

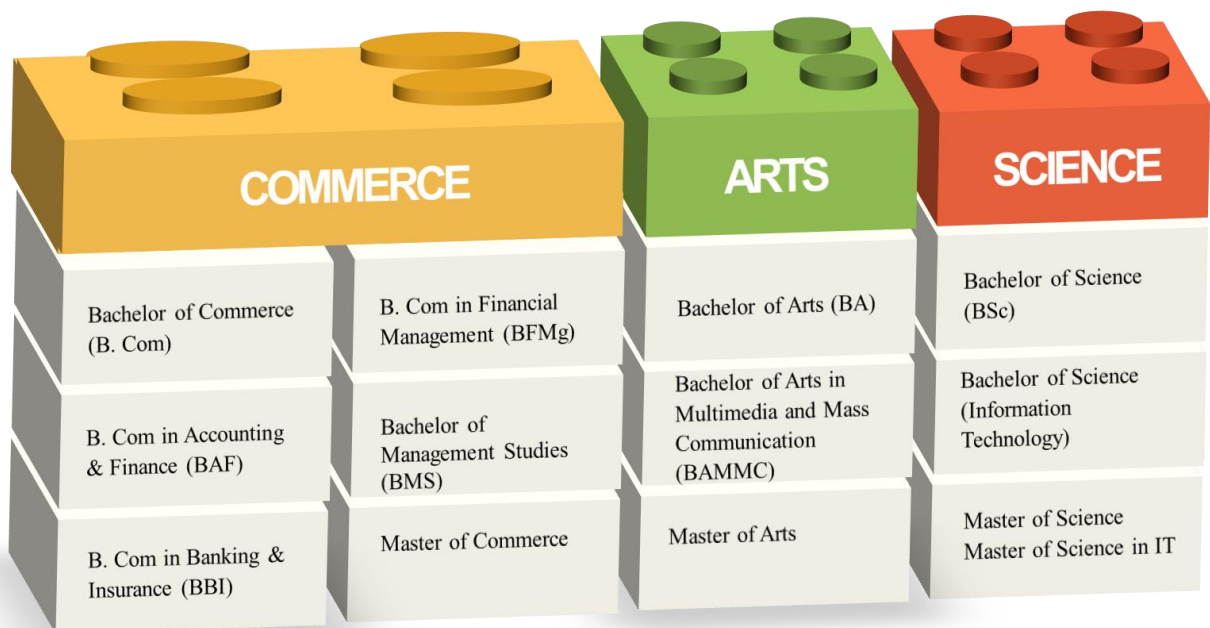
**Guru Nanak Vidyak Society's**

**Guru Nanak College of Arts, Science and Commerce**

**G.T.B Nagar, Mumbai – 400037**



**Programme Outcomes (POs),  
Programme Specific Outcomes (PSOs)  
and Course Outcomes (COs) for UG & PG Programmes**



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**Programme Outcomes:**

**PO1 – Intellectual breadth**

- Ability to comprehend knowledge and understand subject.

**PO2 – Critical thinking, Problem solving & Analytical skills**

- Ability to make reasoned judgements that are logical & well thought out.
- Ability to identify problems, brainstorm & analyse answers & implement the best solutions.

**PO3 – Decision making**

- Ability to make rational decisions.

**PO4 – Skill Development**

- Acquire skills to transform into a competent human resource.

**PO5 – Research Aptitude**

- Ability to search for, locate, extract, organise, evaluate & present information that is relevant to a particular topic.

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**Programmes under the Faculty of Commerce**

- Bachelor of Commerce
- B.Com in Accounting & Finance
- B.Com in Banking & Insurance
- B.Com in Financial Management
- Bachelor of Management Studies
- Master of Commerce in Accounting & Finance

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**B. Com**

**Programme Specific Outcomes (PSOs)**

**PSO1:** Understanding different concepts in managing businesses and their environment by adopting legal provisions, sustainability, ethical concerns, national and international aspects.

**PSO2:** Implementing traditional and modern aspects of commerce, HR, marketing, management, banking, law and working of economy.

**PSO3:** Practicing different techniques of communication, statistics and ICT and applying them in academics, businesses and professions.

**PSO4:** Understanding and practicing different accounting and auditing techniques and taxation systems, and implementing them in different business environments.

**PSO5:** Acquainting with the concepts of business economics and commerce, and to accomplish greater understanding of monetary and fiscal policies, financial analysis, government schemes and international trade and commerce.

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### Course Outcomes:

Department	Semester	Course Name
Commerce	I	Commerce I (Introduction to Business)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concept of Business, Business Environment, Business Planning, Project Planning and Entrepreneurship.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to build business objectives, examine the relationship between Business and Environment, plan for business unit promotion and build the qualities required for an entrepreneur.	Problem solving and Decision making	L3	PO4 PSO1 PSO2 PSO5
CO3	Ability to analyse economic and social objectives, impact of educational environment, factors determining location and categorise the problems faced by women entrepreneurs.	Analytical	L4	PO2, PSO2 PSO5
CO4	Ability to evaluate strategy alternatives in business, current trends in the trading environment, important legal provisions and different promotion schemes to women entrepreneurs.	Decision making	L5	PO4, PSO1 PSO2 PSO3 PSO5
CO5	Ability to create new business units, develop entrepreneurship to start new ventures including promotion of women entrepreneurs.	Leadership & Management	L6	PO3 PSO5

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### Course Outcomes:

Department	Semester	Course Name
Economics	I	Business Economics: I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain business economics and basic concepts of economics.	Intellectual	L1/L2	PO1 PSO1 PSO5
CO2	Ability to calculate cost structures, revenue, profit and elasticity of demand.	Problem solving	L3	PO2 PSO3
CO3	Ability to develop analytical skills to analyse changes in equilibrium price, different production functions, economies and diseconomies of scale	Skill development	L4	PO4 PSO3 PSO2
CO4	Ability to forecast demand and determine break-even sales.	Decision making	L5	PO3 PSO3 PSO2
CO5	Ability to evaluate equilibrium price of a commodity.	Research aptitude	L6	PO5 PSO5

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### Course Outcomes:

Department	Semester	Course Name
Accountancy	I	Accountancy and Financial Management - I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and classify accounting standards along with the basic accounting assumptions, concepts and convention.	Intellectual	L1/L2	PO1 PSO4
CO2	Ability to solve and calculate value of Inventory, various final accounts entries, Hire Purchase Price, Interest on H.P.	Problem solving	L3	PO2 PSO4
CO3	Ability to analyse and classify various types of expenditures and receipts.	Analytical	L4	PO2 PSO4
CO4	Ability to decide the basis of allocation in Departmental Accounts.	Decision making	L5	PO3 PSO4
CO5	Ability to produce various costs, profits, expenses, incomes in Final Accounts and Departmental Accounts	Critical thinking	L6	PO2 PSO4

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### Course Outcomes:

Department	Semester	Course Name
Environmental Studies	I	Environmental Studies-I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the various concepts of environment and ecosystem and the environmental concerns relating to resource utilisation, population and urbanization	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to examine the problems and concerns pertaining to environmental issues in relation resource use, population explosion, emerging issues of development and urbanisation	Critical thinking	L2	PO2 PSO1
CO3	Ability to examine the solutions for better management of concerns relating to resource use, population explosion, emerging issues of development and urbanisation	Analytical, Problem Solving, Decision Making	L3	PO2 PO3 PSO1
CO4	Ability to relate the spatial distribution of resources, population, development, urbanisation, and cities in the world through thematic maps and map filling	Analytical, Research Aptitude	L4	PO2 PO5
CO5	Ability to evaluate the sustainable alternatives that is to be adopted for mitigating the environmental issues relating to resource use, population explosion, emerging issues of development and urbanisation	Problem solving, Decision making	L5	PO2 PO3 PSO1



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### Course Outcomes:

Department	Semester	Course Name
Foundation Course	I	Foundation Course- I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain the basic concepts of- Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values and aspects of Political Processes	Intellectual	L1/L2	PO1
CO2	Ability to analyse- the diverse Indian society, existing inequalities and disparities in Indian Society, the Indian Constitution, Values and aspects of Political Processes.	Analytical	L4	PO2 PO3 PO4
CO3	Ability to apply the foundational knowledge in- solving personal and social problems related to diversity, inequalities, disparities, the Indian Constitution, Values and aspects of Political Processes.	Problem Solving	L3	PO2 PO3 PO4 PO5
CO4	Ability to evaluate - Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values, aspects of Political Processes and Political situation.	Decision making	L5	PO2 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
English	I	Business Communication

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the theory of communication	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to apply various oral and written skills to effective communication	Problem solving	L3	PO2 PSO3
CO3	Ability to analyse the effective use of communication technology	Analytical	L4	PO3 PSO3
CO4	Ability to evaluate the complexity of communication in a dynamic business environment	Decision making	L5	PO4 PSO3
CO5	Ability to create various documents in English language according to the specific needs of Business Communication such as essays, letters, emails, reports and creative writing etc.	Leadership/ Management/ Communication	L6	PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Mathematics	I	Mathematical and Statistical techniques -I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	<p>Ability to associate the characteristics of different financial assets such as money market instruments, bonds, and stocks, and how to buy and sell these assets in financial markets.</p> <p>Ability to understand and explain the basic concepts of optimization, modelling and linear modelling (LPP).</p> <p>Ability to define the concept of probability and its features.</p>	Intellectual	L1 L2	PO1 PO2 PSO3
CO2	<p>Ability to apply the concept of combinations and permutation to problem solving.</p> <p>Ability to calculate Mean, Median and Mode and compare it</p>	Problem solving	L3	PO2 PSO3
CO3	<p>Ability to analyze measures of central tendencies and measures of dispersion.</p>	Analytical	L4	PO2 PO3 PSO3
CO4	<p>Ability to make decisions using concept on EMV and EOL.</p> <p>Ability to solve real problems using LPP.</p>	Decision making	L5	PO3 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Commerce	II	Commerce II (Services Sector)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and understand the concept of services, retailing, outsourcing and E-Commerce.	Intellectual	L1/L2	PO1 PSO1 PSO2 PSO3
CO2	Ability to examine consumer expectations, store and non-store format, logistics networking and scope of e-commerce.	Critical thinking	L3	PO2 PSO1 PSO2 PSO3 PSO5
CO3	Ability to sketch marketing mix for services, store planning, challenges in logistics and impact of FDI on banking and insurance sectors.	Analytical	L4	PO4 PSO1 PSO2 PSO3 PSO5
CO4	Ability to evaluate strategies for managing capacity and demand of services, careers in retailing, advantages and disadvantages of outsourcing and activities in B2B, B2C, C2C process.	Decision making	L5	PO5 PSO2 PSO3 PSO5
CO5	Ability to create basic business ideas through research, online marketing research to manage challenges in service sector.	Leadership & Management & Digital	L6	PO3 PSO2 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Economics	II	Business Economics: II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain meaning and features of different market structure.	Intellectual	L1/L2	PO1 PSO1 PSO2 PSO5
CO2	Ability to calculate price by different pricing methods , the return on investment and period of recovery using different methods of capital budgeting.	Problem solving	L3	PO2 PSO3 PSO4
CO3	Ability to develop analytical skill to analyse determination of equilibrium price and output in different market structures.	Skill development	L4	PO4 PSO3
CO4	Ability to evaluate investment project by different capital budgeting methods	Decision making	L5	PO3 PSO3 PSO2
CO5	Ability to search, evaluate and present information in relation to feasible and profitable investments using capital budgeting methods.	Research Aptitude	L6	PO5 PSO4 PSO5

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### Course Outcomes:

Department	Semester	Course Name
Accountancy	II	Accountancy and Financial Management - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to find incomplete records in accounting, stock reserves in branches and ability to give classification of branches.	Intellectual	L1/L2	PO1 PSO4
CO2	Ability to calculate claim, losses in case of fire insurance and value stock in consignment.	Problem solving	L3	PO2 PSO4
CO3	Ability to complete the accounting from incomplete records.	Analytical	L4	PO2 PSO4
CO4	Ability to determine various commissions and losses in consignment accounts.	Analytical	L5	PO2 PSO4
CO5	Ability to produce final accounts of Proprietary Trading Concern.	Problem solving	L6	PO2 PSO4

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### Course Outcomes:

Department	Semester	Course Name
Environmental Studies	II	Environmental Studies-II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of waste, agriculture, industries, tourism and environmental movements and management	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to examine the issues relating to waste pollution, agricultural & industrial problems, tourism impacts	Critical thinking	L3	PO2 PSO1
CO3	Ability to examine solutions for better management of concerns relating to waste pollution, agricultural & industrial problems, tourism impacts	Analytical Problem solving, Decision making	L3	PO2 PO3 PSO1
CO4	Ability to relate spatial distribution of environmental aspects relating to waste, agriculture, industries, tourism in Greater Mumbai and Konkan region through Map filling	Analytical, Research Aptitude	L4	PO2 PO5
CO5	Ability to evaluate the sustainable alternatives that is to be adopted for waste management, sustainable agricultural & industrial practices, eco-tourism and environmental management	Problem solving, Decision making	L5	PO2 PO3 PSO1

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### Course Outcomes:

Department	Semester	Course Name
Foundation Course	II	Foundation Course- II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand and explain the concepts of- LPG, Farmers suicide, ICT, Migration, Human Rights, Environment, Ecological Issues, Sustainable development, Stress and Conflict's-its types, causes, effects and mechanisms for resolving and coping, Socialisation, Ethics & Values, Hierarchy of Needs	Intellectual	L1/L2	PO1 PO2
CO2	Ability to analyse- Indian Society and Economy after LPG, Migration, ICT, issues related to Human Rights, Ecological concerns, Sustainable development, Stress, Conflict, Ethics & Values, Hierarchy of Needs , Socialisation	Analytical & Management	L4	PO2 PO3 PO4 PO5
CO3	Ability to apply the knowledge of – LPG, Migration, ICT, UDHR, Human Rights & Indian Constitution, Sustainable development, to resolve Stress and Conflicts, Socialisation, Ethics & Values, Hierarchy of Needs	Problem Solving	L3	PO2 PO3 PO4 PO5
CO4	Ability to evaluate - LPG, Migration, ICT, Human Rights issues, ecological concerns, Sustainable development, Stress and Conflicts, Ethics & Values, Hierarchy of Needs, Socialisation	Decision making	L5	PO2 PO3 PO4 PO5



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**Course Outcomes:**

Department	Semester	Course Name
English	II	Business Communication

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the theory of communication	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to apply various oral and written skills to effective communication	Problem solving	L3	PO2 PSO3
CO3	Ability to analyse the effective use of communication technology	Analytical	L4	PO3 PSO3
CO4	Ability to evaluate the complexity of communication in a dynamic business environment	Decision making	L5	PO4 PSO3
CO5	Ability to create various documents in English language according to the specific needs of Business Communication such as essays, letters, emails, reports and creative writing etc.	Leadership/ Management/ Communication	L6	PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Mathematics	II	Mathematical and Statistical techniques -II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain normal distribution and its properties.	Intellectual	L1 L2	PO1 PSO3
CO2	Ability to calculate simple and compound interest and EMI	Problem solving	L3	PO2 PO3 PSO3
CO3	Ability to interpret with derivatives as rates of change in mathematical models	Analytical	L4	PO2 PO3 PSO3
CO4	Ability to evaluate correlation and regression.	Decision making	L5	PO3 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Commerce	III	Commerce III (Management : Functions and Challenges)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concept of Management, Planning, Organising, Directing and Controlling.	Intellectual	L1/L2	PO1 PSO1 PSO2 PSO3
CO2	Ability to apply Indian management thoughts, steps in planning, principles of effective delegation and essentials of good control system.	Critical thinking	L3	PO2 PSO2 PSO3
CO3	Ability to analyse dimensions of management, impact of technology on decision making, barriers to delegation and barriers to effective communication.	Analytical	L4	PO3 PSO1 PSO2 PSO3
CO4	Ability to evaluate scientific management, techniques of decision making, departmentation and techniques of controlling.	Decision making	L5	PO4 PSO1 PSO2 PSO3
CO5	Ability to create effective management system through application of traditional and modern managerial skills with the use of technology.	Leadership & Management	L6	PO3 PSO1 PSO2 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Commerce	III	Advertising I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain advertising, advertising agency, economic & social aspects of advertising and brand building & special purpose advertising.	Intellectual	L1/L2	PO1 PSO1 PSO2 PSO3
CO2	Ability to examine evolution of advertising, types of advertising agencies, effect of advertising and rural advertising.	Critical thinking and Problem solving	L3	PO2 PSO1 PSO2 PSO3
CO3	Ability to classify advertising, analyse client relationship, influence of advertising and brand equity.	Analytical	L4	PO3 PSO2 PSO3 PSO5
CO4	Ability to evaluate benefits of advertising, freelancing career options, social issues in advertising and execution of advertisements	Decision making	L5	PO4 PSO2 PSO3
CO5	Ability to create brand building through AIDA model, creative pitch and integrated marketing communication	Leadership & Management	L6	PO3 PSO2 PSO3 PSO5

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### Course Outcomes:

Department	Semester	Course Name
Economics	III	Business Economics: III

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define National Income and understands ups and downs in national income as a result of trade cycle	Intellectual	L1/L2	PO1 PSO1 PSO4 PSO5
CO2	Ability to demonstrate the impact of consumption and savings pattern on the multiplier effect and also calculates the investment multiplier.	Problem solving	L3	PO2 PSO3
CO3	Ability to develop analytical skills to analyse consumption and savings pattern of people based on their income with reference to Keynesian consumption function	Skill development	L4	PO4 PSO3 PSO2
CO4	Ability to determine various methods to curb trade cycle volatilities and establish economic stability with growth.	Decision making	L5	PO3 PSO3 PSO2
CO5	Ability to search, evaluate and present information regarding various concepts of national income such as GGDP, real GNI, nominal GNI etc.	Research Aptitude	L6	PO5 PSO5 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Accountancy	III	Accountancy and Financial Management - III

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to state the various accounting aspects with reference to partnership business.	Intellectual	L1/L2	PO1 PSO4
CO2	Ability to prepare Final Accounts of a partnership firm in respect of Admission, Retirement and Death of a Partner.	Problem solving	L3	PO2 PSO4
CO3	Ability to prepare Statement of Piecemeal Distribution of cash in case of dissolution of partnership firm.	Problem solving	L3	PO2 PSO4
CO4	Ability to analyse and account in case of Amalgamation of Partnership firms.	Problem solving & Analytical	L4	PO2 PSO4
CO5	Ability to evaluate and to convert partnership firm into a limited company.	Problem solving & Analytical	L5	PO2 PSO4

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### Course Outcomes:

Department	Semester	Course Name
Accountancy	III	Introduction to Management Accounting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and explain the significance of basic concept, importance & functions of management accounting	Intellectual	L1/L2	PO1 PSO4
CO2	Ability to prepare vertical format of balance sheet and profit & loss account.	Problem solving	L3	PO2 PSO4
CO3	Ability to analyse the financial statement with the help of Trend, Comparative and Common-size statement and Ratios.	Analytical	L4	PO2 PSO4
CO4	Ability to recommend the various decisions on capital budgeting.	Decision making	L5	PO3 PSO2 PSO4
CO5	Ability to formulate and produce the estimated working capital.	Skill Development	L6	PO4 PSO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Business Law	III	Business Law-I

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to define, understand, & explain the basic concepts of laws related to Business.	Intellectual	L1/L2	PO1 POS1 PSO2
CO2	Ability to apply general laws related to commercial purposes.	Problem solving	L3	PO2 POS1 PSO2
CO3	Ability to analyse and classify the difference in types of contracts and Agreements	Analytical	L4	PO3 PSO1 PSO2
CO4	Ability to recommend the rules legal aspects related to the various provisions of Business.	Decision making	L5	PO4 PSO1 PSO2



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### Course Outcomes

Department	Semester	Course Name
Environmental Studies	III	Travel & Tourism Management-I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the various concepts of travel and tourism industry, its evolution, significance, scope, motives, growth and use of social & electronic media	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to examine the various factors influencing tourism and the services and facilities required in travel & tourism industry	Critical Thinking,	L3	PO2 PSO2
CO3	Ability to examine the services and facilities required in travel & tourism industry including infrastructure, safety and ancillary services	Critical Thinking,	L3	PO2 PSO2
CO4	Ability to analyse the impact of travel & tourism on society, culture, economy & environment	Analytical, Research Aptitude	L4	PO2 PO5
CO5	Ability to evaluate the aspect sustainable tourism for better management in travel and tourism	Problem solving, Decision making	L5	PO2 PO3 PSO1

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### Course Outcomes:

Department	Semester	Course Name
Foundation Course	III	Foundation Course- III

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify the issues related to Fundamental Rights, Environmental Concerns, Human Rights, Science, Technology, Sustainable development, soft skills and Interpersonal communication	Intellectual	L1/L2	PO1
CO2	Ability to apply in practical issues –related to Fundamental Rights, Environmental Concerns. Human Rights, Science, Technology, Sustainable development, soft skills and Interpersonal communication	Team Work/ Problem Solving	L3	PO2 PO3 PO4 PO5
CO3	Ability to analyse various situations in - Fundamental Rights, Environmental Concerns. Human Rights, Science, Technology, Sustainable development, soft skills and Interpersonal communication	Analytical	L4	PO2 PO3 PO4 PO5
CO4	Ability to evaluate and decide in circumstantial problems related to- Fundamental Rights, Environmental Concerns. Human Rights, Science, Technology, Sustainable development, soft skills and Interpersonal communication	Decision making	L5	PO2 PO3 PO4 PO5

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### Course Outcomes:

Department	Semester	Course Name
Commerce IV	IV	Commerce IV (Management : Production and Finance)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concept of production & inventory management, quality management, Indian financial system, Mutual funds, commodity market, Derivative market & micro-finance.	Intellectual	L1/L2	PO1 PSO1 PSO2 PSO3 PSO4
CO2	Ability to plan production, improve quality, examine primary and secondary market and sources of funding.	Critical thinking	L3	PO2 PSO1 PSO2 PSO3 PSO5
CO3	Ability to analyse Production systems, quality management tools, dematerialisation process and derivative instruments.	Analytical	L4	PO2 PSO2 PSO3
CO4	Ability to evaluate inventory control system, SERQUAL model, credit rating and types of mutual funds.	Decision making	L5	PO4 PSO2 PSO3 PSO4 PSO5
CO5	Ability to create quality circles and self-help group.	Leadership & Management	L6	PO3 PSO2 PSO3 PSO5

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**Course Outcomes:**

Department	Semester	Course Name
Commerce	IV	Advertising II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain media in advertising, advertising campaigns, creativity in advertising and execution of advertising.	Intellectual	L1/L2	PO1 PSO1 PSO2
CO2	Ability to examine broadcasting, media objectives, buying motives and essentials of copywriting.	Critical thinking	L3	PO2 PSO1 PSO2 PSO3
CO3	Ability to analyse internet advertising, factors selecting media, creative process and jingles & Music.	Analytical and Digital	L4	PO3 PSO2 PSO3
CO4	Ability to evaluate tool for regulation, media scheduling strategies, endorsers and pre-post testing of advertisements.	Decision making	L5	PO4 PSO3 PSO5
CO5	Ability to create advertising budgets, advertising appeals for USP, Ad copies & illustrations	Leadership & Management	L6	PO3 PSO2 PSO3 PSO5

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**Course Outcomes:**

Department	Semester	Course Name
Economics	IV	Business Economics: IV

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain meaning and scope of public finance, Principles of Public Finance. .	Intellectual	L1/L2	PO1 PSO1 PSO2 PSO5
CO2	Ability to apply fiscal policy with respect to budget and taxation.	Problem solving	L3	PO2 PSO3 PSO2
CO3	Ability to develop analytical skills to classify taxes and non-tax revenue, government expenditure and fiscal deficit.	Skill development	L4	PO4 PSO3 PSO2
CO4	Ability to evaluate government schemes and union budget.	Decision making	L5	PO3 PSO2 PSO3 PSO5
CO5	Ability to present information given in the budget document in an understandable manner	Research Aptitude	L6	PO5 PSO2 POS5

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**Course Outcomes:**

Department	Semester	Course Name
Accountancy	IV	Accountancy and Financial Management - IV

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe the various terms and concepts related to a limited company.	Intellectual	L1/L2	PO1 PSO4
CO2	Ability to prepare and account for redemption of preference shares and debentures.	Problem solving	L3	PO2 PSO4
CO3	Ability to analyse the procedure for redemption of preference shares and debenture.	Analytical	L4	PO2 PSO4
CO4	Ability to determine and estimate profit prior to Incorporation of a company	Problem solving	L5	PO2 PSO4
CO5	Ability to develop understanding of Company Accounts.	Intellectual	L6	PO1 PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Accountancy	IV	Financial Accounting and Auditing - VI

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe terms, concepts, purpose, objectives and importance of Auditing.	Intellectual	L1/L2	PO1 PSO4
CO2	Ability to prepare and build various audit documentations like audit plan, audit working papers, audit programme, audit note book and audit report.	Critical thinking	L3	PO2 PSO4
CO3	Ability to analyse Internal control and Internal check.	Analytical	L4	PO2 PSO4
CO4	Ability to recommend suggestions based on Internal and External Audit.	Decision making	L5	PO3 PSO4
CO5	Ability to develop and design various vouching and verification techniques.	Skill Development	L6	PO4 PSO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Business Law	IV	Business Law-II

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to recognise the difference between the various business laws	Intellectual	L1/L2	PO1 PSO1 PSO2
CO2	Ability to classify, distinguish, compare the commercial laws	Problem solving	L3	PO2 PSO1 PSO2
CO3	Ability to advise the different kinds of Acts like IPR, Consumer Protection Act, Competition Act, LLP, Partnership Act, & Companies Act,	Analytical	L4	PO3 PSO1 PSO2
CO4	Ability to decide as to which law are applicable in the case studies of business law.	Decision making	L5	PO4 PSO1 PSO2



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### Course Outcomes:

Department	Semester	Course Name
Environmental Studies	IV	Travel & Tourism Management-II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of planning, marketing, organization, agencies and policies in tourism	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to examine role of planning, marketing, travel agencies, tourism documentation, tourism organizations, tourism policies in tourism	Critical thinking, Leadership Qualities	L3	PO2 PSO2
CO3	Ability to examine the social responsibility and ethics in tourism	Critical Thinking,	L3	PO2 PSO1
CO4	Ability to relate the working of travel agencies, tour operators and tourism organisations in tourism business	Analytical	L4	PO3 PO4 PSO2
CO5	Ability to evaluate policies for tourism development	Decision making	L5	PO3

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### Course Outcomes:

Department	Semester	Course Name
Foundation Course	IV	Foundation Course- IV

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to recognise and describe the Fundamental Civic Rights, Approaches to Ecological Understanding, International Environmental Protocols, Science, Modern Technology, ICT, Competitive exams and Soft Skills	Intellectual	L1	PO1
CO2	Ability to distinguish and summarise issues related to - Fundamental Civic Rights, Approaches to Ecological Understanding, International Environmental Protocols, Science, Modern Technology, ICT, Competitive exams and Soft Skills	Critical thinking	L2	PO2 PO3 PO4 PO5
CO3	Ability to simplify the complex issues in Fundamental Civic Rights, Approaches to Ecological Understanding, International Environmental Protocols, Science, Modern Technology, ICT, Competitive exams and Soft Skills	Problem Solving	L3/L4	PO2 PO3 PO4 PO5
CO4	Ability to recommend the suggestions in the field of- Fundamental Civic Rights, Approaches to Ecological Understanding, International Environmental Protocols, Science, Modern Technology, ICT, Competitive exams and Soft Skills	Decision making	L5	PO2 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
Commerce	V	Commerce V (Marketing)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain marketing, marketing decisions and key marketing dimensions.	Intellectual	L1/L2	PO1 PSO1 PSO2 PSO3
CO2	Ability to apply marketing research, pricing strategies, supply chain management and digital marketing.	Critical thinking & Digital	L3	PO5 PSO2 PSO3 PSO5
CO3	Ability to analyse consumer behaviour, branding, sales management and challenges faced by marketing managers.	Analytical	L4	PO2 PSO2 PSO3
CO4	Ability to evaluate customer relationship management, brand equity, marketing channels and careers in marketing.	Decision making	L5	PO4 PSO2 PSO3 PSO5
CO5	Ability to create integrated marketing communication, effective selling and success in marketing areas.	Leadership & Management	L6	PO3 PSO2 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Commerce	V	Export Marketing - I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain basics of export marketing, framework for export marketing, Indian foreign trade policy and export incentives & assistance.	Intellectual	L1/L2	PO1 PSO1 PSO2 PSO5
CO2	Ability to examine domestic marketing, trade barriers, export trade facilitations and institutional assistance to Indian exporters.	Critical thinking and Problem solving	L3	PO2 PSO3 PSO5
CO3	Ability to analyse the exports of India, impact of regional economic groupings, role of DGFT and EPCG scheme.	Analytical	L4	PO3 PSO2 PSO5
CO4	Ability to evaluate region wise India's export trade, Market selection process, benefits enjoyed by SEZ and Export Advance authorisation scheme.	Decision making	L5	PO4 PSO2 PSO3 PSO5
CO5	Ability to create an export business through the learning of 4P's management, documentation & other procedures.	Leadership & Management	L6	PO3 PSO2 PSO5

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### Course Outcomes:

Department	Semester	Course Name
Economics	V	Business Economics: V

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain features of Indian economy, The New Economic Policy and the different policy measures for Sustainable Development, sectors of Indian economy	Intellectual	L1/L2	PO1 PSO1 PSO2
CO2	Ability to examine the role of various sectors and advice solutions to solve the problems associated with the sectors of Indian economy.	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse recent trends and growth in the Primary, Secondary and Tertiary sector of Indian economy.	Analytical	L4	PO3 PSO2 PSO5
CO4	Ability to evaluate government reforms in agriculture, industry and financial markets.	Decision making	L5	PO4 PSO3 PSO2 PSO5
CO5	Ability to extract and present information about various sectors of the Indian economy , statistics of Indian economy.	Research aptitude	L6	PO5 PSO2 PSO5

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**Course Outcomes:**

Department	Semester	Course Name
Accountancy	V	Financial Accounting & Auditing- VII (Financial Accounting)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to classify and prepare the Final Accounts of Companies	Intellectual	L2/L3	PO1 PSO4
CO2	Ability to identify the need for reconstruction of company and reconstruct the capital structure of the company	Problem Solving	L1/L6	PO2 PSO4
CO3	Ability to articulate the legal provisions with regards to buy back of shares	Analytical	L4	PO2 PSO1 PSO4
CO4	Ability to evaluate the various investment options in shares and debentures and determine the periodicity of holding an investment	Critical Thinking	L5	PO2 PSO4
CO5	Ability to describe the ethical behaviour to be followed and examine the impact of unethical behaviour done by Accountants	Decision making	L1/L3	PO3 PSO1

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### Course Outcomes:

Department	Semester	Course Name
Accountancy	V	Financial Accounting & Auditing- VIII (Cost Accounting)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe the various cost accounting concepts and system	Intellectual	L1	PO1 PSO4
CO2	Ability to solve problems based on EOQ and evaluate FIFO & Weighted Average methods in issue of materials	Decision making	L3/L2	PO3 PSO4
CO3	Ability to determine labour turnover and identify various remuneration systems such as Piece Rate, Time Rate and Various Incentives Plan	Problem Solving	L5/L1	PO2 PSO4
CO4	Ability to demonstrate the allocation and apportionment of overheads among production and service departments	Analytical	L3	PO2 PSO4
CO5	Ability to prepare cost sheet by adopting the standard cost sheet format	Intellectual	L3	PO1 PSO4
CO6	Ability to analyse the financial and costing profit/ (loss) differences and reconcile them	Critical Thinking	L4	PO2 PSO4

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### Course Outcomes:

Department	Semester	Course Name
Accountancy	V	Direct & Indirect Taxation Paper- I (Direct Taxation)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe the technical terms related to direct taxation	Intellectual	L1	PO1 PSO4
CO2	Ability to determine the residential status of an assessee and calculate the taxable income of assessee with different residential status.	Analytical	L5/L3	PO2 PSO4
CO3	Ability to classify the various incomes under various heads namely income from salaries, house property, business/ profession, capital gains and income from other sources and thereby compute Gross Total Income.	Critical Thinking	L4	PO2 PSO4
CO4	Ability to interpret the various benefits/ deductions under Chapter VI-A of the Income tax act, 1961 which are to be reduced from the Gross Total Income of the assessee.	Analytical	L2	PO2 PSO4
CO5	Ability to compute the Net Taxable Total Income of an individual assessee considering the income from all heads of income and the deductions under Chapter VI- A of the Income tax Act, 1961	Critical Thinking	L3	PO2 PSO4



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**Course Outcomes:**

Department	Semester	Course Name
Mathematics	V	Computer Systems and Applications I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain data communication components, data representation, distributed processing, basics of networks and infrastructure, internet, database and SQL, Spread Sheets.	Intellectual	L1 L2	PO1 PSO3
CO2	Ability to apply techniques learnt to solve real life problems.	Problem solving	L3	PO2 PO3 PSO2 PSO3
CO3	Ability to analyze data entered in spreadsheets and SQL.	Analytical	L4	PO2 PO3 PSO3
CO4	Ability to evaluate basic mathematical and statistical output	Decision making	L5	PO3 PO5 PSO3
CO5	Ability to create templates for various basic functions in excels, database	Creation	L6	PO4 PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Commerce	VI	Commerce VI (Human Resource Management)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Human resource management, human resource development, human relations and trends in HRM.	Intellectual	L1/L2	PO1 PSO1 PSO2 PSO3
CO2	Ability to examine steps in human resource planning, methods of training and development, theories of motivation and HRIS.	Critical thinking	L3	PO2 PSO2 PSO3
CO3	Ability to analyse job, performance appraisal, Employee morale and challenges in HR management.	Analytical	L4	PO2 PSO2 PSO3 PSO5
CO4	Ability to evaluate techniques and process of selection, training effectiveness, employee grievance and employee absenteeism.	Decision making	L5	PO4 PSO2 PSO3
CO5	Ability to create job design, mentoring & counselling systems, learning and innovative organizations.	Leadership & Management	L6	PO3 PSO2 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Commerce	VI	Export Marketing II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain product planning, pricing decisions for export marketing, export distribution & promotion, export finance, export procedure & documentation.	Intellectual	L1/L2	PO1 PSO1 PSO5
CO2	Ability to examine branding, exporting channels, payment in export marketing and registration with different authorities.	Critical thinking	L3	PO2 PSO1 PSO2 PSO4
CO3	Ability to analyse export pricing, selection of mode of transport, benefits of counter trade and custom stage formalities.	Analytical	L4	PO3 PSO2 PSO3 PSO5
CO4	Ability to evaluate FOB quotation, sales promotion techniques, procedure to obtain export finance and post shipment procedure.	Decision making	L5	PO4 PSO2 PSO3 PSO5
CO5	Ability to create a framework of export marketing through relevant marketing researches for market selection and export incentives and assistance/schemes.	Leadership & Management	L6	PO3 PSO2 PSO5

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**Course Outcomes:**

Department	Semester	Course Name
Economics	VI	Business Economics: VI

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain meaning of international trade and foreign exchange market. WTO and trade agreement, BOP, trade policy	Intellectual	L1/L2	PO1 PSO1 PSO2
CO2	Ability to examine Balance of Payment, Terms of Trade and Trade agreements.	Problem solving	L3	PO2 PSO2 PSO3 PSO4 PSO5
CO3	Ability to analyse different theories of international trade given by various economists and theories and determination of foreign exchange rate.	Analytical	L4	PO3 PSO5
CO4	Ability to evaluate foreign trade policies and FOREX policies.	Decision making	L5	PO4 PSO2 PSO5
CO5	Ability to extract and present information about India's international trade, foreign exchange regime in India	Research aptitude	L6	PO5 PSO2 PSO5 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
Accountancy	VI	Financial Accounting & Auditing- IX (Financial Accounting)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to distinguish between amalgamation, absorption and external reconstruction and calculation of purchase consideration.	Analytical	L2/L3	PO2 PSO4
CO2	Ability to define the various terms relating to foreign exchange transactions and to evaluate the impact of foreign currency transactions on Balance Sheet.	Intellectual/ Analytical	L1/L5	PO1 PO2 PSO4
CO3	Ability to apply the provisions of Insolvency and Bankruptcy code, 2016 and Companies Act, 2013 with regards to Liquidation of Companies and to distinguish between insolvency, dissolution and winding up.	Analytical	L3	PO2 PSO1 PSO4
CO4	Ability to analyse the underwriter's liability and commission to be paid to underwriters.	Problem Solving	L4	PO2 PSO4
CO5	Ability to produce the converted LLP Final Accounts by changing the form of Sole proprietor and firm.	Critical Thinking	L6	PO2 PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Accountancy	VI	Financial Accounting & Auditing- X (Cost Accounting)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe and prepare Cost control accounts.	Analytical	L1/L3	PO2 PSO4
CO2	Ability to explain various Contract costing and Process costing terms and solve practical problems.	Intellectual/ Analytical	L2/L3	PO1 PO2 PSO4
CO3	Ability to evaluate the profit volume ratio, break-even point, margin of safety using marginal costing technique.	Decision making	L5	PO3 PSO4
CO4	Ability to analyse the variances by comparing standard cost with actual cost.	Decision making	L4	PO3 PSO4
CO5	Ability to discuss the various emerging concepts of cost accounting such as ABC costing, Benchmarking etc.	Intellectual	L1	PO1 PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Accountancy	VI	Direct & Indirect Taxation Paper- II (Indirect Taxation)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe the technical terms related to Goods and Service Tax (GST).	Intellectual	L1	PO1 PSO4
CO2	Ability to distinguish between reverse charge and forward charge mechanism and advice whether the assessee is eligible for composition scheme.	Decision making	L2/L3	PO3 PSO4
CO3	Ability to determine the place, time and value of supply of Goods and services.	Critical Thinking	L5	PO2 PSO4
CO4	Ability to calculate the amount of CGST, SGST and IGST payable after considering the eligible input tax credit.	Analytical	L3	PO2 PSO4
CO5	Ability to analyse whether a person is required to obtain registration under GST law.	Analytical	L4	PO2 PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Mathematics	VI	Computer Systems and Applications II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain e-commerce, types and features	Intellectual	L1 L2	PO1 PSO3
CO2	Ability to apply logical, mathematical and statistical formulae in excel,	Problem solving	L3	PO2 PO3 PSO2 PSO3
CO3	Ability to analyze data using sort and filter	Analytical	L4	PO2 PO3 PSO3
CO4	Ability to evaluate mathematical values using conditional logical functions	Decision making	L5	PO3 PSO3
CO5	Ability to create graphs and charts for a given data, applets in visual basics 6.0.	Creation	L6	PO4 PSO4



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## **B.Com in Accounting & Finance**

### **Programme Specific Outcomes**

- PSO1** – Learners will be able to understand, apply and evaluate the fundamentals of accounting, finance, costing, taxation, financial management, auditing etc.
- PSO2** – Learners will be able to develop Business Communication and IT skills and pursue research in the field of Accounting and Finance.
- PSO3** – Learners will be able to develop an integrated perspective of global accounting system along with exposure to Indian Accounting Standards in detail.
- PSO4** – Ethical values, awareness about gender issues and environment sustainability will be inculcated among learners.

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Accounting & Finance	I	Financial Accounting- I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to apply basic concepts of accounting, capital and revenue expenditure, departmental accounts, inventory valuation, hire purchase, manufacturing account, AS-1, AS-2 and AS-9	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to solves problems based on Departmental account UNDA's, hire purchase and manufacturing A/c, capital and revenue expenditure	Problem solving	L3	PO2 PSO1 PSO3
CO3	Ability to apply Accounting Standards (AS-1, AS-2 and AS-9)	Application	L3	PO2 PSO3
CO4	Ability to Analyse trial balance and prepare Departmental accounts, hire purchase and manufacturing A/c, capital and revenue expenditure	Analytical	L4	PO2 PSO1
CO5	Ability to determine recognition of revenue as per AS-9, Valuation of inventory as per AS-2 and value of closing stock as per weighted average cost of capital	Decision making	L5	PO3 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	I	Cost Accounting-I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain cost, costing, cost accounting, material cost, labour FO cost and overheads	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to prepare stores ledger and calculate stock levels, EOQ and labour cost	Application & Problem solving	L3	PO2 PSO1
CO3	Ability to classify cost and overheads on different bases, Apportionment and Absorption of overheads	Analytical	L4	PO2 PSO1
CO4	Ability to determine Overtime / Idle Time / Incentive Schemes	Evaluation	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	I	Financial Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define basic concepts of Financial Management	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to calculate leverages, cost of capital and type of financing	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse selection of project using Net Present Value and Impact of leverages on revenue and EBIT	Analytical	L4	PO2 PSO1
CO4	Ability to determine leverage, time value of money and optimum debt equity mix using weighted average cost of capital	Decision making	L5	PO3 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	I	BUSINESS COMMUNICATION-I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to learn and discuss about concept of communication, problems in communication & business correspondence.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to examine various oral and written communication skills needed for effective communication.	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse about the difficulties of communication in dynamic business environment.	Analytical	L4	PO2 PSO2
CO4	Ability to demonstrate the effective use of communication technology.	Decision making	L5	PO3 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	I	Business Economics – I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Demand, Supply, Market structure, economics theories	Intellectual	L1/L2	PO1
CO2	Ability to apply the demand, supply, total cost, fixed cost, variable cost and marginal cost	Critical Thinking	L3	PO2
CO3	Ability to analyse the relationship demand and supply, cost and production function	Analytical	L4	PO2
CO4	Ability to evaluate the pricing models, demand forecasting and estimation	Decision making	L5	PO3

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Accounting & Finance	I	Business Environment

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Business Objectives, Dynamics of Business, Ethics, Ethical Dilemmas, Corporate Culture and Ethical Climate, MNCs and TNCs, WTO.	Intellectual	L1/L2	PO1 PSO4
CO2	Case studies relating to Balance of Trade, FDI Investment Flows and its Implication for Indian Industries.	Problem solving	L3	PO2 PSO4
CO3	Ability to analyse Environmental Analysis: PESTEL Analysis, SWOT Analysis, Balance of Trade, FDI Investment Flows and its Implication for Indian Industries	Analytical	L4	PO2 PSO4
CO4	Ability to evaluate Benefits of Social Audit, Audit & Entrepreneurship and Economic Development, Micro, Small and Medium Enterprises Development (MSMED) Act, 2006, Entrepreneurship as a Career Option.	Decision making	L5	PO3 PSO4

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Accounting & Finance	I	Foundation Course – I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the basic concepts of- Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values, aspects of Political Processes.	Intellectual	L1/L2	PO1
CO2	Ability to analyse the diverse Indian society, existing inequalities and disparities in Indian Society, the Indian Constitution, Values, aspects of Political Processes.	Analytical	L4	PO2 PO3 PO4
CO3	Ability to apply the foundational knowledge in- solving personal and social problems related to diversity, inequalities, disparities, the Indian Constitution, Values & aspects of Political Processes.	Problem Solving	L3	PO2 PO3 PO4 PO5
CO4	Ability to evaluate - Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values, aspects of Political Processes, Political situation.	Decision making	L5	PO2 PO3 PO4 PO5



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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	II	Financial Accounting-II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Accounting for Consignment Transactions, Meaning of Branch account	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to prepare Final Accounts of Proprietary Trading Concern	Problem solving	L3	PO2 PSO1
CO3	Ability to classify branch accounts	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate Loss of Stock by Fire	Skill Development	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	II	Auditing

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Audit, objectives, limitation & Qualities of an auditor.	Intellectual	L1/L2	PO1 PSO1 PSO4
CO2	Ability to apply Different audit techniques such as Test check, Audit sampling & Internal control.	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse different types of audit, errors & frauds, basic principles of audit, advantages & disadvantages of different types of audit, and concepts like going concern & secret reserve etc.	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate different types of expenses/incomes & verify assets/liabilities.	Decision making	L5	PO3 PSO1
CO5	Ability to create/plan/schedule audit program and, maintain working papers & audit note book.	Skill Development	L6	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	II	Business Mathematics

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and explain basic concepts of ratio and percentage, shares and mutual funds and interest	Intellectual	L1/L2	PO1
CO2	Ability to compute leverages ratio and proportion, profit and loss, interest and annuity and simple problems on shares and mutual funds	Problem solving	L3	PO2
CO3	Ability to analyse profit or loss on sale, interest, mutual funds and shares, ratio and proportion	Analytical	L4	PO2
CO4	Ability to determine simple and compound interest, ratio and proportion, profit or loss on sale of goods, shares and mutual funds and brokerage on the same	Decision making	L5	PO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	II	BUSINESS COMMUNICATION-II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to explain about presentation skills, group communication, business correspondence & language and writing skills.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to examine principles of effective presentation, need and importance of meetings, trade letters.	Problem solving	L3	PO2 PSO2
CO3	Ability to apply various skills used in writing business correspondence and reports	Skill Development	L4	PO3 PSO2
CO4	Ability to develop PPT and conduct in meeting & conference.	Skill Development	L5	PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	II	Business Law

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain: Law of Contract 1872 Sale of Goods Act 1930 Negotiable Instrument Act 1881 Consumer Protection Act 1986	Intellectual	L1/L2	PO1
CO2	Case Studies	Problem solving	L3	PO2
CO3	Ability to analyse the special contracts and Analytical Negotiable Instruments Act.	Skill Development	L4	PO4
CO4	Ability to conclude and recommend about how decision making law can be used in current business environment.	Decision making	L5	PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	II	IFS

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Financial services, factoring & forfaiting, Bill Discounting, venture capital, Housing finance, stock broking, leasing, hire purchase & credit rating.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to solve Problems of Hire Purchase, Case for and against Consumer finance.	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse Growth of Financial Services in India, Problems in Financial Services Sector, Bill Market Schemes, Factoring V/s Bill Discounting in Receivable Management, New Guidelines on Securitization, Growth Factors, Housing Finance Institutions in India, National Housing Bank (NHB)	Skill Development	L4	PO4 PSO1
CO4	Ability to evaluate Types of Plastic Cards- Performance of Credit Cards and Debit Cards, Benefits of Credit Cards, Dangers of Debit Cards, Prevention of Frauds And Misuse, Consumer Protection.	Skill Development	L5	PO4 PSO1

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Accounting & Finance	II	Foundation Course- II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand, explain the concept of- LPG, Farmers suicide, ICT, Migration, Human Rights, Environment, Ecological Issues, Sustainable development, Stress & Conflict's-its types, causes, effects & resolving & coping mechanisms, Socialisation, Ethics & Values, Hierarchy of Needs	Intellectual	L1/L2	PO1 PO2
CO2	Ability to analyse- Indian Society & Economy after Globalisation, Migration, ICT, issues related to Human Rights, Ecological concerns, Sustainable development, Stress, Conflict, Ethics & Values, Hierarchy of Needs, Socialisation	Analytical & Management	L4	PO2 PO3 PO4 PO5
CO3	Ability to apply the knowledge- of changing situations after Globalisation, Migration, ICT, UDHR, Human Rights & Indian Constitution, Sustainable development, to resolve Stress and Conflicts, Socialisation, Ethics & Values, Hierarchy of Needs	Problem Solving	L3	PO2 PO3 PO4 PO5
CO4	Ability to evaluate - the changing trends in Indian Economy after Globalisation, Migration, ICT, Human Rights issues, ecological concerns, Sustainable development, Stress and Conflicts, Ethics & Values, Hierarchy of Needs, Socialisation	Decision Making	L5	PO2 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	III	Financial Accounting – III

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of partnership final accounts, piecemeal distribution of cash, amalgamation of firms	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to prepare the statement of piecemeal distribution of cash, Balance sheet of new firm after amalgamation & Conversion of firm into a Ltd. company, computation & treatment of exchange rate differences of transactions in foreign currency.	Critical Thinking	L3	PO2 PSO1
CO3	Ability to complete the accounting procedure for amalgamation of partnership firms & conversion of firm into a Ltd. company.	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate the effect on final accounts when a partner is admitted during the year or retires/ dies during the year	Decision making	L5	PO3 PSO1



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### Course Outcomes:

Department	Semester	Course Name
B.Com in Accounting & Finance	III	Cost Accounting- II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Classification of costs, Contract accounts, Process accounts	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to prepare contract account, Process account and cost sheet	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse the differences on profit of financial and cost accounts and reconcile the same	Analytical	L4	PO2 PSO1
CO4	Ability to estimate the cost sheet	Skill Development	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	III	Direct Tax

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe and understand fundamental provisions a of Income Tax Act	Cognitive	L1/L2	PO1 PSO1
CO2	Ability to solve sums based on all the heads of income and applying deduction,	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse the Residential status and Scope of Income and taxable income from all 5 heads	Analytical	L4	PO2 PSO1
CO4	Ability to determine Gross Total Income & Net taxable Income, Residential Status, Income under 5 heads of income and Scope of Income	Skill Development	L5	PO4 PSO1

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### Course Outcomes:

Department	Semester	Course Name
B.Com Accounting & Finance	III	Macroeconomics

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, Recognise, Explain, Distinguish Various concepts of Macroeconomics, and Post Keynesian economics, Public Finance, External Sector.	Intellectual	L1/L2	PO1 PO2
CO2	Ability to demonstrate, Construct, categorise about working of external sector and Balance of Payment	Analytical	L3	PO2
CO3	Ability to analyse, develop analytical skills about inflation and its effect on economy, Burden of public debt on economy, Various concept of Money supply.	Critical /Analytical	L4	PO2
CO4	Ability to evaluate, recommend economic policy, and measures to control inflation, fiscal appropriate fiscal and monetary policy.	Decision making	L5	PO3

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Accounting & Finance	III	Business Law

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain: Indian Partnership Act, 1932 Limited Liability Partnership Act, 2008 Factories Act, 1948.	Intellectual	L1/L2	PO1
CO3	Ability to analyse Registration and effects of non-registration of Partnership, Rights and Duties of Partners, Authority and Liability of partners, Admission, Retirement and Expulsion of Partner and Dissolution of Partnership.	Analytical	L4	PO2
CO4	Ability to evaluate provisions pertaining to i. Health- Section 11 to Section 20 ii. Safety- Section 21 to Section 41 iii. Welfare- Section 42 to Section 49	Intellectual	L5	PO1
CO5	Ability to create Winding Up and Dissolution and conversion of LLP.	Skill Development	L6	PO4

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Accounting & Finance	III	Information Technology in Accounting & Finance- I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand and explain different parts of computer.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to apply appropriate formulas, different formatting styles.	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse data using different charts and slides	Analytical	L4	PO2 PSO2
CO4	Ability to create Project Report, New email ID	Skill Development	L6	PO4 PSO2

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Accounting & Finance	III	Commerce (Financial Market Operations) - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Saving and Investment Money, Inflation and Interest, Banking and Non-Banking Financial Intermediaries, Financial Market and Capital Market, Financial Instruments, Consumer Finance, Credit Cards, Mutual Funds and Commercial Paper and Financial Instruments.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to apply REPO, TBs, Equities, Bonds and Derivatives in various markets.	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse Structure of Financial Market in India, Role, Importance, Evolution in India, Primary Market System and Regulations in India, Secondary Market System, Managing of Public Equity / Debenture Issues Mobilizing Fixed Deposits, Arranging Inter-corporate Loans.	Analytical	L4	PO2 PSO1
CO4	Ability to invest in Bond Market in India Debt Market in India and REPO, TBs, Equities, Bonds, Derivatives in different markets.	Decision making	L5	PO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	IV	Financial Accounting – IV

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the provisions of companies for redemption of preference shares, debentures & final accounts of companies, AS 11	Intellectual	L1/L2	PO1 PSO1 PSO3
CO2	Ability to calculate the minimum fresh issue to provide the fund for redemption, ascertain profit prior to incorporation.	Problem solving	L3	PO2 PSO1
CO3	Ability to relate & comply the methods of redemption of debentures; by payment in lumpsum & by payment in instalments, methods of redemption of preference shares.	Analytical	L4	PO2 PSO1
CO4	Ability to decide on the minimum DRR & investment to be created as per the provisions of companies act, basis for allocation of expenses/incomes in the preparation of profit & loss account, exchange rate for IFO & NIFO	Decision making	L5	PO3 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	IV	Management Accounting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand the Meaning, Features, Scope, Importance, Functions & role of Management Accounting, meaning of financial Statement Analysis, concept of Working Capital Management	Conceptual	L1/L2	PO1 PSO1
CO2	Ability to prepare Cash Flow Statement and advise management based on the comparative statement.	Problem solving	L3	PO2 PSO4
CO3	Ability to analyse Vertical Forms of Balance Sheet and Profit and Loss Account suitable for analysis of Trend Analysis, Common Size Statement and also Ratio analysis	Analytical	L4	PO2 PSO1
CO4	Ability to forecast Working Capital Requirement in case of Trading and Manufacturing Organization	Skill Development	L5	PO4 PSO1



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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	IV	Direct Tax

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe and understand provisions of clubbing of income, setoff and carry forward, TDS and Advance tax, interest u/s 234A, 234B and 234C, DTAA, tax planning and ethics in taxation	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to calculate net taxable and tax liability, relief under DTAA, TDS, Advance tax, set off & carry forward of losses and income of a partnership firm	Computation	L3	PO2 PSO1
CO3	Ability to analyse tax liability of individual and HUF, TDS, Advance tax, losses that can be carry forwarded and interest, book profit and allowable remuneration to partners	Analytical	L4	PO2 PSO1
CO4	Ability to determine interest liability u/s 234A, 234 and 234 C, relief under DTAA, and net tax liability of individual and HUF	Skill Development	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	IV	Introduction to Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Management, Planning, Organising, Motivation, Staffing and Directing & Controlling.	Intellectual	L1/L2	PO1
CO2	Ability to apply Selection procedure of staffing, Essentials of a good control system, Centralisation and decentralisation, process of decision making, Process of organisation.	Problem solving	L3	PO2
CO3	Ability to evaluate Distinction between Recruitment and Selection, Employment tests and types of Interviews, Administration vs Management, Recruitment and its sources, Selection procedure.	Decision Making	L5	PO3
CO4	Ability to analyse Principles of organisation, Sound Planning, Principles of Directing, steps in controlling, Departmentation and Delegation, Limitations of Planning,	Skill Development	L4	PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	IV	IT in Accounting & Finance- II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Business Process, Computerized accounting system, Concept of MIS Reports in Computer Environment, IT and Auditing.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to operate accounting software TALLY, able to develop Accounting Software, Guidelines for Developing MIS reports.	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse problems in MIS, Outputs of MIS, financial reports and other reports.	Analytical	L4	PO2 PSO2
CO5	Ability to use modern digital tools effectively.	Digital Skills	L5	PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	IV	Business Law

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & memorize: Section 2 Clause (2) – Accounting Standard Clause (7) – Auditing Standard Clause (13) – Books of Accounts Clause (31) – Deposit Clause (41) – Financial Year Clause (42) – Foreign Company Clause (47) – Independent Director Clause (48) – Indian Depository Receipts Clause (62) – One Person Company Clause (85) – Small Company	Intellectual	L1/L2	PO1
CO2	Case studies relating to different sections.	Problem solving	L3	PO2
CO3	Ability to evaluate procedure of incorporation, different types of prospectus, ways of issuing capital.	Intellectual	L5	PO1
CO4	Ability to analyse private placement, share capital and Debentures sections.	Analytical	L4	PO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	IV	Research Methodology

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of research and research analysis	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to analyse data collection and processing	Critical Thinking	L4	PO2 PSO2
CO3	Ability to examine data analysis and interpretations and research report	Analytical	L3	PO2 PSO2
CO4	Ability to develop the knowledge of advanced statistical techniques for data collection	Research Aptitude	L5	PO5 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	V	Financial Accounting V

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and interpret concepts of underwriting of shares and debenture, buy back of shares, Amalgamation and external reconstruction and Liquidation of Companies.	Cognitive	L1/L2	PO1 PSO1
CO2	Ability to solve problems of Underwriting of shares and debentures, computation relating to maximum permissible buyback, internal reconstruction.	Problem solving	L3	PO2 PSO1
CO3	Ability to prepare financial statement of companies after amalgamation, buyback of shares , balance sheet after internal reconstruction and liquidators' statement	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate maximum permissible buyback, Underwriting of shares and debentures, amalgamation, internal reconstruction and liquidation of companies	Critical Thinking	L5	PO2 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	V	Financial Accounting VI

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand and apply theory of banking company, Insurance company, non-banking financial company, Valuation of shares and goodwill and accounting for Limited Liability Partnership	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to prepare Final Accounts of Banking and Insurance Company	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse, classify and prepare statement of Non – banking Financial Company and conversion of partnership business into Limited Liability Partnership	Analytical	L4	PO2 PSO1
CO4	Ability to determine value of shares and goodwill	Skill Development	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	V	Costing

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain for Uniform costing, Operating costing Activity Based Costing.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to solve practical problems based on 1)Uniform Costing and Inter-Firm Comparison 2) Integrated System and Non- integrated System of Accounts. 3) Operating Costing 4) Process Costing 5) ABC Analysis	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse cost drivers, Work in progress and Equivalent production (FIFO Method and Weighted Average Method).	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate cost structure of costing of hospitals, hotels, goods and passengers transport service	Skill Development	L5	PO4 PSO1



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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	V	Financial Management -II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Strategic Financial Management, NPV, Benefit Cost Ratio, Internal Rate of Return, Modified Internal Rate of Return, Payback period, Discounted Payback Period and ARR	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to apply Capital Structure Theories, Dividend Decision Models, Calculations of NAV, Entry Load and Exit Load.	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse Capital Rationing Problems Risk Analysis in Capital Budgeting	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate Credit Management, measure Returns on Bond, estimate project cash flow	Skill Development	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	V	Taxation – IV (Indirect Taxes –II)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain GST and its implications.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to compute GST, Input Tax Credit, Tax Invoices, Credit and Debit notes.	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse different Concepts of Supply, Levy and Collection of GST.	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate whether liable for registration under GST.	Skill Development	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	V	Management Applications

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Marketing, Production, Human Resource and Financial Management	Intellectual	L1/L2	PO1
CO2	Ability to analyse the knowledge of 4P'S , Production process, functions of HRM and Financial management	Critical Thinking	L4	PO2
CO3	Ability to examine different techniques used in financial Investments and as well techniques for production management	Analytical	L3	PO2
CO4	Ability to develop the knowledge related to the practical aspects of Marketing , HR, Production, and Finance by means of case study discussion	Skill Development	L5	PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	VI	Financial Accounting VII

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to remember and apply theory of IFRS and accounting standards, mutual funds, Accounts of Electricity Company and Final Accounts of Co-operative Society	Intellectual	L1/L2	PO1 PSO1 PSO3
CO2	Ability to solve problems based on Final Accounts of Electricity Company and Final Accounts of Co-operative Society	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse investment accounting in shares and debentures and accounting of Electricity Company and Financial Accounts of Co-operative Society	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate investment related to shares and debentures, accounting of mutual fund and accounts of electricity company and accounts of Co-operative Society	Skill Development	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	VI	Financial Management -III

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Conceptual Framework of Valuation, Approaches of Valuation, Basic modes of acquiring another firm, Corporate Restructuring and Takeovers, Types of Leases & Working Capital financing	Conceptual	L1/L2	PO1 PSO1
CO2	Ability to solve Problems based on Factoring and calculations of yield of CP's and CD's, problems on Corporate Restructuring	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse Cash flows of a finance lease & hire purchase lease and Choice between Leasing and Hire Purchase	Analytical	L4	PO2 PSO1
CO4	Ability to determine the Exchange Ratio – EPS, MPS, Book value and Combination of Measures and Evaluation of Mergers	Skill Development	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	VI	Cost Accounting - IV

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Budgeting and Budgetary Control, Absorption Costing and Marginal Costing, Cost Volume and Profit, Managerial Decision Making, Standard Costing.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to prepare flexible and functional budgets and calculate different types of variances and marginal costing.	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse Break even analysis meaning and graphic presentation, Margin of safety.	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate: Make or buy Sales mix decisions Exploring new markets Plant shut down decision	Skill Development	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	VI	Indirect Taxes – III

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Returns, Accounts, Audit, Assessment and Records, Custom Act, Foreign Trade Policy.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to compute Tax under GST, Returns, Duty drawback & Customs, valuation of exported & imported Goods.	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse Payment of Tax and Refunds, classify imported and export Goods.	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate Export Promotion Capital Goods Scheme, EOU, STP, BTP and EHTP scheme.	Skill Development	L5	PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com Accounting & Finance	V	Indian Economy

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to Define, Recall, Describe Various Sectors such as agricultural, Industrial, Service and External.	Intellectual	L1	PO1
CO2	Ability to explain, understand, summarise and compare the concepts of Demography of India, Various sectors, Technological Changes in Agriculture, Pattern of industrialization India, International organizations, Money Market.	Intellectual/ Analytical	L2	PO1 PO2
CO3	Ability to examine Problems of various sectors, Performance of Industrial sector, Role of FDI in development.	Analytical	L3	PO2
CO4	Ability to analyse, categorise, classify unemployment, Industrial Sector, Service Sector, functions of SEBI	Problem Solving/ Skill Development	L4	PO2 PO4
CO5	Ability to evaluate, recommend measures, forecast problems of agricultural sector, Industrial sector and other sectors.	Critical thinking / Skill Development	L5	PO2 PO4



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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Accounting & Finance	VI	Project

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of research and interpret a particular aspect of a study	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to apply selected tools or techniques to arrive at findings and present graphs based on the information collected through different techniques	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse the collected data	Analytical	L4	PO2 PSO2
CO4	Ability to recommend and suggest the findings of the work to validate the objectives and hypothesis.	Research Aptitude	L5	PO5 PSO2

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## B.Com in Banking & Insurance

### Programme Specific Outcomes

PSO1	Students get conceptual clarity in basic accountancy and are able to analyse the different economic theories and elaborate on the principles of banking and insurance.
PSO2	Students gather knowledge on the income tax provisions and financial markets. They can make policy decisions, forecast finance and budgets, analyse macroeconomics concepts and techniques of costing, evaluate dividend policies and also get acquainted with Sebi and depositories laws. Students will be able to use information technology in the field of banking and insurance. They further can prepare reconciliation statements and estimate working capital requirements.
PSO3	Students gain thorough knowledge and information about liberalisation, globalisation, strategic management, portfolio management, financial services, international banking and finance. They are able to measure risk and return, prepare and read financial statements of banking and insurance companies as per the requirements of laws and also become competent individuals to undertake research.

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	I	Business Economics - I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Demand, Supply, Market structure, economics theories	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to apply the demand, supply, total cost, fixed cost, variable cost and marginal cost	Critical Thinking	L3	PO2 PSO1
CO3	Ability to analyse the relationship demand and supply, cost and production function	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate the pricing models, demand forecasting and estimation	Decision making, Skill Development	L5	PO3 PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	I	Environment and Management of Financial Services

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define understand & explain the concepts of financial services	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to examine the significance and role of Banking & Insurance in Mobilizing savings, investments, accumulation and economic growth	Critical Thinking	L3	PO2 PSO1
CO3	Ability to relate Asset-Liability Management in Banking & Insurance, Organizational Structure and Management	Analytical	L4	PO2 PSO1
CO4	Ability to determine the developmental activities of RBI & IRDA, mechanism of supervision and regulation, prudential norms	Decision making, Skill Development	L5	PO3 PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	I	Principles of Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of management in Banking and Insurance, Functions of Management	Intellectual	L1/L2	PO1
CO2	Ability to analyse the differentiate between traditional and contemporary management , the different steps involved in designing organisational structure	Critical Thinking	L4	PO2
CO3	Ability to examine about auto biography of Indian and International Business Leaders	Analytical	L3	PO2
CO4	Ability to evaluate the different functions used in banking and Insurance sector, and organisational structure of Banking and Insurance Companies	Decision making, Skill Development	L5	PO3 PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	I	Business Communication – I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to learn and discuss about concept of communication, problems in communication & business correspondence.	Intellectual	L1/L2	PO1
CO2	Ability to examine various oral and written communication skills needed for effective communication.	Skill Development	L3	PO4
CO3	Ability to analyse about the difficulties of communication in dynamic business environment.	Analytical , Skill Development	L4	PO2 PO4
CO4	Ability to draft business correspondence and develop language and writing skills	Skill Development	L5	PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	I	Quantitative Methods – I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Averages, Dispersion and Probability Theory.	Intellectual	L1/L2	PO1
CO2	Ability to apply the concepts of Standard deviation to find Consistency of Data, Finding Expectation and variance.	Critical Thinking	L3	PO2
CO3	Ability to analyse the concept of Insurance and its purpose.	Analytical	L4	PO2
CO4	Ability to evaluate and collect data to make the best decision.	Decision making, Skill Development	L5	PO3 PO4

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Banking & Insurance	I	Financial Accounting-I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to apply basic concepts of accounting, capital and revenue expenditure, bank reconciliation, inventory valuation, hire purchase, manufacturing account and cash book	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to solves problems based on trial balance, pass journal entries, bank reconciliation statement and capital and revenue expenditure	Problem solving	L3	PO2 PSO1
CO3	Ability to Analyse trial balance and prepare balance sheet and manufacturing account	Analytical	L4	PO2 PSO1
CO4	Ability to determine the value of closing stock and hire purchase transactions	Decision making, Skill Development	L5	PO3 PO4 PSO1



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### Course Outcomes:

Department	Semester	Course Name
B.Com in Banking & Insurance	I	Foundation Course – I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the basic concepts of- Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values, aspects of Political Processes.	Intellectual	L1/L2	PO1
CO2	Ability to analyse the diverse Indian society, existing inequalities and disparities in Indian Society, the Indian Constitution, Values, aspects of Political Processes.	Analytical	L4	PO2 PO3 PO4
CO3	Ability to apply the foundational knowledge in- solving personal and social problems related to diversity, inequalities, disparities, the Indian Constitution, Values & aspects of Political Processes.	Problem Solving	L3	PO2 PO3 PO4 PO5
CO4	Ability to evaluate - Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values, aspects of Political Processes, Political situation.	Decision making	L5	PO2 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	II	Principles and Practices of Banking & Insurance

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Banking and Insurance	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to apply Banking Operations	Critical Thinking	L3	PO2 PSO1
CO3	Ability to analyse the relationship between risk and return	Analytical	L4	PO2 PSO1
CO4	Ability to evaluate the role of actuarial, IRDA in claim & settlement procedure	Decision making, Skill Development	L5	PO3 PO4 PSO1

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Banking & Insurance	II	Foundation Course - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand, explain the concept of- LPG, Farmers suicide, ICT, Migration, Human Rights, Environment, Ecological Issues, Sustainable development, Stress & Conflict's-its types, causes, effects & resolving & coping mechanisms, Socialisation, Ethics & Values, Hierarchy of Needs	Intellectual	L1/L2	PO1 PO2
CO2	Ability to analyse- Indian Society & Economy after Globalisation, Migration, ICT, issues related to Human Rights, Ecological concerns, Sustainable development, Stress, Conflict, Ethics & Values, Hierarchy of Needs , Socialisation	Analytical & Management	L4	PO2 PO3 PO4 PO5
CO3	Ability to apply the knowledge- of changing situations after Globalisation, Migration, ICT, UDHR, Human Rights & Indian Constitution, Sustainable development, to resolve Stress and Conflicts, Socialisation, Ethics & Values, Hierarchy of Needs	Problem Solving	L3	PO2 PO3 PO4 PO5
CO4	Ability to evaluate - the changing trends in Indian Economy after Globalisation, Migration, ICT, Human Rights issues, ecological concerns, Sustainable development, Stress and Conflicts, Ethics & Values, Hierarchy of Needs, Socialisation	Decision Making	L5	PO2 PO3 PO4 PO5

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Banking & Insurance	II	Business Communication - II

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to explain about presentation skills and group communication and business correspondence	Intellectual	L1/L2	PO1
CO2	Ability to analyse principles of effective presentation, need and importance of meetings	Analytical	L4	PO2
CO3	Ability to prepare and draft notice, agenda and resolutions	Analytical	L3	PO4
CO4	Ability to develop PPT and design reports	Skill Development	L6	PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	II	Financial Accounting - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand concepts in valuation of shares and goodwill, buyback of equity shares, redemption of preference shares and redemption of debentures	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to solve problems based on redemption of shares and debentures	Problem solving	L3	PO2 PSO1
CO3	Ability to analyse maximum permissible buyback and passing journal entries for the same	Analytical	L4	PO2 PSO1
CO4	Ability to determine the value of shares and value of goodwill	Decision making, Skill Development	L5	PO3 PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	II	Quantitative Methods - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & recall the calculation of matrices and its application.	Intellectual	L1/L2	PO1
CO2	Ability to apply the concepts ratio, proportion and percentage to find relation between profit/cost with its other components.	Critical Thinking, Problem Solving, Skill Development	L3	PO2 PO4
CO3	Ability to analyse the given hypothesis, different Investment plans through sampling and calculation.	Analytical	L4	PO2
CO4	Ability to evaluate the return on different investments, relation between given variables through regression.	Decision making Skill Development	L5	PO3 PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	II	Organizational Behaviour

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of group dynamics, individual behaviour, organizational culture, development, change management	Intellectual	L1/L2	PO1
CO2	Ability to apply the motivation techniques in Banking and Insurance industry, techniques of organizational development, ways to overcome resistance to change, ways for making work culture effective and lively	Critical Thinking	L3	PO2
CO3	Ability to relate time and stress management, team building and team development, individual behaviour	Analytical	L4	PO2
CO4	Ability to evaluate theories of motivation, importance of organizational development, goal setting, scope and models of organizational behaviour	Decision making, Skill Development	L5	PO3 PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Banking & Insurance	II	Business Law

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to define, understand & explain the provisions of Indian Contract Act, Special contract, Sale of Goods Act, Negotiable instruments Act, Information Technologies Act	Intellectual	L1/L2	PO1
CO2	Ability to analyse Indian Contract Act, Sale of Goods Act, Information Technology Act and Negotiable Instruments	Analytical	L3	PO2
CO3	Ability to claim for remedies under Indian Contract Act and SALE OF Goods Act	Analytical	L4	PO2



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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	III	Financial Markets

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Money Market, Capital Market, Commodities Market and Derivatives Market	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to examine the components of Financial System, BSE, NSE, DEMAT Account.	Critical Thinking	L3	PO2 PSO2
CO3	Ability to relate Indian Financial system and Economic growth	Analytical	L4	PO2 PSO2
CO4	Ability to determine different investment products and its benefits for Investors	Decision making, Skill Development	L5	PO3 PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	III	Management Accounting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Management Accounting.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to calculate the different types of ratios.	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse the factors influencing dividend policy & ratios.	Analytical	L4	PO2 PSO2
CO4	Ability to estimate the working capital	Decision making Skill Development	L5	PO3 PO4 PSO2

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Banking & Insurance	III	Direct Tax

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe and understand fundamental provisions a of Income Tax Act	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to solve sums based on all the heads of income and using the deduction	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse the Residential status and Scope of Income and taxable income	Analytical	L4	PO2 PSO2
CO4	Ability to determine Gross Total Income & Net taxable Income, Residential Status, Scope of Income and Income under 5 heads of income	Decision making	L5	PO3 PSO2
CO5	Ability to produce and design the taxable income of an individual	Skill Development	L6	PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	III	Organizational Behaviour

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Individual Behaviour, Group Dynamics	Intellectual	L1/L2	PO1
CO2	Ability to classify working culture of organisational behaviour in banking and insurance sector	Critical Thinking	L4	PO2
CO3	Ability to examine the organizational dynamics with respect to Organizational structure, design and climate	Analytical	L3	PO2
CO4	Ability to develop the knowledge of Group Dynamics with related to Communication, power and politics and transactional analysis	Critical Thinking Skill Development	L5	PO2 PO4

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Banking & Insurance	III	Financial Management - I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Finance and Financial Management, Financial Forecasting, time value of money, Capital Budgeting, Cost of Capital, Capital Structure Decisions	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to solve Problems on computation of cash flow, ranking of projects on various techniques, problems on Annuity	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse EBIT –EPS, Capital Structure Theories & Dividend Policies (Walter & Gordon)	Analytical	L4	PO2 PSO2
CO4	Ability to measure Economic Value Added (EVA), Project Cash Flows, WACC using book value and market value method, marginal Cost of Capital	Decision making	L5	PO3 PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	III	Information Technology in Banking & Insurance-I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Gain an understanding of the E-Commerce landscape, current and emerging business models, and the technology and infrastructure underpinnings of the business.	Intellectual	L1/L2	PO1
CO2	Describe fundamental concepts behind modern banking/mobile banking technologies.	Analytical	L2	PO2
CO3	Design and formulate spreadsheets and documents effectively	Analytical Skill development	L6	PO2 PO4
CO4	Prescribe the need of cyber laws and the importance of cyber security.	Analytical	L5	PO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	III	Foundation Course- III

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify the issues related to Fundamental Rights and Environmental Concerns	Intellectual	L1/L2	PO1
CO2	Ability to apply the soft skills in dealing with practical issues	Team Work/ Problem Solving	L3	PO2
CO3	Ability to relate scientific knowledge and its applications	Analytical	L4	PO2
CO4	Ability to evaluate the contemporary human rights situation and try to solutions	Decision making	L5	PO3

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#### Course Outcomes:

Department	Semester	Course Name
B.Com in Banking & Insurance	IV	Business Economics – II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain macro-economic, money, inflation, Monetary policy, Fiscal policy, foreign investment, balance of payments, union budget, international trade.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to examine the deficit in Fiscal policy, union budget, trade cycle, FRBM act, canons of taxations	Critical Thinking	L3	PO2 PSO2
CO3	Ability to analyse the role of monetary policy, fiscal policy, inflation, balance of payment and money supply in economic growth and development.	Analytical	L4	PO2 PSO2
CO4	Ability to determine the impact of union budget on fiscal policy, balance of payment, international trade, foreign exchange market.	Decision making Skill Development	L5	PO3 PO4 PSO2



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### Course Outcomes:

Department	Semester	Course Name
B.Com in Banking & Insurance	IV	Cost Accounting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of cost accounting.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to prepare the statement of marginal cost & compute contribution, breakeven point and margin of safety	Problem solving	L3	PO2 PSO2
CO3	Ability to classify the cost and prepare the statement of reconciliation as per cost & financial accounts.	Analytical	L4	PO2 PSO2
CO4	Ability to evaluate the reason for variances by comparing standard cost with Actual cost	Decision making Skill Development	L5	PO3 PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	IV	Entrepreneurship Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Entrepreneurs and theories of Entrepreneurship	Intellectual	L1/L2	PO1
CO2	Ability to classify the business planning for different types of business	Critical Thinking	L4	PO2
CO3	Ability to examine the key areas of new ventures in different aspects of Marketing, operations, finance, Human resource	Analytical	L3	PO2
CO4	Ability to recommend the different concepts of Entrepreneurship in basis of social, Industrial and Intrapreneurs.	Decision making Skill Development	L5	PO3 PO4

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Banking & Insurance	IV	Financial Management -II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Working Capital, Management of Components of Working Capital, Budget, Strategic Financial Management	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to calculate Types of Leverage	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse Credit Policies and Inventory Management	Analytical	L4	PO2 PSO2
CO4	Ability to estimate working capital needs, forecast Budget	Decision making Skill Development	L5	PO3 PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	IV	Corporate & Securities Law

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the Company Law, Issue of Securities Laws, Capital and disclosure requirements and depositories	Intellectual	L1/L2	PO1
CO2	Ability to analyse company laws, securities laws	Analytical	L3	PO2
CO3	Ability to evaluate the SEBI (ICDR) and Depositories Act	Critical Thinking	L4	PO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	IV	Foundation Course- IV

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe the criteria, format and skills for various Competitive Exams and enhance Soft Skills	Intellectual	L1	PO1
CO2	Ability to distinguish multiple approaches to understand ecological concerns	Critical thinking	L2	PO2
CO3	Ability to categorize various Citizen beneficial laws and apply it in dealing daily issues	Problem Solving	L3/L4	PO2
CO4	Ability to recommend the limitations in usage of technology & create new ideas and apply it	Decision making	L5	PO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	IV	Information Technology in Banking & Insurance-II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Differentiate between different banking models and Payment models	Intellectual	L1/L2	PO1 PSO2
CO2	Illustrate the technological advancements in the banking industry.	Problem-solving	L2	PO2 PSO2
CO3	Design and use of slides in PowerPoint effectively.	Analytical	L6	PO3 PSO2
CO4	Demonstrate the use of email etiquette and the latest technology like Google drive effectively.	Decision making	L5	PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	V	Strategic Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the overview of Strategic Management	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to examine the components of business environment, turnaround management strategies, environmental scanning	Critical Thinking	L3	PO2 PSO3
CO3	Ability to analyse the impact of legal factors in strategic management, Gap analysis, SWOT, strategic management stages	Analytical Skill Development	L4	PO2 PO4 PSO3
CO4	Ability to determine the impact of Industrial Sickness on Economic growth	Decision making Skill Development	L5	PO3 PO4 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	V	Financial Reporting Analysis

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define cash & cash equivalents, Non-performing Assets, Operating, Investing, Financial Activities	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to apply & prepare revenue of Insurance Company, Corporate Financial Statements	Critical Thinking	L3	PO2 PSO3
CO3	Ability to analyse the Cashflow statement, Banking Company Final Accounts	Analytical	L4	PO2 PSO3
CO4	Ability to evaluate Non-performing Assets, Managerial Remuneration	Decision making Skill Development	L5	PO3 PO4 PSO3



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### Course Outcomes:

Department	Semester	Course Name
B.Com Banking and Insurance	V	Business Ethics and Corporate Governance

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, Recognise, Understand, Explain, Distinguish Ethics and Moral, Values, Corporate Governance types of ethics, Ethics in various businesses / Professions, Ethical Decision-Making theory, Corporate Governance, Good Governance and CSR.	Intellectual	L1 L2	PO1 PO2
CO2	Ability to create, develop and reconstruct the ethical environment for business, link values from scriptures to business.	Problem solving/ Skill development	L6	PO2 PO4
CO3	Ability to analyse, relate, classify fair and unfair business practices, theoretical differences of corporate governance, Indian corporate governance with western corporate governance,	Critical / Analytical	L4	PO2 PO3
CO4	Ability to conclude, determine, required ethics for business, consequences of unethical practices in business, consequences of corruption.	Critical thinking/ Decision making	L5	PO2 PO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	V	Financial Services and Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of financial services, Merchant Banking, Factoring, Forfeiting, Securitization , Mutual Funds	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to analyse the current market situation of mutual funds, Debt markets	Critical Thinking	L4	PO2 PSO3
CO3	Ability to examine Housing Finance and Consumer finance fluctuations	Analytical	L3	PO2 PSO3
CO4	Ability to evaluate the investment analysis of Depositories and Pledge	Decision making Skill Development	L5	PO3 PO4 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	V	International Banking and Finance

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of international finance, Exchange Rate system, Capital Markets, Foreign Exchange Markets and Banking Operations	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to apply and examine Foreign Exchange, Risk Management, Derivatives, Foreign Exchange Market, International lending operations, Currency Derivatives	Critical Thinking	L3	PO2 PSO3
CO3	Ability to relate International Equity Market, Currency Market, Exchange rates, Risk Management	Analytical	L4	PO2 PO3 PSO3
CO4	Ability to evaluate Banking Operations, International lending operations, international credit rating agencies, Market participation, equity and bond market	Decision making	L5	PO3 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	V	Research Methodology

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of research and research analysis	Intellectual, Research Aptitude	L1/L2	PO1 PO5 PSO3
CO2	Ability to analyse data collection and processing	Critical Thinking  Research Aptitude	L4	PO2 PO5 PSO3
CO3	Ability to examine data analysis and interpretations and research report	Analytical  Research Aptitude	L3	PO2 PO5 PSO3
CO4	Ability to develop the knowledge advanced statistical techniques for data collection	Decision making  Research Aptitude	L5	PO4 PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	VI	Turnaround Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Turnaround Management, Outsourcing, Networking, Franchising, Free lancing, Self-financing and start up	Intellectual	L1/L2	PO1
CO2	Ability to apply turnaround management strategies	Critical Thinking	L3	PO2
CO3	Ability to analyse the styles of decision making in the turnaround process, organisational change, Management skills, process etc	Analytical	L4	PO2
CO4	Ability to determine the impact of Industrial Sickness on Economic growth	Decision making Skill Development	L5	PO3 PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	VI	Human Resource Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Human resource management , Training and Selection, Recruitment and Selection and compensation management	Intellectual	L1/L2	PO1
CO2	Ability to analyse the Job Analysis followed in banking and Insurance Sector	Critical Thinking	L4	PO2
CO3	Ability to examine the different types of transfer and recruitment process followed in banking sector	Analytical	L3	PO2
CO4	Ability to develop the knowledge of human resource planning and participative management	Decision making Skill Development	L5	PO3 PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking & Insurance	VI	International Business

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of international business environment, National Corporations, Marketing and HRM.	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to apply and examine Economic Institutions, Trade barriers, global business environment, integrations of countries, policies and pricing, exports and imports documentations.	Critical Thinking	L3	PO2 PSO3
CO3	Ability to relate Integrations of countries, Export licensing, Dumping, Regional Trading groups, Strategies of International, Globalisation, MNCs, Trading Blocs	Analytical	L4	PO2 PSO3
CO4	Ability to evaluate Liberalisation, Alignment of documents, Institutional , Marketing and HRM, Regional groupings	Critical Thinking Skill Development	L5	PO2 PO4 PSO3

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Banking & Insurance	VI	Security Analysis and Portfolio Management

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to explain and discuss the concept of portfolio management, portfolio analysis, portfolio selection, portfolio revision, fundamental analysis, technical analysis and efficient market theory.	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to calculate and examine expected return and risk, covariance, measuring returns, valuation of bonds.	Problem solving	L3	PO2 PSO3
CO3	Ability to analyse the financial statements.	Analytical	L4	PO2 PSO3
CO4	Ability to measure and evaluate the different portfolios.	Decision making	L5	PO4 PSO3



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**Course Outcomes:**

Department	Semester	Course Name
B.Com Banking & Insurance	VI	Central Banking

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to Define, Recall, Describe Central bank, Monetary Policy, Macroeconomic Policy.	Intellectual	L1	PO1 PSO3
CO2	Ability to explain, understand, summarise, interpret and compare Banking Regulation Act 1949, Role of Central Bank, Policy Framework of RBI, Functions of RBI, Central banks across the world, Impact of globalization and IT on central banks.	Intellectual/ Critical thinking	L2	PO1 PO2 PSO3
CO3	Ability to analyse, categorise alternatives to central bank, issues of central bank, supervisory role of RBI, Interconnectivity of Central bank with other international institutions.	Analytical	L2 L4	PO2 PSO3
CO4	Ability to Evaluate, Measure, Recommend Changing face of Central Banking, Inflation, Monetary Policy instruments, growth with reference to monetary and fiscal policies.	Problem Solving/ Critical Thinking	L4	PO2 PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Banking and Insurance	VI	Project Work

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and describe the objective of the topic of study.	Intellectual, Research Aptitude	L1/L2	PO1 PO5 PSO3
CO2	Ability to review and examine the different literatures, analyse data collected.	Critical thinking, Research Aptitude	L3	PO2 PO5 PSO3
CO3	Ability to collect and categorize data.	Skill Development, Research Aptitude	L4	PO4 PO5 PSO3
CO4	Ability to conclude and recommend solutions under the topic of study.	Decision making, Research Aptitude	L5	PO3 PO5 PSO3
CO5	Ability to develop a questionnaire and produce research report.	Skill Development, Research Aptitude	L6	PO4 PO5 PSO3

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## B.Com in Financial Management

### Programme Specific Outcomes

PSO1	Students can draft financial plans, elaborate on capital structure theories, choose appropriate source of finance and gain conceptual clarity in basic accountancy
PSO2	Students becomes well versed with accounting treatment on amalgamation, merger, conversions and tax provisions. Also learn different methods of costing, prepare financial statements as per the requirements of companies Act 2013 and also reconcile the variances and analyse the financial statements
PSO3	Students would gain an understanding on policy decisions and portfolio management. They would also learn to measure risk and return, manage cash and receivables effectively, construct consolidated financial statements, get acquainted with accounting treatments on internal and external reconstructions, analyse different valuation techniques and become capable to undertake research projects

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	I	Financial Accounting - I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain concepts of accounting, depreciation and features and classification of double entry and single-entry system.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to prepare Journal entries, post recording from books of original entries to ledger, balancing ledger accounts trial balance, calculate the amount of depreciation and examine the statement of affairs and conversion method of single-entry system.	Problem solving, Skill Development	L3	PO2 PO4 PSO1
CO3	Ability to classify the difference between single entry and double entry system of accounts, SLM and WDV method of depreciation.	Analytical, Skill Development	L4	PO2 PO4 PSO1
CO4	Ability to measure the profit and determine the financial position.	Decision making, Problem Solving, Skill Development	L5	PO2 PO3 PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	I	Business Mathematics

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain concepts of ratio, proportion, percentage, discount, commission, brokerage, interest, shares and mutual funds.	Intellectual	L1/L2	PO1
CO2	Ability to solve and examine ratio, proportion, percentage, profit and loss, discount, annuity, simple and compound interest.	Problem solving	L3	PO2
CO3	Ability to simplify the concept of face value, market value, dividend etc.	Analytical, Skill Development	L4	PO2 PO4
CO4	Ability to measure net income and estimate the value of commission and brokerage.	Decision making, Critical Thinking, Skill Development	L5	PO2 PO3 PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	I	Indian Financial System

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to learn & define about Indian financial system, financial institution, NBFC & finance companies.	Intellectual	L1/L2	PO1
CO2	Ability to demonstrate about financial institution and services provided by them.	Critical Thinking	L3	PO2
CO3	Ability to categorise about banking and non-banking financial institution.	Analytical, Skill Development	L4	PO2 PO4
CO4	Ability to evaluate about evolution of finance companies.	Decision making, Skill Development	L5	PO3 PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	I	Business Communication – I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to learn and discuss about concept of communication, problems in communication & business correspondence.	Intellectual	L1/L2	PO1
CO2	Ability to examine various oral and written communication skills needed for effective communication.	Skill Development	L3	PO4
CO3	Ability to analyse about the difficulties of communication in dynamic business environment.	Analytical , Skill Development	L4	PO2 PO4
CO4	Ability to draft business correspondence and develop language and writing skills	Skill Development	L5	PO4

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	I	Foundation Course – I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the basic concepts of- Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values, aspects of Political Processes.	Intellectual	L1/L2	PO1
CO2	Ability to analyse the diverse Indian society, existing inequalities and disparities in Indian Society, the Indian Constitution, Values, aspects of Political Processes.	Analytical	L4	PO2 PO3 PO4
CO3	Ability to apply the foundational knowledge in- solving personal and social problems related to diversity, inequalities, disparities, the Indian Constitution, Values & aspects of Political Processes.	Problem Solving	L3	PO2 PO3 PO4 PO5
CO4	Ability to evaluate - Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values, aspects of Political Processes, Political situation.	Decision making	L5	PO2 PO3 PO4 PO5



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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	I	Business Environment

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to recognise with nature of business environment, society contemporary issues & international environment.	Intellectual	L1/L2	PO1
CO2	Ability to demonstrate and develop conceptual framework of business environment, laws relating to consumers, social audit & strategies for going global.	Analytical	L3	PO2
CO3	Ability to analyse environmental, consumer protection act, foreign trade in India.	Analytical	L4	PO2
CO4	Ability to evaluate about the ethics and importance of ethical behaviour in the business world.	Analytical	L5	PO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	I	Business Economics – I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand the concept of business economics, demand analysis, cost of production & market structure.	Intellectual	L1/L2	PO1
CO2	Ability to examine about demand and supply analysis in business application and cost concepts.	Analytical	L3	PO2
CO3	Ability to classify and correlate the cost and production functions and interpret pricing methods	Analytical	L4	PO2
CO4	Ability to develop an understanding about different types of markets – monopolistic competition & oligopolistic competition.	Analytical	L5	PO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	II	Financial Accounting - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain concepts of branch accounts, departmental accounts, hire purchase and interest.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to construct branch accounts, prepare departmental accounts, journal entries and balance sheet for hire purchase transactions, partnership final accounts and calculate interest.	Problem solving, Skill Development	L3	PO2 PO4 PSO1
CO3	Ability to categorize expenses and incomes in departmental accounts, classify branch accounts and analyse inter departmental transfers.	Analytical, Skill Development	L4	PO2 PO4 PSO1
CO4	Ability to evaluate debtors and stock method and estimate stock reserve.	Decision making, Skill Development	L5	PO2 PO3 PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	II	Business Statistics

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain concepts of statistics, population, sample, dispersion, correlation and classify data.	Intellectual	L1/L2	PO1
CO2	Ability to calculate arithmetic mean, median, mode	Skill Development	L3	PO2 PO4
CO3	Ability to analyse and measure the methods of dispersion, correlation and regression	Analytical Skill Development	L4, L5	PO2 PO4
CO4	Ability to create multiple bars, pie and sub divided diagrams and construct graphs	Skill Development	L6	PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	II	Principles of Finance

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to learn & define about finance & financial planning, capital structure, capitalisation, external source of finance& internal source of finance.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to interpret about capital structure & its theories and capitalisation types- under capitalisation & over capitalisation.	Analytical	L3	PO2 PSO1
CO3	Ability to classify about external and internal source of finance.	Analytical/ Skill Development	L4	PO2 PO4 PSO1
CO4	Ability to decide about different of types funds available and what to choose for the organisation.	Decision making	L5	PO3 PSO1

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Financial Management	II	Business Communication - II

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to explain about presentation skills and group communication and business correspondence	Intellectual	L1/L2	PO1
CO2	Ability to analyse principles of effective presentation, need and importance of meetings	Analytical	L4	PO2
CO3	Ability to prepare and draft notice, agenda and resolutions	Analytical	L3	PO2
CO4	Ability to develop PPT and design reports	Skill Development	L6	PO4

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	II	Foundation Course - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand, explain the concept of- LPG, Farmers suicide, ICT, Migration, Human Rights, Environment, Ecological Issues, Sustainable development, Stress & Conflict's-its types, causes, effects & resolving & coping mechanisms, Socialisation, Ethics & Values, Hierarchy of Needs	Intellectual	L1/L2	PO1 PO2
CO2	Ability to analyse- Indian Society & Economy after Globalisation, Migration, ICT, issues related to Human Rights, Ecological concerns, Sustainable development, Stress, Conflict, Ethics & Values, Hierarchy of Needs , Socialisation	Analytical & Management	L4	PO2 PO3 PO4 PO5
CO3	Ability to apply the knowledge- of changing situations after Globalisation, Migration, ICT, UDHR, Human Rights & Indian Constitution, Sustainable development, to resolve Stress and Conflicts, Socialisation, Ethics & Values, Hierarchy of Needs	Problem Solving	L3	PO2 PO3 PO4 PO5
CO4	Ability to evaluate - the changing trends in Indian Economy after Globalisation, Migration, ICT, Human Rights issues, ecological concerns, Sustainable development, Stress and Conflicts, Ethics & Values, Hierarchy of Needs, Socialisation	Decision Making	L5	PO2 PO3 PO4 PO5

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	II	Environmental Science

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to explain the environmental structure, natural resources, economic activities and environment management.	Intellectual	L1/L2	PO1
CO2	Ability to examine about the natural resources and their utilization, economic activities (case study with reference to India).	Analytical	L3	PO2
CO3	Ability to analyse various environmental issues associated with economic activities.	Analytical	L4	PO2
CO4	Ability to evaluate environmental impact assessment, role of technology in environmental management.	Critical Thinking	L5	PO2



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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Financial Management	II	Computer Skills

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to learn and discuss about computer hardware, windows, internet, WORD- 2013 & EXCEL 2013.	Intellectual	L1/L2	PO1
CO2	Ability to summarise about computer hardware, features of windows and search internet services.	Analytical	L3	PO2
CO4	Ability to create word documents and excel sheets.	Skill Development	L5	PO4

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	III	Corporate Accounting - I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of partnership final accounts, piecemeal distribution of cash, amalgamation of firms	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to prepare the statement of piecemeal distribution of cash, Balance sheet of new firm after amalgamation & Conversion of firm into a Ltd. company	Critical Thinking	L3	PO2 PSO2
CO3	Ability to complete the accounting procedure for amalgamation of partnership firms & conversion of firm into a Ltd. company.	Analytical	L4	PO2 PSO2
CO4	Ability to evaluate the effect on final accounts when a partner is admitted during the year or retires/ dies during the year	Decision making	L5	PO4 PSO2

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	III	Management Accounting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain concepts of management accounting, financial accounting, ratio analysis and working capital.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to construct balance sheet and profit and loss account in vertical format, calculate balance sheet ratios, revenue statement ratios and combined ratios, prepare cash flow statement as per AS – 3,	Critical thinking, Problem Solving, Skill Development	L3	PO2 PO4 PSO2
CO3	Ability to analyse the financial statements by simplifying in the form of comparative, common size and trend analysis and classify cash flow from operating, investing and financing activity and different ratios.	Analytical	L4	PO2 PSO2
CO4	Ability to determine and estimate the working capital requirements.	Decision making, Skill Development	L5	PO3 PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	III	Direct Tax - I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify, describe and understand the fundamental provisions of Income Tax Act, 1961.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to calculate income under different heads of income and apply the deductions available.	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse the residential status and scope of Income and taxable income.	Analytical	L4	PO2 PSO2
CO4	Ability to determine Total Income, Residential Status, Scope of Income.	Critical Thinking	L5	PO2 PSO2
CO5	Ability to produce the taxable income of an individual.	Skill Development	L6	PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	III	Cost Accounting - I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain cost, costing, cost accounting, material cost, labour cost and overheads.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to prepare stores ledger and calculate stock levels, EOQ and solve problems on labour cost.	Skill Development, Problem Solving	L3	PO4 PSO2
CO3	Ability to classify cost and overheads on different bases, Apportionment and Absorption of overheads.	Analytical	L4	PO2 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	III	Entrepreneurial Development

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand about entrepreneur & entrepreneurship.	Intellectual	L1/L2	PO1
CO2	Ability to examine and classify entrepreneurial project development and legal consideration of different forms of organization.	Analytical	L3	PO2
CO3	Ability to evaluate entrepreneurship development programme and risk management, risk management strategies	Skill Development, Critical Thinking	L5	PO2 PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Financial Management	III	Business Law

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to understand the basic concepts about Indian Contract Act, special contracts & the Sale of Goods Act & Negotiable Instrument Act.	Intellectual	L1/L2	PO1
CO2	Ability to analyse the special contracts and Negotiable Instruments Act, sale of goods act and basic contracts	Analytical	L4	PO2
CO3	Ability to conclude and recommend about the remedies available in business law.	Analytical	L5	PO2

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Financial Management	III	Business Regulatory Framework

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to define and understand the laws related to industrial relations, related to health and welfare, social legislation and law related to compensation management.	Intellectual	L1/L2	PO1
CO2	Ability to analyse different industrial and labour laws	Analytical	L4	PO2
CO3	Ability to determine the rights of labourers or employees.	Analytical	L5	PO2



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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	IV	Corporate Accounting - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the provisions of companies for redemption of preference shares, debentures & final accounts of companies.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to calculate the minimum fresh issue to provide the fund for redemption, ascertain profit prior to incorporation.	Problem solving	L3	PO2 PSO2
CO3	Ability to relate & comply the methods of redemption of debentures; by payment in lumpsum & by payment in instalments, methods of redemption of preference shares.	Analytical	L4	PO2 PSO2
CO4	Ability to determine the minimum DRR & investment to be created as per the provisions of companies act, basis for allocation of expenses/incomes in the preparation of profit & loss account.	Decision making, Skill Development	L5	PO3 PO4 PSO2

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	IV	Corporate Finance

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain concepts of corporate finance, cost of capital, capital structure mix, marginal costing, break even analysis and capital budgeting.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to calculate cost of capital and advise on a suitable capital structure.	Problem solving, Decision Making	L3	PO2 PO3 PSO2
CO3	Ability to classify and simplify the different sources of finance.	Analytical	L4	PO2 PSO2
CO4	Ability to determine and recommend on the basis of different capital budgeting techniques.	Decision making, Skill Development	L5	PO3 PO4 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	IV	Direct Tax - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe and understand the provisions of clubbing of income, setoff and carry forward, TDS and Advance tax, interest u/s 234A, 234B and 234C, DTAA, tax planning and ethics in taxation.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to calculate and compute net taxable and tax liability, relief under DTAA, TDS, Advance tax, set off and carry forward of losses and income of a partnership firm.	Problem solving	L3	PO2 PSO2
CO3	Ability to analyse tax liability of individual and HUF, TDS, Advance tax, losses that can be carry forwarded and interest, book profit and allowable remuneration to partners, interest liability u/s 234A, 234 and 234C, relief under DTAA, net tax liability of individual and HUF	Analytical	L4	PO2 PSO2
CO4	Ability to complete tax liability of individual and HUF.	Skill Development	L6	PO4 PSO2

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Financial Management	IV	Cost Accounting - II

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to define, understand and explain classification of costs, contract accounts, process accounts.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to prepare contract account, process account and ultimate cost sheet.	Skill Development	L3	PO4 PSO2
CO3	Ability to analyse and reconcile the differences on profit of financial and cost accounts.	Analytical	L4	PO2 PSO2

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Financial Management	IV	Office Management

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to define and understand office accommodation, automation, HRM for office management and scheduling of work.	Intellectual	L1/L2	PO1
CO2	Ability to prepare building layout for office, uses and abuses of labour-saving appliances, recruitment, selection and office routine.	Analytical, Skill Development	L3	PO2 PO4
CO3	Ability to articulate and build office schedule and accommodation	Skill Development	L4	PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Financial Management	IV	Corporate Law

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to define and explain the basic concepts of Indian Companies Act, Indian Partnership Act, Consumer Protection Act and Intellectual Property Rights.	Intellectual	L1/L2	PO1
CO2	Ability to examine and classify different laws	Analytical	L3	PO2
CO3	Ability to determine the rights of consumers, remedies available under consumer protection, duties of partners.	Analytical	L5	PO2

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	IV	IT in Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify & explain business process, E- commerce, concept of MIS & computerised accounting	Intellectual	L1/L2	PO1
CO2	Ability to examine classification of business process, pros and cons of e- commerce, role of MIS & basic requirement of computerised accounting, simply workflow of business process and business plan for e-commerce, auditing in IT environment	Analytical	L3	PO2
CO3	Ability to generate reports under TALLY system.	Skill Development	L6	PO4

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	V	Financial Management – I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of present value, future value, time value of money, cost of capital, capital budgeting	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to examine the different sources of finance, calculate weighted average cost of capital, present value & future value using techniques of discounting & compounding.	Critical Thinking, Problem Solving	L3	PO2 PSO3
CO3	Ability to analyse the techniques of capital budgeting.	Analytical	L4	PO2 PSO3
CO4	Ability to measure the cost of capital & evaluate the best financing alternatives using capital structure theories & long-term investment projects with the help of capital budgeting technique.	Critical Thinking, Skill Development	L5	PO2 PO4 PSO3



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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	V	Financial Analysis and Business Valuation

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe the types of financial statement analysis, discuss the techniques of valuation and explain the basics of merger.	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to calculate and examine EVA, leverages, brand value, variance and bond valuation.	Problem solving	L3	PO2 PSO3
CO3	Ability to analyse the financial statements, income, profitability, growth and sustainable earnings.	Analytical	L4	PO2 PSO3
CO4	Ability to measure exchange ratio and evaluate earnings per share pre and post-acquisition of shares.	Decision making, Skill Development	L5	PO3 PO4 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	V	Research Methodology

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain the concepts of research and research analysis.	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to analyse data collection and processing.	Critical thinking	L3	PO2 PSO3
CO3	Ability to examine data analysis and interpretations and research report.	Analytical	L4	PO2 PSO3
CO4	Ability to develop the knowledge advanced Statistical techniques for data collection.	Decision making	L5	PO3 PSO3

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
B.Com in Financial Management	V	Auditing - I

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to define and discuss about auditing, types of audits, audit planning, auditing techniques and internal audit.	Intellectual	L1/L2	PO1
CO2	Ability to analyse and examine errors and frauds, audit programme, test checking, audit working papers, audit notebook & audit planning, sampling methods.	Analytical	L4	PO2
CO3	Ability to evaluate audit integrity, internal control system and internal audit.	Analytical Skill Development	L5	PO2 PO4

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	V	Business Ethics

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define & explain meaning of ethics, business ethics in global economy, CSR and functional ethics.	Intellectual	L1/L2	PO1
CO2	Ability to examine theories of ethics, global business network, relationship between CSR and business ethics.	Analytical	L3	PO2
CO3	Ability to categorise Gandhian philosophy, ethical issues in e-commerce, business ethics and social justice.	Analytical	L4	PO2
CO4	Ability to conclude about ethical challenges, measures to prevent unethical practices in e-commerce, social justice and trade marks.	Skill Development	L5	PO4

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	V	Corporate Accounts – III

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Banking Co, Insurance Co, Investments, Foreign currency transactions	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to plan and prepare revenue accounts of Insurance company, personal investment accounts	Critical Thinking Skill Development	L3	PO2 PO4 PSO3
CO3	Ability to analyse the Banking Company's Final Accounts	Analytical	L4	PO2 PSO3
CO4	Ability to evaluate the non-performing assets, effects of changes in foreign exchange rates	Critical Thinking	L5	PO2 PSO3

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	VI	Financial Management - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of risk & return, leverages, cost of capital, capital structure, cash management & receivables management.	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to apply cash management & receivable management techniques.	Critical Thinking	L3	PO2 PSO3
CO3	Ability to analyse EBIT-EPS, leverages to amplify returns from an investment.	Analytical	L4	PO2 PSO3
CO4	Ability to evaluate the credit policy, dividend policy, relationship between operating leverage & financial leverage.	Decision making, Skill Development	L5	PO3 PO4 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	VI	Security Analysis and Portfolio Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to explain and discuss the concept of portfolio management, portfolio analysis, portfolio selection, portfolio revision, fundamental analysis, technical analysis and efficient market theory.	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to calculate and examine expected return and risk, covariance, measuring returns, valuation of bonds.	Problem solving	L3	PO2 PSO3
CO3	Ability to analyse the financial statements.	Analytical	L4	PO2 PSO3
CO4	Ability to measure and evaluate the different portfolios.	Decision making, Skill Development	L5	PO3 PO4 PSO3

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### Course Outcomes:

Department	Semester	Course Name
B.Com in Financial Management	VI	Project Work

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and describe the objective of the topic of study.	Intellectual, Research Aptitude	L1/L2	PO1 PO5 PSO3
CO2	Ability to review and examine the different literatures, analyse data collected.	Critical thinking, Research Aptitude	L3	PO2 PO5 PSO3
CO3	Ability to collect and categorize data.	Skill Development, Research Aptitude	L4	PO4 PO5 PSO3
CO4	Ability to conclude and recommend solutions under the topic of study.	Decision making, Research Aptitude	L5	PO3 PO5 PSO3
CO5	Ability to develop a questionnaire and produce research report.	Skill Development, Research Aptitude	L6	PO4 PO5 PSO3



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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	VI	Auditing - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to learn, define & discuss about vouching, verification, auditing standards & the provisions relating to audit of companies.	Intellectual	L1/L2	PO1
CO2	Ability to examine audit of income and expenses, audit of assets and liabilities.	Analytical, Skill Development	L3	PO2 PO4
CO3	Ability to analyse the procedures of appointment, reappointment, filling up of the casual vacancies and removal of auditor, qualification & disqualification, powers and duties of auditors, auditing standards.	Analytical	L4	PO3

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**Course Outcomes:**

Department	Semester	Course Name
B.Com in Financial Management	VI	Organizational Behaviour

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to learn & discuss organisational behaviour, interpersonal relationships, group behaviour and stress management.	Intellectual	L1/L2	PO1
CO2	Ability to examine organizational behaviour, conflict management, interpersonal relationships, group behaviour, stress management	Analytical, Skill Development	L3	PO2 PO4
CO3	Ability to relate time and stress management, team building and team development, individual behaviour.	Analytical	L4	PO3

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**Course Outcomes:**

Department	Semester	Course Name
Bachelor of Commerce (Financial Management)	VI	Corporate Accounts – IV

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the Non-performing Assets, carrying amount for investments, monetary items & non-monetary items	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to plan for internal & external reconstruction, amalgamation with absorption & external reconstruction	Critical Thinking	L3	PO2 PSO3
CO3	Ability to analyse minority interest, calculate goodwill, capital reserve for cost of investment	Analytical	L4	PO2 PSO3
CO4	Ability to evaluate the financial statement after reconstruction and consolidation	Decision making Skill Development	L5	PO3 PO5 PSO3

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**Bachelor of Management Studies**

**Programme Specific Outcomes**

**PSO1 – Intellectual breadth**

- Ability to define and cite the concepts of management.

**PSO2 – Critical thinking, Problem solving & Analytical skills**

- Ability to classify the different modes of leadership skills.
- Ability to identify problems & analyse answers & implement the best solutions.

**PSO3 – Teamwork, Communication skills and Leadership Qualities**

- to apply the principles of management in the employment

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### Course Outcomes:

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	I	BUSINESS LAW

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define ,classify the essential elements of Contract Act, Sale of Goods and other trade acts	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to understand and classify, categorise the Defects and deficiencies of product and services	Analytical	L4	PO2 PSO2
CO3	The ability to classify, to apply the concepts of Negotiable Instrument Act, Company Law and IPR	Problem Solving	L3/4	PO2
CO4	The ability Determine the types of intellectual property .	Decision making	L5	PO5/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	I	BUSINESS COMMUNICATION

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to understand , define and classify the various types of business communication	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to apply and analyse various ethical issues involved in business communication	Analytical & management	L3	PO2 /PSO2
CO3	The ability to identify , and evaluate various barriers to communication	Problem Solving	L3/L4	PO2
CO4	The ability to demonstrate various writing skills,	Decision making	L5	PO4/PO5/PSO3

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### Course Outcomes:

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	I	FOUNDATION OF HUMAN SKILLS

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define and identify the individual traits, concepts of thinking, perception.	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to classify various group dynamics, organizational process and systems.	Team Work/ Problem Solving	L3/L2	PO2 & PO3
CO3	The ability to define, articulate, analyse causes of organizational conflicts, stress and motivation .	Analytical	L1/L4	PO2
CO4	The ability to decide and determine the organisational creativity and managing ways to reduce stress at work place.	Decision making	L5	PO4/PO5/PSO3

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### Course Outcomes:

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	I	BUSINESS ECONOMICS

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define and identify, explain the basic tools, functions, market structure in business economics.	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to explain and classify cost concepts, market structure.	Critical thinking	L2	PO2
CO3	The ability to solve numerical illustrations and apply various hypothetical methods in problem solving	Problem Solving	L3/L4	PO2
CO4	The ability to decide application of pricing methods in business world.	Decision making	L3/L5	PO4/PO5



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### Course Outcomes:

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	I	BUSINESS STATISTICS

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define various statistical functions, scope, importance and limitations	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to explain Co-relation and linear Regression, classify various methods of time series illustrate various index number	Critical thinking	L1/L2	PO2/PSO2
CO3	The ability to solve and calculate various numerical problems ,apply the formulae	Problem Solving	L3/L4	PO2
CO4	The ability to define the concept of probability, use decision tree to decide decision making risk	Decision making	L1/L3/L5	PO4

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**Course Outcomes:**

Department	Semester	Course Name
Foundation Course	I	FC-1

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the basic concepts of Diverse Indian Society.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to analyse the inequalities and disparities in Indian Society.	Analytical	L4	PO2
CO3	Ability to apply the foundational knowledge in solving personal and social problems.	Problem Solving	L3	PO2
CO4	Ability to evaluate Political situation and is capable to become a responsible citizen.	Decision making	L5	PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Bachelor of Management Studies	I	Introduction to Financial Accounts

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to define, understand & explain the fundamental accounting terms.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to prepare final accounts for a sole proprietorship	Problem solving	L3	PO2
CO3	Ability to classify and record financial transactions in the books of accounts on their own.	Analytical	L4	PO2

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	II	INDUSTRIAL LAW

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define and explain various sections related to Industrial laws including authorities, awards, settlements, retrenchments,	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to understand and classify, categorise the provisions under Factories act	Analytical	L2/L4	PO2
CO3	The ability to classify, to apply the concepts to calculate the bonus and gratuity	Problem Solving	L3/14	PO2/PSO2
CO4	The ability Determine the types of compensation and decide the applicability of the scheme for compensation	Decision making	L5	PO5/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	II	PRINCIPLES OF MARKETING

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define various concepts in marketing	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to analyse and understand the application of marketing mix	Analytical & management	L3	PO2
CO3	The ability to classify the types of consumer and articulate the segmentation of market	Problem Solving	L3/L4	PO2/PSO2
CO4	The ability to develop various means of promotion	Decision making	L5	PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	II	BUSINESS MATHEMATICS

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define with basic mathematical calculations in business	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to solve matrices of order two or three	Problem Solving	L3/L2	PO2 & PO3
CO3	The ability to analyse input out put	Analytical	L1/L4	PO2/PSO2
CO4	The ability to evaluate derivatives	Decision making	L5	PO5

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	II	BUSINESS ENVIRONMEN

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define and identify, explain the basic business environment	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to explain and classify political, cultural, legal and technological environment	Critical thinking	L2	PO2/PSO2
CO3	The ability to solve and apply Analysis of Business Environment, SWOT Analysis.	Problem Solving	L3/L4	PO2
CO4	The ability to decide Challenges faced by International Business and Investment Opportunities for Indian Industry	Decision making	L3/L5	PO4/PO5

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### Course Outcomes:

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	II	PRINCIPLES OF MANAGEMENT

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define various Concept, Significance, Role & Skills, Levels of Management, Concepts of PODSCORB, Managerial Grid.	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to explain the process of management	Critical thinking	L1/L2	PO2
CO3	The ability to plan and analyse the various situations in organisations	Problem Solving	L3/L4	PO2
CO4	The ability to define the concept, Process, OF Techniques of Decision Making., use decision for factors affecting span of Control	Decision making	L1/L3/L5	PO4



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**Course Outcomes:**

Department	Semester	Course Name
Foundation Course	II	Foundation Course- II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand, explain the concept of Human Rights and Ecological Issues.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to examine Stress and conflict	Analytical & management	L3	PO2 PSO2
CO3	Ability to apply the knowledge to resolve stress and conflicts	Problem Solving	L4	PO2
CO4	Ability to evaluate the changing trends in Indian Economy after globalisation	Decision making	L5	PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
Bachelor of Management Studies	II	BUSINESS COMMUNICATION II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the fundamentals of business communication.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to prepare various types of trade letters and flyers	Problem solving	L3	PO2
CO3	Ability to classify analyse the role of PR in business.	Analytical	L4	PO2 /PSO2
CO4	To design and organise the various types of interviews, conferences		L5	PO4/PO5PSO3

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	III	CONSUMER BEHAVIOUR

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain Consumer Behaviour,	Intellectual	L1/L2	PO1/PS01
CO2	The ability to understand and classify types of consumer and needs and involvement	Analytical	L2/L4	PO2
CO3	The ability to classify, to apply the models of decision making	Problem Solving	L3/4	PO2/PSO2
CO4	The ability Determine the buyer's behaviour	Decision making	L5	PO3/PO4/PO5

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### Course Outcomes:

Department	Semester	Course Name
Bachelor of Management Studies	II	Accounting for Managerial Decision

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & distinguish between funds required and funds applied, as well as determine the operating cycle and manage receivables.	Intellectual	L1/L2	PO1/PO2/PSO1
CO2	Ability to apply various accounting standards and develop a good understanding w.r.t preparation of accounts.	Problem solving	L3	PO2
CO3	Ability to analyse ratios and predicting working capital requirements, etc.	Analytical	L4	PO2/PSO2
CO4	Ability to evaluate Common Size Statements, Comparative Statements, Trend Statements, Cash Flow Statements, and so on, which will give the learner with the required information to make appropriate judgments.	Decision making	L5	PO3/PO5

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**Course Outcomes:**

Department	Semester	Course Name
Foundation Course	III	BUSINESS PLANNING & ENTREPRENEURSHIP

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand, explain the concept of Foundations of Entrepreneurship Development:	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to examine Types & Classification Of Entrepreneurs	Analytical & management	L3	PO2
CO3	Ability to apply the knowledge to Entrepreneur Project Development & Business Plan	Problem Solving	L4	PO2
CO4	Ability to evaluate the Steps involved in starting of Venture	Decision making	L5	PO4/PO5

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### Course Outcomes:

Department	Semester	Course Name
Bachelor of Management Studies	III	ADVERTISING

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the fundamentals of advertising Definition, Evolution of Advertising, Importance, Scope, Features, Benefits,  Five M's of Advertising	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to prepare various types Advertising Agencies – Functions – structure – types - Selection criteria for Advertising agency Compensation.	Problem solving	L3	PO2
CO3	Ability to classify analyse the role and determining the message, theme/major selling ideas – introduction to USP – positioning strategies –persuasion and types of advertising appeals	Analytical	L4	PO2 /PSO2
CO4	To design and organise the Methods of Budgeting and Evaluation of Advertising	Decision	L5	PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
Bachelor of Management Studies	III	RECRUITMENT & SELECTIONS

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the fundamentals of -Meaning, Objectives, Scope & Definition, Importance and relevance of Recruitment and selection	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to prepare various types of selection methods and tests	Problem solving	L3	PO2
CO3	Ability to classify analyse the Orientation & On boarding-Programme and Types, Process.	Analytical	L4	PO2/PSO2
CO4	To design, the Preparing Bio-data and C.V.	Decision making	L5	PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
Bachelor of Management Studies	III	IT IN BUSINESS MANAGEMENT- I

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the concepts of Information Technology, its support and role in Management, for managers	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to prepare for practical hands on training required for office automation.	Problem solving	L3	PO2
CO3	Ability to classify analyse the role in Major areas of IT Applications in Management	Analytical	L4	PO2 /PSO2
CO4	To determine Threats to Computer systems and control measures.	Decision making	L5	PO4/PO5



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**Course Outcomes:**

Department	Semester	Course Name
Bachelor of Management Studies	III	ADVERTISING

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the fundamentals of advertising	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to prepare various types	Problem solving	L3	PO2
CO3	Ability to classify analyse the role	Analytical	L4	PO2
CO4	To design and organise the	Decision making	L5	PO4

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### Course Outcomes:

Department	Semester	Course Name
Bachelor of Management Studies	III	STRATEGIC MANAGEMENT

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the fundamentals of management policies and strategies at every Level to develop conceptual skills	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to prepare various types of Strategy Formulation	Problem solving	L3	PO2
CO3	Ability to classify and critically examine the management of the entire enterprise. from the Top Management viewpoints.	Analytical	L4	PO2 /PSO2
CO4	To design and organise the corporate level Policy & Strategy formulation areas.  This course aims to developing conceptual skills in this area as well as their application in the corporate world.	Decision making	L5	PO4

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**Course Outcomes:**

Department	Semester	Course Name
Bachelor of Management Studies	III	BUSINESS ECONOMICS-II

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the fundamentals of Introduction to Macroeconomic Data and Theory	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to prepare various types of Money, Inflation and Monetary Policy	Problem solving	L3	PO2
CO3	Ability to classify analyse the role Role of a Government to provide Public goods- Principles of Sound and Functional Finance	Analytical	L4	PO2/PSO2
CO4	To understand and determine Theory and Issues of International Trade	Decision making	L2/L5	PO4

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**Course Outcomes:**

Department	Semester	Course Name
Bachelor of Management Studies	III	MOTIVATION & LEADERSHIP

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the concepts of motivation and leadership	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to demonstrate various types of Motivation theories.	Problem solving	L3	PO2
CO3	Ability to classify analyse the role of leaders	Analytical	L4	PO2 /PSO2
CO4	To determine the Contemporary issues in leadership.	Decision making	L5	PO4/PO5/PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Bachelor of Management Studies	IV	Ethics and Governance

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the concept of Business Ethics.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to advise on ethical issues in marketing and human resource management.	Problem solving	L3	PO2
CO3	Ability to analyse corporate social responsibility & various ethical codes in corporate governance	Analytical	L4	PO2/PSO2
CO4	Ability to determine employee's condition and business ethics.	Decision making	L5	PO3

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	IV	Integrated Marketing Communication

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain the students with knowledge about the nature, purpose and complex construction in the	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to understand and classify various tools of IMC and the importance of co-ordinating them for an effective marketing communication program.	Analytical	L2/L4	PO2
CO4	The ability to determine planning and execution of an effective Integrated Marketing Communication (IMC) program.	Decision making	L5	PO3/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	IV	Rural Marketing

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain Rural Market & Scope of Rural Marketing.	Intellectual	L1/L2	PO1/PSO1
CO2	The ability to understand and classify types of marketing	Analytical	L2/L4	PO2 PSO2
CO3	The ability to classify relevance of Marketing mix for Rural market/Consumers.	Problem Solving	L3/14	PO2
CO4	The ability to determine Constraints in Rural Marketing and Strategies to overcome constraints	Decision making	L5	PO3/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	IV	Training & Development in HRM

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain f training–concept, scope, importance, objectives, features, need and assessment of training	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify types Counselling techniques with reference to development employees, society and organization	Analytical	L2/L4	PO2 PSO2
CO3	The ability to classify Programs & methods, importance, evaluating a MDP	Problem Solving	L3/14	PO2
CO4	The ability to determine Appraisals, pitfalls & ethics of appraisal.	Decision making	L5	PO3/PO4



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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	IV	Change Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain Introduction & levels of change, Importance, imperatives of change.	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify types of Change & its implementation.– individual change: concept, need, importance & risk of not having individual perspective.	Analytical	L2/L4	PO2
CO3	The ability to classify Role analysis Technique, Coaching & mentoring	Problem Solving	L3/14	PO2 PSO2
CO4	The ability to determine Effective implementation of change–change agents and effective change programs	Decision making	L5	PO3/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	IV	Information Technology in Business Management-II

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain outsourcing concepts. BPO/KPO industries, their structures , Cloud computing.	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand relationship between database management and data warehouse approaches , the requirements and applications of data warehouse	Analytical	L2/L4	PO2 PSO2
CO3	The ability to classify Enterprise Resource Planning, Supply Chain Management, Customer Relationship Management, Key issues in implementation	Problem Solving	L3/4	PO2
CO4	The ability to determine managerial decision-making and to develop perceptive of major functional area of MI	Decision making	L5	PO3/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	IV	Production & Total Quality Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain Lean Thinking, Kepner Tregor Methodology of problem solving, Sigma features, Enablers, Goals, DMAIC/DMADV.	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify designing aspect of production systems	Analytical	L2/L4	PO2
CO3	The ability to classify characteristics of Quality, Quality Assurance, Quality Circle : Objectives Of Quality Circles, Ishikawa Fish Bone, Applications in Organizations. Simple numerical on productivity	Problem Solving	L3/14	PO2 PSO2
CO4	The ability to determine the basic management decisions with respect to production and quality management	Decision making	L5	PO3/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	IV	Environmental Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the concepts of Environment, Environmental degradation	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to analyse the knowledge of Sustainability and role of business	Critical Thinking	L4	PO2
CO3	Ability to examine Innovations in business- an environmental perspective	Analytical	L3	PO2
CO4	Ability to develop knowledge related to Environmental Degradation , Global warming: Disaster Management	Decision making	L5	PO4
CO5	Ability to create Innovations in business- an environmental perspective	Teamwork	L6	PO4

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**Course Outcomes:**

Department	Semester	Course Name
Bachelors in Management Studies	IV	Business Planning and Entrepreneurial Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the concepts of Entrepreneurship Development, Project development and business plan	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to analyse the classification of Entrepreneurs	Critical Thinking	L4	PO2 PSO2
CO3	Ability to examine the Entrepreneur project development & Business plan	Analytical	L3	PO2
CO4	Ability to develop the knowledge of Venture Development	Decision making	L5	PO4

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### Course Outcomes:

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	V	LOGISTICS & SUPPLY CHAIN MANAGEMENT

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain basic understanding of concepts of logistics and supply chain management	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify the key activities performed by the logistics function	Analytical	L2/L4	PO2 PSO2
CO3	The ability to classify, to apply an insight in to the nature of supply chain, its functions and supply chain systems	Problem Solving	L3/L4	PO2
CO4	The ability Determine and to understand global trends in logistics and supply chain management	Decision making	L2/L5	PO3/PO4/PO5 PSO3

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### Course Outcomes:

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	V	CORPORATE COMMUNICATION & PUBLIC RELATION

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain basic understanding of concepts of corporate communication and public relation.	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify, to discuss the various elements of corporate communication and consider their roles in managing organizations	Analytical	L2/L4	PO2
CO3	The ability to classify, to examine how various elements of corporate communication must be coordinated to communicate effectively	Problem Solving	L3/4	PO2
CO4	The ability Determine and to understand ,to develop a critical understanding of the different practices associated with corporate communication	Decision making	L2/L5	PO3/PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	V	SERVICE MARKETING

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain the concepts of Services Marketing, Key Elements of Services Marketing Mix	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify Managing Quality Aspects of Services Marketing	Analytical	L2/L4	PO2
CO3	The ability to classify Elements of Transnational Strategy, to determine the Factors Favouring Transnational Strategy	Problem Solving	L3/L4	PO2
CO4	The ability Determine and to understand, recent Trends in Marketing of Services in: Tourism, Hospitality, Healthcare, Banking, Insurance, Education, IT and Entertainment Industry	Decision making	L2/L5	PO3/PO5



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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	V	E-COMMERCE & DIGITAL MARKETING

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain the concepts of E-commerce and digital marketing	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand increasing significance of E-Commerce and its applications in Business and Various Sectors	Analytical	L2/L4	PO2
CO3	The ability to classify and to provide an insight on Digital Marketing activities on various Social Media platforms and its emerging significance in Business	Problem Solving	L3/4	PO2
CO4	The ability Determine and to understand, Latest Trends and Practices in E-Commerce and Digital Marketing, along with its Challenges and Opportunities for an Organisation	Decision making	L2/L5	PO5/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	V	SALES & DISTRIBUTION MANAGEMENT

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain the concepts of Meaning, Role of Sales Department, Evolution of Sales Management , Interface of Sales with Other Management Function	Intellectual	L1/L2	PO1PSO1
CO2	The ability to understand Market Analysis and Selling, Methods of Closing a Sale, Reasons for Unsuccessful Closing	Analytical	L2/L4	PO2
CO3	The ability to classify Distribution Channel Management	Problem Solving	L3/4	PO2 PSO2
CO4	The ability Determine and to understand, approaches and the practical aspects of the key decision making variables in sales management and distribution channel management.	Decision making	L2/L5	PO3/PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	V	CUSTOMER RELATIONSHIP MANAGEMENT

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain the concepts of Customer Relationship Management (CRM) and implementation of Customer Relationship Management	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and provide insight into CRM marketing initiatives, customer service and designing CRM strategy	Analytical	L2/L4	PO2 PSO2
CO3	The ability to classify CRM Strategy, Planning, Implementation and Evaluation	Problem Solving	L3/4	PO2
CO4	The ability Determine and to understand, new trends in CRM, challenges and opportunities for organizations Board of Studies-in-Business Management, University of Mumba	Decision making	L2/L5	PO3/PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	V	Finance for HR Professionals and Compensation Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain the concepts of Meaning, Objectives of Compensation Plans, Role of HR Professionals in Compensation Plans, Types of Compensation: Financial and non-financial, Factors Influencing Compensation	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand Incentives and Wages	Analytical	L2/L4	PO2
CO3	The ability to classify and understand Compensation to Special Groups and Recent Trends	Problem Solving	L3/14	PO2
CO4	The ability Determine and to understand, Legal and Ethical issues in Compensation , Legal Framework of Compensation in India: Wage Policy in India	Decision making	L2/L5	PO3/PO5

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	V	Strategic Human Resource Management and HR Policies

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain the concepts, to understand human resource management from a strategic perspective	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand To link the HRM functions to corporate strategies in order to understand HR as a strategic resource	Analytical	L2/L4	PO2
CO3	The ability to classify and understand, apply the theories and concepts relevant to strategic human resource management in contemporary organizations.	Problem Solving	L3/4	PO2
CO4	The ability Determine and to understand the relationship between strategic human resource management and organizational performance	Decision making	L2/L5	PO3/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	V	Performance Management and Career Planning

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain the concepts, performance management in organizations	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand review performance appraisal system	Analytical	L2/L4	PO2
CO3	The ability to understand, apply the Ethics, Under Performance and Key Issues in Performance Management.	Problem Solving	L3/14	PO2
CO4	The ability Determine and to understand career Development, Career Development Initiatives , Role of Technology in Career Planning and Development	Decision making	L2/L5	PO3/PO4

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### Course Outcomes:

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	V	INDUSTRIAL RELATIONS

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and explain the concepts, Explain the objectives of Industrial Relations and list the factors affecting IR. Justify the role of Trade Unions and employers' association and examine the impact of Globalisation on Trade Union.	Intellectual	L1/L2	PO1PSO1
CO2	The ability to understand and describe the concepts of Industrial Disputes, Strikes and Lockouts with reference to concerned Legislations	Analytical	L2/L4	PO2
CO3	The ability to understand, Discuss the causes of Grievance, need for discipline and punitive measures for Indiscipline.	Problem Solving	L3/4	PO2/PO3
CO4	The ability to Examine the need for Collective bargaining, Workers Participation in Management and the process involved.	Decision making	L2/L5	PO3/PO4/PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	VI	OPERATION RESEARCH

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and - Definition, Characteristics of OR, Models, OR Techniques, Areas of Application, Limitations of OR.	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify Assignment and Transportation Models	Analytical	L2/L4	PO2
CO3	The ability to classify, to apply Linear Programming Problems: Graphical Method	Problem Solving	L3/4	PO2
CO4	The ability Determine and to understand Transportation Problems	Decision making	L2/L5	PO3/PO4/PO5



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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	VI	INDIAN ETHOS

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and concept of Indian Ethos in Management	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify Techniques of Stress Management	Analytical	L2/L4	PO2
CO3	The ability to classify, to apply To link the Traditional Management System to Modern Management Sy	Problem Solving	L3/4	PO2 PSO2
CO4	The ability Determine and to understand the Evolution of Learning Systems in India	Decision making	L2/L5	PO3/PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	VI	HRM IN GLOBAL PERSPECTIVE

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The ability to define and concept - Meaning and Features, Objectives, Evolution of IHRM, Reasons for Emergency of IHRM, Significance of IHRM in International Business	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify, to understand the concepts, theoretical framework, and issues of HRM in Global Perspective	Analytical	L2/L4	PO2
CO3	The ability to classify, to apply to find out the impact of cross culture on Human Resource Management	Problem Solving	L3/14	PO2/PO3 PSO2
CO4	The ability Determine and to understand International HRM Trends and Challenge	Decision making	L2/L5	PO3/PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
Bachelors in Management Studies	VI	Retail Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the concepts of Retail Management. Retail strategy	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to analyse the knowledge of Retail Consumer, Merchandise management and Pricing	Critical Thinking	L4	PO2
CO3	Ability to examine types of pricing used in Retail Management	Analytical	L3	PO2
CO4	Ability to develop knowledge related to Retail store management	Decision making	L5	PO4
CO5	Ability to create awareness of Store design and Layout and as well as Visual Merchandise	Teamwork	L6	PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	VI	HRM IN SERVICE SECTOR MANAGEMENT

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define and concept and growing importance of HRM in service sector	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify and understand the significance of human element in creating customer satisfaction through service quality	Analytical	L2/L4	PO2
CO3	The ability to solve, to apply the HRP Evaluation, Attrition, Retention & GlobalizationS	Problem Solving	L3/14	PO2 PSO2
CO4	The ability Determine and to understand the Issues and Challenges of HR in various service sector	Decision making	L2/L5	PO3/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	VI	ORGANIZATIONAL DEVELOPMENT

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define and concept Meaning, Features, Evolution, Components, Objectives, Principles, Process, Importance	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify to get an Understanding of Phases of OD Programme	Analytical	L2/L4	PO2 PSO2
CO3	The ability to classify, to apply and get an Insight into Ethical Issues in OD	Problem Solving	L3/4	PO2
CO4	The ability Determine and to understand, to Study the OD Intervention to meet the Challenges faced in the Organisation	Decision making	L2/L5	PO3/PO4

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	VI	BRAND MANAGEMENT

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define and concept, meaning and significance of Brand Management	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify Planning and Implementing Brand Marketing Programs	Analytical	L2/L4	PO2 PSO2
CO3	The ability to classify, to apply and to Know how to build, sustain and grow brand	Problem Solving	L3/l4	PO2
CO4	The ability Determine and to understand the various sources of brand equity	Decision making	L2/L5	PO3/PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	VI	INTERNATIONAL MARKETING

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define and concept of international Marketing, its Advantages and Challenges	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and determine Developments in International Marketing	Analytical	L2/L4	PO2
CO3	The ability to classify, to provide an insight on the dynamics of International Marketing Environment	Problem Solving	L3/4	PO2 PSO2
CO4	The ability Determine and to understand the relevance of International Marketing Mix decisions and recent developments in Global Market	Decision making	L2/L5	PO3/PO4/PO5

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**Course Outcomes:**

Department	Semester	Course Name
BACHELOR OF MANAGEMENT STUDIES	VI	MEDIA PLANNING & MANAGEMENT

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The ability to define and concept understand Media Planning, Strategy and Management with reference to current business scenario	Intellectual	L1/L2	PO1 PSO1
CO2	The ability to understand and classify, know the basic characteristics of all media to ensure most effective use of advertising budget	Analytical	L2/L4	PO2
CO3	The ability, to apply, to provide an insight on Media Planning, Budgeting, Scheduling and Evaluating the Different Media Buys	Problem Solving	L3/4	PO2
CO4	The ability Determine and to understand Media Budgeting, Buying & Scheduling	Decision making	L2/L5	PO3/PO4



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## M.Com in Accounting & Finance

### Programme Specific Outcomes

PSO1	Students gain conceptual clarity in strategic management, economics and cost and management-oriented terms and hence become capable to take strategic decisions in business, apply the principles of economics and techniques of costing and prepare budgetary financial reports.
PSO2	Students gather knowledge on the various tools of research and macro-economic policies. They gain an understanding to analyse the financial statements and select the appropriate source of raising capital.
PSO3	Students become updated with the different statutory requirements of preparing financial statements, accounting standards, filing income tax returns and awareness about GST provision. Further they are able to compute the taxable income, calculate transfer pricing methods in costing, consolidate the financial statements and make appropriate financial decisions. They also become competent and efficient to undertake research.

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**Course Outcomes:**

Department	Semester	Course Name
M.Com in Advanced Accountancy	I	Strategic Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the Strategic Management, Strategy formulation, implementation and evaluation, Business, Corporate and Global Strategies, Emerging Strategic Trends	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to examine Strategic Formulation and alternatives, Strategic choices, Strategic Implementation, Strategic Evaluation and control, Budgetary control, ETOP	Critical Thinking	L3	PO2 PSO1
CO3	Ability to analyse the corporate restructuring, Corporate Renewal, Strategic Alliance, Problems and governing strategies of PPP, Information Driven strategies.	Analytical Skill Development	L4	PO2 PSO1
CO4	Ability to determine Business Process Outsourcing, Knowledge Process Outsourcing, Reengineering Business Processes, Disaster Management, Start-up Business Strategies and Make in India Model	Decision making Skill Development	L5	PO3 PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
M.Com in Advanced Accountancy	I	Economics For Business Decisions

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	To identify the microeconomic tools and find their application in day-to-day business.	Intellectual	L1/L2	PO1 PSO1
CO2	To demonstrate the functioning of market and examine the market behaviour with critical economic thinking.	Critical Thinking	L3	PO2 PSO1
CO3	To provide an insight into application of economic principles in business decision in order to widen the analytical ability of the students.	Analytical	L4	PO2 PSO1
CO4	To evaluate the price-output decisions based on appropriate market structures.	Decision making, Skill Development	L5	PO3 PO4 PO5 PSO1

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### Course Outcomes:

Department	Semester	Course Name
M.Com in Advanced Accountancy	I	Cost and Management Accounting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain the concepts of marginal costing, absorption costing, standard costing, operating costing, budgetary control.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to apply the techniques of costing in decision making and prepare the statement of operating cost per unit and types of budgets.	Critical thinking/ Decision making skill/ Skill Development	L3	PO2 PO3 PO4 PSO1
CO3	Ability to analyse, classify & prepare the different types of budgets.	Analytical skill Skill Development	L4	PO2 PO4 PSO1
CO4	Evaluate the reason for variances by comparing the standard cost with actual cost	Critical thinking Skill Development	L5	PO2 PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
M.Com in Advanced Accountancy	I	Business Ethics and CSR

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Recognise various Ethical approaches and its significance with respect to various ethical theory	Intellectual	L1/L2	PO1 PSO1
CO2	Apply tools and ideas acquired during the course to practical Indian Ethical Practices and Corporate Governance	Critical Thinking	L3	PO2 PSO1
CO3	Able to explain the importance, scope and functions of Corporate social responsibility towards the Society and various stakeholders.	Analytical	L4	PO2 PSO1
CO4	Determine different areas of CSR and its Policy	Decision making, Skill Development	L5	PO3 PO4 PSO1

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**Course Outcomes:**

Department	Semester	Course Name
M.Com in Advanced Accountancy	II	Research Methodology

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of research and research analysis	Intellectual, Research Aptitude	L1/L2	PO1 PSO2
CO2	Ability to analyse data collection and processing	Critical Thinking  Research Aptitude	L4	PO2 PO5 PSO2
CO3	Ability to examine data analysis and interpretations and research report	Analytical  Research Aptitude	L3	PO2 PO5 PSO2
CO4	Ability to develop the knowledge advanced statistical techniques for data collection	Decision making  Research Aptitude	L5	PO3 PO5 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
M.Com in Advanced Accountancy	II	Macroeconomics: Concepts and Applications

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	To identify the macroeconomic tools and understand the national income concepts.	Intellectual	L1/L2	PO1 PSO2
CO2	To demonstrate the functioning of the economy and to critically evaluate the nature of inflation with changing aggregate demand.	Critical Thinking	L3	PO2 PSO2
CO3	To provide an insight into goods and money market and role of fiscal and monetary policies in order to widen the analytical ability of the students.	Analytical	L4	PO2 PSO2
CO4	To evaluate the economic wellbeing based on foreign trade and balance of payment .	Decision making, Skill Development	L5	PO3 PO4 PSO2

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### Course Outcomes:

Department	Semester	Course Name
M.Com in Advanced Accountancy	II	Corporate Finance

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain the concepts of time value of money, cost of capital, capital structure theories, business risk and financial risk, dividend, leverages and ratios.	Intellectual	L1/L2	PO1 PSO2
CO2	Ability to apply the techniques of discounting & compounding in calculating the present value, future value and bond value.	Critical thinking/ Skill Development	L3	PO2 PO4 PSO2
CO3	Ability to do EBIT- EPS analysis and ratio analysis	Analytical skill/ Skill Development	L4	PO2 PO4 PSO2
CO4	Ability to determine the weighted average cost of capital, marginal cost of capital	Critical thinking/ Skill Development	L5	PO2 PO4 PSO2
CO5	Ability to make financial decisions using cost of capital and capital structure theories.	Decision making/ Skill Development	L6	PO3 PO4 PSO2



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**Course Outcomes:**

Department	Semester	Course Name
M.Com in Advanced Accountancy	II	E-Commerce

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Assess e commerce requirement of a business	Intellectual	L1/L2	PO1 PSO2
CO2	Demonstrate applications of E-Commerce in World Wide Web	Critical Thinking	L3	PO2 PSO2
CO3	Analyse various e-marketing strategies and various modes of e-payment viability	Analytical	L4	PO2 PSO2
CO4	Determine Legal and Regulatory Environment and Security issues of E-commerce	Decision making, Skill Development	L5	PO3 PO4 PSO2

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### Course Outcomes:

Department	Semester	Course Name
M.Com in Advanced Accountancy	III	Advanced Financial Accounting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand concepts of foreign currency transactions, statutory requirements of banking companies, insurance companies and cooperative societies	Intellectual	L1	PO1 PSO3
CO2	Ability to summarise and explain the concepts of NPA and statutory requirements of banking companies and cooperative societies.	Intellectual	L2	PO1 PSO3
CO3	Ability to prepare and analyse final accounts of banking companies, insurance companies and cooperative societies	Problem solving	L4	PO2 PSO3
CO4	Ability to measure and evaluate the impact of changes in foreign exchange rates	Critical thinking/ Skill Development	L5	PO2 PO4 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
M.Com in Advanced Accountancy	III	Direct Tax

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain the concepts of a person, previous year, assessment year, assesses residential status and scope of total income	Intellectual	L1	PO1 PSO3
CO2	Ability to plan investments reduce tax liability	Intellectual	L2	PO1 PSO3
CO3	Ability to classify the incomes as exempt and taxable, expenses as allowable and disallowable under the Income Tax Act	Problem solving	L4	PO2 PSO3
CO4	Ability to determine the tax liability of a person from the various heads of Income	Critical thinking/ Skill Development	L5	PO2 PO4 PSO3

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### Course Outcomes:

Department	Semester	Course Name
M.Com in Advanced Accountancy	III	Advanced Cost Accounting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of process costing, activity-based costing, transfer pricing, target costing, responsibility accounting, inflation accounting.	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to apply the methods of allocating central costs using direct method, step down method & reciprocal method. Prepare the statement of cost per unit using ABC costing, compute inter process profit and equivalent production using WACC & FIFO method.	Critical Thinking/ Skill Development	L3	PO2 PO4 PSO3
CO3	Ability to analyse & prepare the managerial reports using segmented cost & controllable costs approach.	Analytical/ Skill Development	L4	PO2 PO4 PSO3
CO4	Ability to evaluate the strategic cost management techniques such as transfer pricing, target costing & current purchasing power.	Decision making/ Skill Development	L5	PO3 PO4 PSO3

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### Course Outcomes:

Department	Semester	Course Name
M.Com in Advanced Accountancy	IV	Corporate Financial Accounting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of financial reporting, IFRS, amalgamation & merger, standalone financial statements, consolidated financial statements.	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to apply the methods of valuation of business for amalgamation & merger.	Critical thinking/ Skill Development	L3	PO2 PO4 PSO3
CO3	Ability to analyse the procedure of consolidation of balance sheet & profit & loss account. Prepare the consolidated financial statement.	Analytical skill/ Skill Development	L4	PO2 PO4 PSO3
CO4	Ability to evaluate the applicability, interpretation, scope & compliance of accounting standards & Ind-AS	Critical thinking/ Decision making/ Skill Development	L5	PO2 PO3 PO4 PSO3

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### Course Outcomes:

Department	Semester	Course Name
M.Com in Advanced Accountancy	IV	Indirect Tax

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand concepts of Inter state supply, intra state supply, forward charge mechanism, reverse charge mechanism	Intellectual	L1	PO1 PSO3
CO2	Ability to calculate aggregate turnover for registration of taxable person, plan the net tax liability of a taxable person	Intellectual	L2	PO1 PSO3
CO3	Ability to classify the supplies as non-taxable supplies and taxable supplies, analyse the effective date of registration for issue of revised invoice	Problem solving	L4	PO2 PSO3
CO4	Ability to decide when and how to avail input tax credits and thereby reduce the net tax liability	Critical thinking/ Skill Development	L5	PO2 PO4 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
M.Com in Advanced Accountancy	IV	Financial Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of financing, capital budgeting, working capital, types of budget & financial policy.	Intellectual	L1/L2	PO1 PSO3
CO2	Ability to apply the capital budgeting techniques in investment decisions.	Critical thinking	L3	PO2 PSO3
CO3	Ability to analyse, classify & prepare different types of budgets.	Analytical	L4	PO4 PSO3
CO4	Ability to estimate the working capital requirement.	Decision making Skill development	L5	PO3 PO4 PSO3

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### Course Outcomes:

Department	Semester	Course Name
M.Com in Advanced Accountancy	III & IV	Project Work

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and describe the objective of the topic of study.	Intellectual, Research Aptitude	L1/L2	PO1 PO5 PSO3
CO2	Ability to review and examine the different literatures, analyse data collected.	Critical thinking, Research Aptitude	L3	PO2 PO5 PSO3
CO3	Ability to collect and categorize data.	Analytical Research Aptitude	L4	PO2 PO5 PSO3
CO4	Ability to conclude and recommend solutions under the topic of study.	Decision making, Research Aptitude	L5	PO3 PO5 PSO3
CO5	Ability to develop a questionnaire and produce research report.	Skill Development, Research Aptitude	L6	PO4 PO5 PSO3



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**Programmes under the Faculty of Arts**

- Bachelor of Arts
- Bachelor of Arts in Multimedia and Mass Communication
- Master of Arts in Hindi

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**Bachelor of Arts (BA)**  
**Programme Specific Outcomes:**

**PSO1 – Knowledge of humanities**

- An ability to understand subject specific concepts, theories and literature.

**PSO2 – Application in real life**

- An ability to apply subject knowledge in day-to-day life and relate to real world.

**PSO3 – Develop skills and values.**

- To develop skills and values through different subjects of humanities

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### Course Outcomes:

Department	Semester	Course Name
Foundation Course	I	FC-I

CO No.	Course Outcomes	Skill	Bloom's Level	PO, PSO
CO1	Ability to define, understand and explain the basic concepts of- Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values and aspects of Political Processes	Intellectual	L1/L2	PO1
CO2	Ability to analyse- the diverse Indian society, existing inequalities and disparities in Indian Society, the Indian Constitution, Values and aspects of Political Processes.	Analytical	L4	PO2, PO3, PO4
CO3	Ability to apply the foundational knowledge in- solving personal and social problems related to diversity, inequalities, disparities, the Indian Constitution, Values and aspects of Political Processes.	Problem Solving	L3	PO2, PO3, PO4, PO5
CO4	Ability to evaluate - Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values, aspects of Political Processes and Political situation.	Decision making	L5	PO2, PO3, PO4, PO5

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**Course Outcomes:**

Department	Semester	Course Name
English	I	Communication Skills in English

CO No.	Course Outcomes	Skill	Bloom's Level	PO / PSO
CO1	Ability to define, understand & explain various English language usages	Intellectual	L1/L2	PO 1 PSO 1
CO2	Ability to apply enhanced language proficiency to reading and writing skills	Problem solving	L3	PO 2 PSO 3
CO3	Ability to analyse the functional aspects of language	Analytical	L4	PO 3 PSO 3
CO4	Ability to evaluate the correct usage of English language	Decision making	L5	PO 4 PSO 2
CO5	Ability to create various documents in English language such as essays, letters, emails, reports and creative writing etc.	Leadership/ Management/ Communication	L6	PO 5 PSO1 PSO2 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Hindi	I	Hindi Compulsory

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students able to define, understand & explain various aspects of language.	Intellectual	L1 L2	PO1 PSO1
CO2	Students learn values through stories examples :- Pralay Ki Ratri, Prashyachit. They learn to solve their life problems.	Problem solving	L3	PO2 PSO3 PSO1
CO3	Students execute the use of language and grammar for functional aspect and analyse.	Analytical	L4	PO2 PSO2
CO4	Students develop the ability to think about socio-political and economic problems through stories eg. :- Nishkashit and takes proper decision from literary experiences.	Decision making	L5	PO4 PSO3
CO5	Students implement the tools that would help them communicate effectively which transform in to the competent human resource.	Communication	L6	PO3 PSO1 PSO2

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**Course Outcomes**

Department	Semester	Course Name
Economics	I	Economics-I Microeconomics

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain meaning, scope and basic concepts of microeconomics.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to apply, demonstrate and examine ten principles of Economics in real life.	Problem solving	L3	PO2/PSO2
CO3	Ability to develop analytical skills about determination of equilibrium market price.	Skill development	L4	PO4/PSO3
CO4	Ability to measure, forecast and determine consumer's equilibrium.	Decision making	L5	PO3/PSO1/PSO2
CO5	Ability to develop equations to extract equilibrium price and output.	Research aptitude	L6	PO5/PSO2/PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Hindi	I	Hindi Ancillary.

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students define, understand & explain different forms of Hindi Prose.	Intellectual	L1 L2	PO 1 PSO 1
CO2	Students apply literature to understand various emotions of life. It builds an Emotional Quotient in various social situations.	Analytical	L3	PO 2 PSO2 PSO3
CO3	Students analyses and relates the literature to real life conditions and able to understand people and situations differently.	Analytical	L4	PO 2 PSO2
CO4	Students evaluates and takes proper decision from literary experiences.	Decision making	L5	PO 4 PSO3
CO5	Student formulates good communication skills and develop writing skills to write stories and poems.	Communication	L6	PO 3 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Political Science	I	Political Science-I (Indian Political System)

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student understands & explains historical background, philosophy, principles, basic structure of Indian Constitution, Fundamental Rights & Directive Principles of state policy.	Intellectual	L1 L2 L4 L6	PO1 PO2 PSO1 PSO2
CO2	Student applies & examines Indian political system, governing institutions, policymaking process.	Problem solving	L3 L2 L4	PO2 PO3 PSO1 PSO2
CO3	Student categories & classifies fundamental rights, Directive principles of state policy & powers and functions of Legislature, Executive & Judiciary.	Analytical	L4 L2 L3	PO1 PO2 PO4 PSO2 PSO3
CO4	Student evaluates Local Self government	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops interest in Indian politics	Research	L3 L5 L6	PO5 PSO2 PSO3



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**Course Outcomes:**

Department	Semester	Course Name
History	Semester II	Paper I History of Modern India (1857-1947)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand & explain the different terms, events related to Modern Indian history.	Intellectual breadth	L1/L2	PO1 PSO1
CO2	The Students develops the ability to critically analyse the impact of various historical events and personalities and tries to solve problems by drawing lessons from the past.	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the aability to assess the role and causes of various events and personalities and decides about their positive and negative impact.	Decision making	L4	PO2 PSO2
CO4	Student acquires the skill to communicate and learns about various issues to related Modern Indian History	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to find more information about Modern Indian Historical events through field trips to historical places and museums	Research Aptitude	L6	PO5 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Department of Psychology	I	Psychology-I Paper Fundamentals of Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student understands & explains basic concepts in Psychology and modern trends in Psychology.	Intellectual	L1 L2 L4 L6	PO1 PO2 PSO1 PSO2
CO2	Student applies & examines basic concepts in Psychology to their day-today setting.	Problem solving	L3 L2 L4	PO2 PO3 PSO1 PSO2
CO3	Student understands people and situation differently due to the broad application of Psychological concepts.	Analytical	L4 L2 L3	PO1 PO2 PO4 PSO2 PSO3
CO4	Student evaluates Psychological concepts and its application.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops interest in Psychology	Research	L3 L5 L6	PO5 PSO2 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Foundation Course	II	Foundation Course- II

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand and explain the concepts of- LPG, Farmers suicide, ICT, Migration, Human Rights, Environment, Ecological Issues, Sustainable development, Stress and Conflict's-its types, causes, effects and mechanisms for resolving and coping, Socialisation, Ethics & Values, Hierarchy of Needs	Intellectual	L1/L2	PO1 PO2
CO2	Ability to analyse- Indian Society and Economy after LPG, Migration, ICT, issues related to Human Rights, Ecological concerns, Sustainable development, Stress, Conflict, Ethics & Values, Hierarchy of Needs , Socialisation	Analytical & Management	L4	PO2 PO3 PO4 PO5
CO3	Ability to apply the knowledge of – LPG, Migration, ICT, UDHR, Human Rights & Indian Constitution, Sustainable development, to resolve Stress and Conflicts, Socialisation, Ethics & Values, Hierarchy of Needs	Problem Solving	L3	PO2 PO3 PO4 PO5
CO4	Ability to evaluate - LPG, Migration, ICT, Human Rights issues, ecological concerns, Sustainable development, Stress and Conflicts, Ethics & Values, Hierarchy of Needs, Socialisation	Decision making	L5	PO2 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
English	II	Communication Skills in English

CO No.	Course Outcomes	Skill	Bloom's Level	PO / PSO
CO1	Ability to define, understand & explain various English language usages	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to apply enhanced language proficiency to reading and writing skills	Problem solving	L3	PO2 PSO3
CO3	Ability to analyse the functional aspects of language	Analytical	L4	PO3 PSO3
CO4	Ability to evaluate the correct usage of English language	Decision making	L5	PO4 PSO2
CO5	Ability to create various documents in English language such as essays, letters, emails, reports and creative writing etc.	Leadership/ Management/ Communication	L6	PO5 PSO1 PSO2 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Hindi	II	Hindi Compulsory

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The learner displays orientation towards the functional aspects of language.	Intellectual	L1 L2	PO1 PSO1
CO2	Students applies writing skills in various forms like letter writing, Essay writing on social issues to bring change in the society with solution.	Problem solving	L3	PO2 PSO2 PSO3
CO3	Student analyses various forms of literature through reading and writing.	Analytical	L4	PO2 PSO2
CO4	Student evaluates and takes proper decision by implementing thoughts they gain from literature.	Decision making	L5	PO4 PSO2
CO5	Students learn best use of language and use it in communication, write ups etc.	Communication	L6	PO3 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Economics	II	Microeconomics: PAPER I

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain meaning, of production, cost, revenue and features of market structures.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to construct, calculate, demonstrate and solve cost, revenue and profits.	Problem solving	L3	PO2/PSO2
CO3	Ability to develop skill to simplify, articulate and analyse equilibrium price determination of factors of production.	Skill development	L4	PO4/PSO3
CO4	Ability to evaluate different market structures.	Decision making	L5	PO3/PSO1/PSO2
CO5	Ability to evaluate market equilibrium.	Research aptitude	L6	PO5/POS2/POS3

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**Course Outcomes:**

Department	Semester	Course Name
Hindi	II	Hindi Ancillary.

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students define and explain different forms of Hindi literature.	Intellectual	L1 L2	PO 1 PSO1
CO2	Students enhance reading and writing skills. They develop ability to builds an Emotional Quotient in various social situation.	Analytical	L3	PO 2 PSO2 PSO3
CO3	Students relates stories to real life and act accordingly to analyse their present situations.	Analytical	L4	PO 2 PSO2
CO4	Students evaluates and takes proper decision from literary experiences.	Decision making	L5	PO 4 PSO1 PSO2
CO5	Students develops understanding about human nature and holds the key opinion in formation to create awareness about social issues.	Communication	L6	PO 3 PSO1 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Department of Political Science	II	Indian Political Process

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student describes & explains the centre state relations, changing dynamics of centre state relations, Political Parties, Role of Caste, Gender & religion in Politics.	Intellectual	L1 L2	PO1 PO2 PSO1 PSO2
CO2	Student analyses & examines Indian National and Regional political parties, role of Caste, Gender & religion in Politics.	Problem solving	L2 L3 L4	PO2 PO3 PSO1 PSO2
CO3	Student analyses & evaluate electoral performance of national and regional political parties, causes of criminalization of politics and gender, religion & caste in Indian Politics.	Analytical	L1 L2 L4	PO1 PO2 PO4 PSO2 PSO3
CO4	Student measures the causes of low participation of women, communalism naxalim and global terrorism.	Decision making	L4 L5	PO3 PO4 PSO3 PSO4
CO5	Student formulates/ reconstruct his/her view on terrorism, communalism, naxalism &.	Research	L4 L5 L6	PO4 PO5 PSO3 PSO4



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**Course Outcomes:**

Department	Semester	Course Name
History	II	History of Modern India (Society and Economy)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand & explain the different terms, events related to Modern Indian history.	Intellectual breadth	L1/L2	PO1 POS2
CO2	The Students develops the ability to critically evaluate the impact of various historical events and personalities and tries to solve problems by drawing lessons from the past.	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the aability to assess the role and causes of various events and personalities and decide about their positive and negative impact.	Decision making	L4	PO2 PSO2
CO4	Student acquires the skill to communicate his views about various issues related to socio –economic history of modern Indian History	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to find more information about socio–economic history of about Modern India through field trips to historical places and museums	Research Aptitude	L6	PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	II	Fundamentals of Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student describes & explains concepts such as personality, intelligence, language, motivation, emotions, statistics.	Intellectual	L1 L2	PO1 PO2 PSO1 PSO2
CO2	Student analyses & examines theories of personality, language, intelligence, motivation and emotion.	Problem solving	L2 L3 L4	PO2 PO3 PSO1 PSO2
CO3	Student analyses & evaluate theories and concepts of personality, language, intelligence, motivation and emotion.	Analytical	L1 L2 L4	PO1 PO2 PO4 PSO2 PSO3
CO4	Student measures and apply broad understanding of Psychology in day-to-day life.	Decision making	L4 L5	PO3 PO4 PSO3 PSO4
CO5	Student develops interest in key concepts of Psychology.	Research	L4 L5 L6	PO4 PO5 PSO3 PSO4

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### Course Outcomes:

Department	Semester	Course Name
Foundation Course	III	Foundation Course- III

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to identify the issues related to Fundamental Rights, Environmental Concerns, Human Rights, Science, Technology, Sustainable development, Soft skills and Interpersonal communication	Intellectual	L1/L2	PO1
CO2	Ability to apply in practical issues –related to Fundamental Rights, Environmental Concerns. Human Rights, Science, Technology, Sustainable development, Soft skills and Interpersonal communication	Team Work/ Problem Solving	L3	PO2 PO3 PO4 PO5
CO3	Ability to analyse various situations in - Fundamental Rights, Environmental Concerns. Human Rights, Science, Technology, Sustainable development, Soft skills and Interpersonal communication	Analytical	L4	PO2 PO3 PO4 PO5
CO4	Ability to evaluate and decide in circumstantial problems related to- Fundamental Rights, Environmental Concerns. Human Rights, Science, Technology, Sustainable development, Soft skills and Interpersonal communication	Decision making	L5	PO2 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
English	III	Mass Communication

CO No.	Course Outcomes	Skill	Bloom's Level	PO / PSO
CO1	Ability to define, understand & explain major aspects of communication and mass communication	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to apply a critical understanding of the Mass Media with regard to their presentation formats, roles and audiences to the specific Indian context	Problem solving	L3	PO2 PSO3
CO3	Ability to analyse special roles of different Mass Media in India through a critical understanding and a broad perspective on the past and the present status of Mass Media in India	Analytical	L4	PO3 PSO2
CO4	Ability to evaluate the contribution of Indian mass media to national development	Decision making	L5	PO4 PSO2
CO5	Ability to create for oneself an attractive job profile and promising career opportunity in media industry through creative writing	Leadership/ Management/ Communication	L6	PO5 PSO3

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**Course Outcomes**

Department	Semester	Course Name
Environmental Studies	III	Travel & Tourism-I

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the various concepts of travel and tourism industry, its evolution, significance, scope, motives, growth and use of social & electronic media	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to examine the various factors influencing tourism and the services and facilities required in travel & tourism industry	Critical Thinking	L3	PO2 PSO1
CO3	Ability to examine the services and facilities required in travel & tourism industry including infrastructure, safety and ancillary services	Critical Thinking	L3	PO2 PSO1
CO4	Ability to analyse the impact of travel & tourism on society, culture, economy & environment	Analytical/ Research Aptitude	L4	PO2 PO3
CO5	Ability to evaluate the aspect sustainable tourism for better management in travel and tourism	Problem solving/ Decision making	L5	PO2 PO3 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Economics	III	Macroeconomics: PAPER-II

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain basic concepts of macroeconomics.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to calculate consumption and investment.	Problem solving	L3	PO2/PSO2
CO3	Ability to develop analytical skill to analyse different theories of saving , investment , demand for money and supply of money	Skill development	L4	PO4/PSO3
CO4	Ability to evaluate about working of banking system and policies of central bank and government.	Decision making	L5	PO3/PSO1/PSO2
CO5	Ability to search, evaluate and present information in relation to various macroeconomic variables.	Research aptitude	L6	PO5/POS2/POS3

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### Course Outcomes:

Department	Semester	Course Name
Economics	III	Paper-III Public Finance

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain understand basic concepts of public finance	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to apply fiscal policy with respect to budget and taxation.	Problem solving	L3	PO2/PSO2
CO3	Ability to develop skills to analyse Indian Public finance.	Skill development	L4	PO4/PSO3
CO4	Ability to evaluate public revenue, public expenditure, debt and union budget.	Decision making	L5	PO3/PSO1/PSO2
CO5	Ability to present information given in the budget document in an understandable manner	Research aptitude	L6	PO5/POS2/POS3

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**Course Outcomes:**

Department	Semester	Course Name
Hindi	III	Hindi Paper II.

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student recognise different Poetic styles.	Intellectual	L1/L2	PO1 PSO1
CO2	Student examines the framing of ideas into perfect words.	Problem solving	L3	PO2 PSO2 PSO3
CO3	Student simplifies complex poetic forms into prose analysis.	Analytical	L4	PO3 PSO2 PSO3
CO4	Student evaluates and takes proper decision from literary experiences.	Decision making	L5	PO4 PSO2 PSO3
CO5	Student develops a deeper humanitarian sense to face the situation in real life.	Leadership/ Management/ Communication	L6	PO5 PSO2 PSO3



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### Course Outcomes:

Department	Semester	Course Name
Hindi	III	Hindi Paper III.

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students define, understand & explain different forms of functional Hindi.	Intellectual	L1 L2	PO1 PSO1
CO2	Student able to apply and explain key concepts of functional hindi, they demonstrate the writing skills.	Critical thinking	L3	PO2 PSO3
CO3	Students analyse and classify different translation forms and conclude with perfect writing.	Analytical	L4	PO2 PSO3
CO4	Students evaluate and analyse Journalism and categories to classify different translation forms and conclude with perfect writing.	Decision making	L5	PO4 PSO3
CO5	Students explain, describe, technical terminology and appraise. They expand the writing skills from theory to practical.	Communication	L6	PO3 PSO2 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Political Science	III	Principles and Concepts of Political Theory

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student defines, Explains Principles and concepts of Political Theories.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines & Classifies various approaches, principles and concept of political theory.	Problem solving	L2 L3 L4	PO2 PSO1
CO3	Student analyses & categories power, authority, legitimacy, law, state, nation & nation state & Political obligation.	Analytical	L2 L3 L4	PO2 PSO2 PSO3
CO4	Student evaluates state, nation, civil society, power, authority, legitimacy & right to resistance.	Decision making	L3 L4 L5	PO4 PSO2 PSO3
CO5	Student develops interest in civil society	Research	L4 L5 L6	PO4 PO5 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Political Science	III	Public Administration

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student defines/explains public administration, theories of administration, basic principles, theories of organization, contemporary techniques and practices in administration.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines Public Administration, various theories of administration, basic principles and theories of organization.	Problem solving	L2 L3 L4	PO1 PO2 PSO1
CO3	Student categories basic principles and theories of organisation and administration.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates organisation, administration, Good Governance and E- Governance.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3

CO5	Student determines the impact of Liberalisation, Privatisation and Globalisation on Public administration	Research	L3 L4 L5 L6	PO4 PO5 PSO1 PSO3
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### Course Outcomes:

Department	Semester	Course Name
History	III	History Paper -II (Landmarks in World History (1453-1945))

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand & explain was developed and they understood different definitions and concepts related to modern World history	Intellectual breadth	L1/L2	PO1 POS 2
CO2	Students develops the aability to critically analyse the impact of various historical events like Renaissance ,Reformation French Revolution, American Revolution, Imperialism, First World War and critically think about various personalities and tries to analyze current events by drawing examples from the past	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the ability to evaluate the role and causes of various events and personalities and decide about their positive and negative impact.	Decision making	L4	PO2 PSO2
CO4	Student acquires the skill to communicate his views about various issues related to major events in world history	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to find more information about major events in world History through field trips to historical places and museums	Research Aptitude	L6	PO5 PSO3

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### Course Outcomes:

Department	Semester	Course Name
History	III	History Paper -III (History of Ancient India (From Earliest Times to 1000 A.D.))

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand & explain different definitions and concepts related to Ancient Indian History.	Intellectual breadth	L1/L2	PO1 POS2
CO2	Students develops the aability to analyse various historical events of ancient India like for e.g. rise and decline of Indus Valley, Vedic age, Rise of Jainism and Buddhism , Impact of Persian and Greek Invasion etc.	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the ability to analyse the causes and factors of various events like decline of Indus Valley, rise of Jainism and Buddhism etc. and decides about their impact	Decision making	L4	PO2 PSO2
CO4	Students develops the ability to express views about the role and causes of various events and personalities	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to find more new information about ancient India like for e.g. civilizations like Indus valley, Vedic age , rise of Jainism, Buddhism etc through field trips to historical places and museums	Research Aptitude	L6	PO5 PSO 3

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### Course Outcomes:

Department	Semester	Course Name
Department of Psychology	III	Developmental Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student defines/explains lifespan development, theories of physical, cognitive, personality and social development.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines various theories of development in Adolescence.	Problem solving	L2 L3 L4	PO1 PO2 PSO1
CO3	Student categories basic principles and theories of development in lifespan.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates development of adolescence in physical, cognitive, personality and social aspects In Indian context.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student determines the impact the various factor in lifespan development.	Research	L3 L4 L5 L6	PO4 PO5 PSO1 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Department of Psychology	III	Social Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student defines, Explains Principles and concepts of Social Psychology.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines & Classifies various approaches, principles and concept of Social Psychology.	Problem solving	L2 L3 L4	PO2 PSO1
CO3	Student analyses and understands basics of social psychology such as, social perception, attribution and attitude.	Analytical	L2 L3 L4	PO2 PSO2 PSO3
CO4	Student evaluates and applies various concepts, principals and theories to gain better understanding in Indian context.	Decision making	L3 L4 L5	PO4 PSO2 PSO3
CO5	Student develops interest in social psychology.	Research	L4 L5 L6	PO4 PO5 PSO1 PSO3



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### Course Outcomes:

Department	Semester	Course Name
Foundation Course	IV	Foundation Course- IV

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to recognise and describe the Fundamental Civic Rights, Approaches to Ecological Understanding, International Environmental Protocols, Science, Modern Technology, ICT, Competitive exams and Soft Skills	Intellectual	L1	PO1
CO2	Ability to distinguish and summarise issues related to - Fundamental Civic Rights, Approaches to Ecological Understanding, International Environmental Protocols, Science, Modern Technology, ICT, Competitive exams and Soft Skills	Critical thinking	L2	PO2 PO3 PO4 PO5
CO3	Ability to simplify the complex issues in Fundamental Civic Rights, Approaches to Ecological Understanding, International Environmental Protocols, Science, Modern Technology, ICT, Competitive exams and Soft Skills	Problem Solving	L3/L4	PO2 PO3 PO4 PO5
CO4	Ability to recommend the suggestions in the field of- Fundamental Civic Rights, Approaches to Ecological Understanding, International Environmental Protocols, Science, Modern Technology, ICT, Competitive exams and Soft Skills	Decision making	L5	PO2 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
English	IV	Mass Communication

CO No.	Course Outcomes	Skill	Bloom's Level	PO / PSO
CO1	Ability to define, understand & explain major aspects of communication and mass communication	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to apply a critical understanding of the Mass Media with regard to their presentation formats, roles and audiences to the specific Indian context	Problem solving	L3	PO2 PSO3
CO3	Ability to analyse special roles of different Mass Media in India through a critical understanding and a broad perspective on the past and the present status of Mass Media in India	Analytical	L4	PO3 PSO2
CO4	Ability to evaluate the contribution of Indian mass media to national development	Decision making	L5	PO4 PSO2
CO5	Ability to create for oneself an attractive job profile and promising career opportunity in media industry through creative writing	Leadership/ Management/ Communication	L6	PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Environmental Studies	IV	Travel & Tourism-II

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the concepts of planning, marketing, organization, agencies and policies in tourism	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to examine role of planning, marketing, travel agencies, tourism documentation, tourism organizations, tourism policies in tourism	Critical thinking, Leadership Qualities	L3	PO2, PSO1 PSO2
CO3	Ability to examine the social responsibility and ethics in tourism	Critical Thinking,	L3	PO2 PSO1
CO4	Ability to relate the working of travel agencies, tour operators and tourism organisations in tourism business	Analytical	L4	PO3 PSO2 PSO3
CO5	Ability to evaluate policies for tourism development	Decision making	L5	PO3 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Economics	IV	Paper-II Macroeconomics:

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain concept of inflation, post Keynesian economics, and external sector	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to demonstrate about working of external sector.	Problem solving	L3	PO2/PSO2
CO3	Ability to develop analytical skills about inflation and its effect on economy.	Skill development	L4	PO4/PSO3
CO4	Ability to evaluate economic policies.	Decision making	L5	PO3/PSO1/PSO2
CO5	Ability to search, evaluate and present information in relation to various macroeconomic variables.	Research aptitude	L6	PO5/POS2/POS3

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**Course Outcomes:**

Department	Semester	Course Name
Economics	IV	Paper-III Indian Economy

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain features of Indian economy and its various sectors such as agriculture, industry and service.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to apply in finding problems of various sectors of Indian in Indian economy.	Problem solving	L3	PO2/PSO2
CO3	Ability to develop analytical skills to analyse role of various sectors of Indian in Indian economy.	Skill development	L4	PO4/PSO3
CO4	Ability to evaluate governments initiatives / schemes in Indian economy.	Decision making	L5	PO3/PSO1/PSO2
CO5	Ability to extract and present information about various sectors of the Indian economy , statistics of Indian economy.	Research aptitude	L6	PO5/POS2/POS3

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**Course Outcomes:**

Department	Semester	Course Name
Hindi	IV	Hindi Paper II.

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student recognise different Poetic styles.	Intellectual	L1 L2	PO1 PSO1
CO2	Student examines the framing of ideas into perfect words.	Problem solving	L3	PO2 PSO2 PSO3
CO3	Student simplifies complex poetic forms into prose analysis.	Analytical	L4	PO3 PSO2 PSO3
CO4	Student evaluates and takes proper decision from literary experiences.	Decision making	L5	PO4 PSO2 PSO3
CO5	Student develops a deeper humanitarian sense to face the situation in real life.	Leadership/ Management/ Communication	L6	PO PSO2 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Hindi	IV	Hindi Paper III.

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand, and explain Mass Media. Student understands different forms of functional Hindi.	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to apply writing skills to design editorial, feature, etc.	Analytical	L3	PO2 PSO3
CO3	Ability to analyse utilitarian Writings. Student classify different translation forms and conclude with perfect writing.	Analytical	L4	PO2 PSO3
CO4	Students Ability to evaluate different translation forms and conclude with perfect writing.	Decision making	L5	PO4 PSO3
CO5	Learners adopt writing skills for Mass Media to draw the essence of situation and develop clarity of thoughts student expand the writing skills from theory to practical.	Communication	L6	PO1 PO2 PO 4 PSO2 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Department of Political Science	IV	Political Values and Ideologies

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student defines and explains Rights, Basic Political Values, Democracy and Political Ideologies	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines theories of Rights, democracy, political values and political ideologies	Problem solving	L2 L3 L4	PO2 PSO1
CO3	Student analyses theories of Rights various aspect of democracy and political ideologies.	Analytical	L2 L4 L5	PO2 PSO2 PSO3
CO4	Student evaluates political ideologies & democracy.	Decision making	L2 L4 L5	PO4 PSO2 PSO3
CO5	Student develops interest in rights, Rights, Basic Political Values, Democracy and Political Ideologies	Research	L2 L3 L4 L5	PO4 PO5 PSO1 PSO3



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G.T.B Nagar, Mumbai – 400037



### Course Outcomes:

Department	Semester	Course Name
Department of Political Science	IV	Indian Administration

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Student explains evolution, Constitutional Context and silent features of Indian Administration, personnel administration, financial administration and contemporary issues in Indian politics.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines Indian administration, financial administration, Lokpal and Lokayukt and contemporary issues in Indian administration.	Problem solving	L2 L3 L4	PO1 PO2 PSO1
CO3	Student analyses evolution of Indian administration personnel administration, financial administration & Contemporary Issues in Indian Administration	Analytical	L2 L3 L4 L5	PO2 PO5 PSO2 PSO3
CO4	Student measures/evaluates the changing role of district administration, personnel administration, and contemporary issues in Indian Administration.	Decision making	L2 L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Students develops interest in Contemporary Issues in Indian Administration	Research Aptitude	L2 L3 L4 L5	PO4 PO5 PSO1 PSO3

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### Course Outcomes:

Department	Semester	Course Name
History	IV	History Paper -II Landmarks In World History (1453-1945)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand & explain different definitions and concepts related to modern World history like Fascism, Nazism, Second World War, Birth of UNO etc.	Intellectual breadth	L1/L2	PO1 POS2
CO2	Students develops the ability to critically evaluate the impact of various historical events and personalities.	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the ability to study the causes and factors of various events like rise of Fascism, Nazism, Second World World War etc. and decides their role and impact in history.	Decision making	L4	PO2 PSO2
CO4	Students develops the ability to articulate his views about the role and causes of various events and personalities.	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to find more new information about Ancient India and its rulers, socio-economic and cultural developments through visits to historical places and museums, watching you tube videos, documentaries etc	Research Aptitude	L6	PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
History	IV	History Paper -III (History of Ancient India (From Earliest Times to 1000 A.D.)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand & explain different definitions and concepts related to ancient Indian History	Intellectual breadth	L1/L2	PO1 POS2
CO2	The Students develops the ability to critically analyse the impact of various historical events and personalities.	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the ability to evaluate the causes and factors of various events and rise of various dynasties like Mauryas, the Kushanas, Guptas etc. and decides about their impact in ancient Indian History.	Decision making	L4	PO2 PSO2
CO4	Students develops the ability to Students developed the ability to express his views about major rulers like Ashoka, Samudragupta etc.	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to find more new information about major events of history of Ancient India and its rulers, - economic socio cultural developments etc.through visits to historical places and museums, watching you tube videos, documentaries etc	Research Aptitude	L6	PO5 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Department of Psychology	IV	Social Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student defines and explains attitudes, aggression, prejudice, stereotypes, discrimination, social influence	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines theories of attitudes, aggression, prejudice, stereotypes, discrimination, social influence	Problem solving	L2 L3 L4	PO2 PSO1
CO3	Student analyses theories of attitudes, aggression, prejudice, stereotypes, discrimination, social influence	Analytical	L2 L4 L5	PO2 PSO2 PSO3
CO4	Student evaluates social concepts.	Decision making	L2 L4 L5	PO4 PSO2 PSO3
CO5	Student develops interest in social concepts and theories.	Research	L2 L3 L4 L5	PO4 PO5 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	IV	Developmental Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Student explains physical, cognitive, social and personality development in Middle adulthood and Late adulthood.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines various theories of development in middle and late adulthood.	Problem solving	L2 L3 L4	PO1 PO2 PSO1
CO3	Student analyses various theories of development.	Analytical	L2 L3 L4 L5	PO2 PO5 PSO2 PSO3
CO4	Student measures/evaluates theories and concepts to gain better understanding in Indian context.	Decision making	L2 L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Students develops interest in factors contributing in lifespan development.	Research	L2 L3 L4 L5	PO4 PO5 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Economics	V	Advance Microeconomics: PAPER VII

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain concept of market structure and imperfect competition.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to demonstrate the effects of asymmetric information on market.	Problem solving	L3	PO2/PSO2
CO3	Ability to develop analytical skills to evaluate public welfare policies.	Skill development	L4	PO4/PSO3
CO4	To strengthen decision making skills of learners with the use of game theory methods	Decision making	L5	PO3/PSO1/ PSO2
CO5	Ability to search, evaluate and present information in relation to public welfare policies.	Research aptitude	L6	PO5/POS2/ POS3

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**Course Outcomes:**

Department	Semester	Course Name
Economics	V	ECONOMICS OF DEVELOPMENT: PAPER VIII

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain meaning of Economic growth and development, role of infrastructure and technology in economic development measurements of development.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to examine different indicators of Economic growth and development. engine of growth and development.	Problem solving	L3	PO2/PSO2/ PSO3
CO3	Ability to develop analytical skill to analyse different theories of development given by various economists.	Skill development	L4	PO1/PO4/ PSO3/PSO2
CO4	Ability to evaluate measurements of poverty and inequality and government policies for poverty alleviation.	Decision making	L5	PO3/PSO1/ PSO2
CO5	Ability to search, evaluate and present information in relation to trends in growth and development of Indian economy, Human development in India,	Research aptitude	L6	PO5/POS2/ POS3

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### Course Outcomes:

Department	Semester	Course Name
Economics	V	Industrial and Labour economics: Paper IX

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain understand meaning of meaning of Industrial and labour Economics	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to examine, demonstrate and solve problems in relation to industries and labours such as child labours, female labours, trade union.	Problem solving	L3	PO1,PO2/ PSO1, PSO2,
CO3	Ability to develop skills to relate, articulate and analyse different theories of industrial location development given by various economists and factors affecting industrial location., labour welfare theories.	Skill development	L4	PO4/PSO3
CO4	Ability to evaluate and conclude latest policies relating to the Indian industry and labour laws.	Decision making	L5	PO3/PSO1/ PSO2
CO5	Ability to locate suitable location for industry. Ability to search for, locate, extract, organise, information Indian industrial sector.	Research aptitude	L6	PO5/POS2/ POS3



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**Course Outcomes:**

Department	Semester	Course Name
Hindi	V	Hindi Paper IV

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	To make the students aware of proper use of language. The learner explains literature through key events.	Intellectual	L1 L2	PO1 PSO1
CO2	Learner able to apply interprets the major developments in literature.	Problem solving	L3	PO3 PSO1 PSO2 PSO3
CO3	The students analyse the history through literature and contemporary issues	Analytical	L4	PO2 PSO1 PSO2
CO4	The students classify and relate literature of different writers which helps them in evaluation.	Decision making	L5	PO4 PSO1 PSO2
CO5	Learners appraise history of Hindi prose and poetry and apply in present life.	Communication	L6	PO3 PSO1 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Hindi	V	Hindi Paper V.

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student identifies different forms of literal Hindi forms.	Intellectual	L1 L2	PO1 PSO1
CO2	Student builds an Emotional Quotient. in various social situation	Problem solving	L3	PO2 PSO2 PSO3
CO3	Student relates the literature to real life conditions.	Analytical	L4	PO3 PSO2 PSO3
CO4	Student evaluates and takes proper decision from literary experiences.	Decision making	L5	PO4 PSO2 PSO3
CO5	Student formulates good communication skills.	Leadership/ Management/ Communication	L6	PO5 PSO2 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Hindi	V	Hindi Paper VI

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students define and explain Information Technology and identify Problems Challenges and Solutions	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Ability to examine fields of Information technology and plan uses in Education field.	Critical thinking	L3	PO2 PO3 PO4 PSO2 PSO3
CO3	Ability to analyse the appraise uses of Hindi language and scripts	Analytical	L4	PO2 PO4 PSO2 PSO3
CO4	Ability to measure the different tools to develop e-magazines and advertisement in Hindi	Critical thinking & Skill development	L5	PO2 PO4 PSO3
CO5	Ability to analyse job opportunities in the field of Information Technology related to Hindi Literature	Decision Making	L6	PO3 PO5 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Department of Political Science	V	World Politics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student defines/explains concepts, approaches of International Relations, conflicts, peace, security and world order.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines international relations, world order, peace, conflict, security and international world economy.	Problem solving	L1 L2 L3 L4	PO1 PO2 PSO1
CO3	Student categories conflicts, peace, security and international economic order	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates International Relations, IMF, EU & WTO	Decision making	L2 L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student determines the impact of globalization on world economy and international relations.	Research	L3 L4 L5 L6	PO4 PO5 PSO1 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Department of Political Science	V	Western Political Thought

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains the contributions made by different major Western political thinkers.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines the ideas and contributions made by major Western political thinkers.	Critical thinking	L2 L3	PO1 PO2 PSO1
CO3	Student analyse western political thought	Analytical	L1 L2 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates contributions and theories given by various western political thinkers.	Skill development	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develop interest in western political thought	Research	L2 L4 L5 L6	PO4 PO5 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Political Science	V	Politics of Modern Maharashtra

CO No.	Course Outcomes	Skill	Bloom's Level	PO/POS
CO1	Student explains historical background, Sub-regionalism, Regional Disparity and development and role of caste in Maharashtra.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines sub regionalism, regional disparity, political institutions and caste in politics of Maharashtra.	Problem solving	L2 L3	PO1 PO2 PSO1
CO3	Student analyses history of Maharashtra, the role of caste in politics of Maharashtra and political institutions of Maharashtra.	Analytical	L3 L4 L5	PO2 PO5 PSO2 PSO3
CO4	Student evaluates development of various regions of Maharashtra, dalit politics, dominant caste politics and obc politics.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student determines the impact of caste in Maharashtra's politics.	Research	L4 L5 L6	PO1 PO2 PSO1 PSO3

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### Course Outcomes

Department	Semester	Course Name
History	V	Paper -IV.(-History of Medieval India (1000 CE – 1526 CE)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand & explain different definitions and concepts related to Medieval Indian History	Intellectual breadth	L1/L2	PO1 POS2
CO2	The Students develops the ability to critically evaluate the impact of various Medieval Indian historical events and personalities.	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the ability to evaluate the causes and factors of various medieval events and policies of various rulers like Allauddin Khilji, Balban, Razia Sultan etc. and decides about impact on medieval History.	Decision making	L4	PO2 PSO2
CO4	Students develops the ability to express his views about major rulers like Mohammad Tughlaq, Alauddin Khilji etc	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to find more new information about major events of history of Medieval India (sultanate period)through visits to historical places and museums, watching you tube videos, documentaries etc	Research Aptitude	L6	PO5 PSO3

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### Course Outcomes:

Department	Semester	Course Name
History	V	Paper –V History of Modern Maharashtra -1818-1960

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand & explain the different definitions and concepts related to History of Modern Maharashtra	Intellectual breadth	L1/L2	PO1 POS2
CO2	The Students develops the ability to critically analyse the impact of various historical events of Modern Maharashtra	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the ability to evaluate the causes and factors of various events like rise of Nationalism in Maharashtra, Samyukta Maharashtra Movement and decide its role in History .	Decision making	L4	PO2 PSO2
CO4	Students develops the ability to express his views about various historical events related to modern Maharashtra decides its impact on History and Society.	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to find more new information about major events of history of Modern Maharashtra through visits to historical places and museums, watching you tube videos, documentaries etc.	Research Aptitude	L6	PO5 PSO3



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### Course Outcomes:

Department	Semester	Course Name
History	V	Paper -VI Introduction to Archaeology

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand & explain different definitions concepts related to Archaeology, numismatics and Epigraphy.	Intellectual breadth	L1/L2	PO1 POS2
CO2	The students develop the ability to critically analyse the impact of various archaeological events, methods and evaluates the role of epigraphy and numismatics as an important historical source.	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the ability to evaluate various archaeological events, methods of Archaeology, excavations etc. and decide its role in History.	Decision making	L4	PO2 PSO2
CO4	Students develops the ability to communicate and learns about various archaeological methods and techniques,	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to create an interesting project related to the topic, acquires research aptitude through visits to historical places and museums, watching you tube videos, documentaries etc.	Research Aptitude	L6	PO5 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Department of Psychology	V	Psychological Testing and Statistics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student defines/explains concepts, approaches of Psychological testing and assessment.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines norms, uses, technical features, and the process of construction of psychological test.	Problem solving	L1 L2 L3 L4	PO1 PO2 PSO1
CO3	Student analyses norms, uses of various tests along with its reliability and validity.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates concepts like norms, reliability, validity, descriptive statistics.	Decision making	L2 L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student determines the impact of norms, reliability and validity on psychological test.	Research	L3 L4 L5 L6	PO4 PO5 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	V	Abnormal Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains the basic concepts and understanding of theories of abnormal psychology.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines the symptoms, causes, process of diagnosis and treatment of various Psychological disorders.	Critical thinking	L2 L3	PO1 PO2 PSO1
CO3	Student analyse various Psychological disorders.	Analytical	L1 L2 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates causes, symptoms, theories, treatment and diagnosis process.	Skill development	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develop interest in Clinical psychology.	Research	L2 L4 L5 L6	PO4 PO5 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	V	I/O Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/POS
CO1	Student explains basic concepts and theories of I/O Psychology	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines Job analysis, Appraisal, Training and Measures of assessment.	Problem solving	L2 L3	PO1 PO2 PSO1
CO3	Student analyses concepts like job analysis, appraisal, method of selection, placement, recruitment and training.	Analytical	L3 L4 L5	PO2 PO5 PSO2 PSO3
CO4	Student evaluates various concepts and theories of I/O Psychology.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops interest in I/O Psychology	Research	L4 L5 L6	PO1 PO2 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	V	Cognitive Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains basic concepts and theories of cognitive psychology.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines theories and concepts of perception, attention, and various types of memory.	Problem solving	L1 L2 L3	PO1 PO2 PSO1
CO3	Student analyses theories and concepts of perception, attention, sensory and short-term memory and long term memory.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates theories and key concepts of Cognition.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops interest in theoretical aspects of cognitive processes.	Research	L4 L5 L6	PO1 PO2 PSO1 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Department of Psychology	V	Practicals in Cognitive processes and psychological Testing

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains theoretical concepts of experimental psychology like hypothesis, variables and statistical analysis.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines cognitive processes by conducting experiments, psychological tests and coglab.	Problem solving	L1 L2 L3	PO1 PO2 PSO1
CO3	Student analyses the obtained data using statistical analysis.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates theoretical concepts and statistical tools.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops skills for evaluation of a research paper and write a research report.	Research	L4 L5 L6	PO1 PO2 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	V	Counselling Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains importance of counselling and various therapies.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines theories and therapies such as psychoanalytical, behavioural, cognitive, humanistic.	Problem solving	L1 L2 L3	PO1 PO2 PSO1
CO3	Student analyses theories and therapies such as psychoanalytical, behavioural, cognitive, humanistic.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates various therapies and theories used by counsellors.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops interest in counselling Psychology.	Research	L4 L5 L6	PO1 PO2 PSO1 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Economics	VI	Advance Microeconomics: PAPER VII

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain important historical events such as emergence of Gold standard, fall of Bretton Woods System, Maastricht treaty etc.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to advise adequate changes in monetary and fiscal policy to correct trade imbalance.	Problem solving	L3	PO2/PSO2
CO3	Ability to apply the IS-LM-UIP model to analyse the profitability in investment in foreign bond.	Skill development	L4	PO4/PSO3
CO4	Ability to forecast between exchange rate crisis and other kinds of crisis such as banking crisis, financial crisis etc.	Decision making	L5	PO3/PSO1/PSO2
CO5	Ability to search, evaluate and present information in relation to Asian Development Banks, currency crisis and exchange rate regime.	Research aptitude	L6	PO5/POS2/POS3



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### Course Outcomes:

Department	Semester	Course Name
Economics	VI	INTERNATIONAL ECONOMICS

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain understand meaning of international trade, trade theories, BOP, Forex market, WTO and agreements	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to examine international trade and trade flow.	Problem solving	L3	PO2/PSO2/PSO1
CO3	Ability to develop analytical skill to analyse different theories of international trade given by various economists.	Skill development	L4	PO4/PSO3
CO4	Ability to evaluate trade policies and international trade finance foreign exchange rate,	Decision making	L5	PO3/PSO1/PSO2
CO5	Ability to search, evaluate and present information in relation to trends in the international trade scenario and trade laws. Problems in BOP disequilibrium	Research aptitude	L6	PO2/PO5/POS2/POS3

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### Course Outcomes:

Department	Semester	Course Name
Economics	VI	Industrial and Labour economics

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain understand meaning of meaning of Industrial and labour Economics	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to examine, demonstrate and solve problems in relation to industries and labours such as child labours, female labours, trade union.	Problem solving	L3	PO1/PO2/PSO1 PSO2
CO3	Ability to develop skills to relate, articulate and analyse different theories of industrial location development given by various economists and factors affecting industrial location, labour welfare theories.	Skill development	L4	PO4/PSO3
CO4	Ability to evaluate and conclude latest policies relating to the Indian industry and labour laws.	Decision making	L5	PO3/PSO1/PSO2
CO5	Ability to locate suitable location for industry. Ability to search for, locate, extract, organise, information Indian industrial sector.	Research aptitude	L6	PO5/POS2/POS3

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### Course Outcomes:

Department	Semester	Course Name
Hindi	VI	Hindi Paper IV

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students understand modern history and social, political, financial and cultural aspect.	Intellectual	L1 L2	PO1 PSO1
CO2	The learner examines and prepares different aspect of poetry and prose and applies in real life.	Problem solving	L3	PO3 PSO1 PSO2
CO3	Learner classifies, analyse and simplify aspects of literature.	Analytical	L4	PO2 PSO3
CO4	Learner learns to compare different writers.	Decision making	L5	PO4 PSO2 PSO3
CO5	Students conclude with different aspects of writings of different writers and communicate.	Communication	L6	PO3 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Hindi	VI	Hindi Paper V.

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student identifies different forms of literal Hindi forms.	Intellectual	L1 L2	PO1 PSO1
CO2	Student builds an Emotional Quotient. in various social situation	Problem solving	L3	PO2 PSO2 PSO3
CO3	Student relates the literature to real life conditions.	Analytical	L4	PO3 PSO2 PSO3
CO4	Student evaluates and takes proper decision from literary experiences.	Decision making	L5	PO4 PSO2 PSO3
CO5	Student formulates good communication skills.	Leadership/ Management/ Communication	L6	PO5 PSO2 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Hindi	VI	Hindi Paper VI

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the concept of social media	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to apply the knowledge related to the challenges and opportunities in social media.	Problem solving	L3	PO2 PO3 PSO1 PSO2
CO3	Ability to analyse the different uses of Devnagiri Lipi in Social Media	Analytical	L4	PO2 PO4 PSO2 PSO3
CO4	Ability to measure and evaluate different effects of social media in Politics, Social Economic and Culture.	Decision making & Critical thinking	L5	PO2 PO3 PSO2
CO5	Ability to create the awareness of social media and freedom of speech.	Analytical thinking, Skill development, Research Aptitude	L6	PO2 PO4 PO5 PSO1 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Political Science	VI	India in World Politics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student defines/explains foreign policy objective of foreign policy, diplomacy and determinants of Indian foreign policy, India's relation with major powers and neighbours.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines India's foreign policy and relations with major superpowers and international organizations.	Critical thinking	L2 L3 L4	PO1 PO2 PSO1
CO3	Student analyse India's foreign policy, her relations with major superpowers, neighbours and international relations	Analytical	L2 L3 L4 L5	PO2 PO5 PSO2 PSO3
CO4	Student evaluates Indian foreign policy, her relations with other nations, India's role in United Nation and India's relations with ASEAN	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Students develops interest in India's foreign policy	Research	L3 L4 L5 L6	PO4 PO5 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Political Science	VI	Indian Political Thought

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains the contributions made by different major Indian political thinkers.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines the ideas and contributions made by major Indian political thinkers.	Critical thinking	L2 L3	PO1 PO2 PSO1
CO3	Student analyse Indian political thought	Analytical	L1 L2 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates contributions and theories given by various western political thinkers.	Skill development	L3 L4 L5 L6	PO3 PO4 PSO2 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Political Science	VI	Determinants of Politics of Maharashtra

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains Political Economy, political parties, contemporary issues in Maharashtra and civil society and various alternative development models.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines Civil society initiatives and alternative models of development, contemporary issue, political economy of Maharashtra civil society and various alternative development models.	Problem solving	L1 L2 L3	PO1 PO2 PSO1
CO3	Student analyses the role political parties in Maharashtra politics and contemporary issues and social movements in Maharashtra.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates political economy, various movements and contemporary issues in Maharashtra politics.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops issues in Maharashtra politics	Research	L4 L5 L6	PO1 PO2 PSO1 PSO3



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**Course Outcomes:**

Department	Semester	Course Name
History	VI	Paper -IV( History of Medieval India (1526 CE – 1707 CE)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	The students develops the ability to define, understand & and explain events related to Medieval Indian History.	Intellectual breadth	L1/L2	PO1 POS2
CO2	The Students develops the ability to critically analyse the impact of various historical events and personalities of Medieval India like Sher Shah, Humayun Akbar etc .	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO 2
CO3	Student develops the ability to evaluate the causes and factors of various events and rise of various rulers like Babur, Humayun, Akbar etc. and decide about their positive and negative impact.	Decision making	L4	PO2 PSO2
CO4	Students develops the ability to communicate and express his about the issues related to Medieval India	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to find more new information about major events of Medieval India( Mughal period )through visits to historical places and museums, watching you tube videos, documentaries etc	Research Aptitude	L6	PO5 PSO3

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## Course Outcomes

Department	Semester	Course Name
History	VI	Paper –V History of Contemporary India (1947 CE- 2000 CE)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand & explain the Socio- political and economic developments in India after Independence.	Intellectual breadth	L1/L2	PO1 POS2
CO2	Students develops the ability to critically evaluate role and causes of various events of contemporary India and develops rational thinking about events of contemporary India like Integration Indian of states, Emergency, Green revolution, liberalization of economy etc.	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the ability to evaluate the causes and factors of various events like rise of Communalism, separatism, reservation, empowerment of women etc. and decides about methods of dealing with the issue	Decision making	L4	PO2 PSO2
CO4	Students develops the ability to communicate and express his views about the issues related to contemporary India	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to find more information about major events of contemporary India through visits to historical places and museums, watching you tube videos, documentaries etc	Research Aptitude	L6	PO5 PSO3

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### Course Outcomes:

Department	Semester	Course Name
History	VI	Paper -VI Introduction to Museology and Archival Science

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Students develops the ability to define, understand different definitions and concepts related to Museology and Archival Science	Intellectual breadth	L1/L2	PO1 POS2
CO2	The Students develops the ability to apply the various methods of Museology and Archival science	Critical thinking, Problem solving & Analytical skills	L3	PO2 PSO2
CO3	Students develops the ability to evaluate various methods of conservation and preservation of objects in museums and archives and decides to know various methods related to it.	Decision making	L4	PO2 PSO2
CO4	Students develops the ability to communicate and express his views about the through visits to historical places and museums, watching you tube videos, documentaries etc for conservation and preservation	Skill Development	L5	PO4 PSO3
CO5	Students develops the ability to create an interesting project related to the subject and tries to acquire new information through visits to historical places and museums, watching you tube videos, documentaries etc .	Research Aptitude	L6	PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	VI	Psychological Testing and Statistics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student defines/explains various statistical techniques, test development and assessment tools.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines statistics techniques like correlation, normal curve, variability, test development and assessment of personality and intelligence.	Critical thinking	L2 L3 L4	PO1 PO2 PSO1
CO3	Student analyse statistical techniques, assessment tools of intelligence and personality.	Analytical	L2 L3 L4 L5	PO2 PO5 PSO2 PSO3
CO4	Student evaluates descriptive statistics and assessment tools.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Students develops testing and statistics.	Research	L3 L4 L5 L6	PO4 PO5 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	VI	Abnormal Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains causes, symptoms, treatment and diagnosis of Schizophrenia, Personality disorders, Mood disorders.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines causes, symptoms, treatment and diagnosis of Schizophrenia, Personality disorders, Mood disorders.	Critical thinking	L2 L3	PO1 PO2 PSO1
CO3	Student analyse Psychological disorders like Schizophrenia, Personality disorders, Mood disorders.	Analytical	L1 L2 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates treatment and diagnosis available for psychological disorders.	Skill development	L3 L4 L5 L6	PO3 PO4 PSO2 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	VI	I/O Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains employee motivation, job satisfaction, leadership, organizational development.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines theories and concepts of motivation, job satisfaction, leadership, power, work team, organizational development.	Problem solving	L1 L2 L3	PO1 PO2 PSO1
CO3	Student analyses theories and concepts of motivation, job satisfaction, leadership, power, work team, organizational development.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates theories and key organizational concepts.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops interest in I/O Psychology	Research	L4 L5 L6	PO1 PO2 PSO1 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	VI	Cognitive Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains concepts such as learning, forgetting, problem solving, decision making and reasoning.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines theories, types and background of learning, forgetting, problem solving, decision making and reasoning.	Problem solving	L1 L2 L3	PO1 PO2 PSO1
CO3	Student analyses theories and concepts of imagery, learning, forgetting, problem solving and decision making.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates theories and key concepts of cognitive psychology.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops interest theoretical aspects of cognitive psychology.	Research	L4 L5 L6	PO1 PO2 PSO1 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Department of Psychology	VI	Practicals in Cognitive processes and psychological Testing

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains theoretical concepts of experimental psychology such as mixed method design and reviewing research paper and statistical analysis.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines cognitive processes by conducting experiments, psychological tests and coglab.	Problem solving	L1 L2 L3	PO1 PO2 PSO1
CO3	Student analyses the obtained data using statistical analysis.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates theoretical concepts and statistical tools.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops skills for evaluation of a research paper and write a research report.	Research	L4 L5 L6	PO1 PO2 PSO1 PSO3



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**Course Outcomes:**

Department	Semester	Course Name
Department of Psychology	VI	Counselling Psychology

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student explains basic counselling skills.	Intellectual	L1 L2	PO1 PO2 PSO1
CO2	Student examines understanding of counsellor's role and role of counselling skills in helping process.	Problem solving	L1 L2 L3	PO1 PO2 PSO1
CO3	Student analyses various counselling skills such as active listening, empathy, probing, summarizing, challenging, and formulating helping strategies.	Analytical	L2 L3 L4	PO2 PO5 PSO2 PSO3
CO4	Student evaluates importance and benefits of various counselling skills in helping process.	Decision making	L3 L4 L5	PO3 PO4 PSO2 PSO3
CO5	Student develops understanding of role of counsellor and counselling process.	Research	L4 L5 L6	PO1 PO2 PSO1 PSO3

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## **Multimedia and Mass Communication**

### **Programme Specific Outcomes:**

PSO 1 – Knowledge of Communication: Understand and define the various tools in the field of mass communication.

PSO 2 – Developing Critical Understanding: Implement knowledge of media theories and practices of communication that prepares learners for future careers in mass communication.

PSO 3 – Developing Technical Skills: Creation & application of media technology skills as well hone written and spoken communication skills essential for various mass media platforms.

PSO 4 – Enhancing Professional Skills: Implement and assess ethical & professional responsibilities for societal change through mass communication.

PSO 5 – Creating Multimedia Content: Create media programmes through effective reading & writing for a varied media audience.

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	I	Effective Communication I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain functional and operational use of language in media.	Intellectual	L1/L2	PO1, PSO1, PSO4
CO2	Ability to construct reading, writing and thinking skills.	Problem solving	L3	PO2, PSO3, PSO4
CO3	Ability to contrast key concepts of communications.	Analytical	L4	PO3, PSO1, PSO4
CO5	Ability to generate ideas and concepts in communication( traditional & digital media).	Leadership/ Management/ Communication	L6	PO2, PO5, PSO2, PSO4

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	I	Foundation Course - I

CO No.	Course Outcomes	Skill	Bloom's Level	PO, PSO
CO1	Ability to define, understand and explain the basic concepts of Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values and aspects of Political Processes	Intellectual	L1/L2	PO1
CO2	Ability to analyse the diverse Indian society, existing inequalities and disparities in Indian Society, the Indian Constitution, Values and aspects of Political Processes.	Analytical	L4	PO2, PO3, PO4
CO3	Ability to apply the foundational knowledge in- solving personal and social problems related to diversity, inequalities, disparities, the Indian Constitution, Values and aspects of Political Processes.	Problem Solving	L3	PO2, PO3, PO4, PO5
CO4	Ability to evaluate - Diverse Indian Society, inequalities & disparities, The Indian Constitution, Values, aspects of Political Processes and Political situation.	Decision making	L5	PO2, PO3, PO4, PO5

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	I	Visual Communication

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to interpret basic knowledge to be able to carry out a project in the field of visual communication	Intellectual	L1/L2	PO1 PSO1, PSO5
CO2	Ability to construct visual communication as part of Mass Communication.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3
CO3	Ability to categorize visual communication from a critical perspective.	Analytical	L4	PO1, PO2, PSO2
CO5	Ability to design experiments with tools that would help them to communicate through visuals.	Leadership/ Management/ Communication	L6	PO3,PO4 PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	I	Fundamentals of Mass Communication

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define & describe history, evolution and the development of Mass Communication in the world with special reference to India.	Intellectual	L1/L2	PO1, PO5, PSO1
CO2	Ability to examine critical understanding of Mass Media.	Problem solving	L3	PO2, PSO2
CO3	Ability to categorise Mass Communication models.	Analytical	L4	PO2, PSO1, PSO2
CO5	Ability to develop a critical understanding of Mass Media.	Leadership/ Management/ Communication	L6	PO2, PS02

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	I	Current Affairs

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The learner is able to define, recognise and explain current developments in various fields in a democratic set-up	Intellectual	L1/L2	PO1,PO2 PSO1, PSO2
CO2	Ability to apply & construct reading and writing skills on the burning issues in Media.	Problem solving	L3	PO2, PO5, PSO3,PSO 4, PSO5
CO3	Ability to articulate basic understanding of politics, economics, environment and technology so that students can grasp the relevance of related news.	Analytical	L4	PO1, PO2 PSO2, PSO4
CO5	Ability to create articles pertaining to problems faced by the society in current times.	Leadership/ Management/ Communication	L6	PO4, PO5, PSO4, PSO5

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	I	History of Media

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify the major developments in media history	Intellectual	L1/L2	PO1, PO5, PSO1
CO2	Ability to apply case studies pertaining to the evolution of mass media.	Problem solving	L3	PO2, PSO2
CO3	Ability to analyse history, evolution and the development of Mass Communication in the world with special reference to India.	Analytical	L4	PO1 , PO2, PO3, PSO2
CO5	Ability to develop to think and analyze about the media.	Leadership/ Management/ Communication	L6	PO4, PSO5



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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	II	Effective Communication II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to illustrate use of language in media and organization.	Intellectual	L1/L2	PO1, PSO1, PSO4
CO2	Ability to examine structural and analytical reading, writing and thinking skills.	Problem solving	L3	PO2,PO4, PSO3, PSO4
CO3	Ability to articulate key concepts of communications.	Analytical	L4	PO1, PSO2
CO5	Ability to generate content for print media and broadcasting media.	Leadership/ Management/ Communication	L6	PO2,PO4 PSO4,PSO5

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	II	Foundation Course- II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand and explain the concepts of- LPG, Farmers suicide, ICT, Migration, Human Rights, Environment, Ecological Issues, Sustainable development, Stress and Conflict's-its types, causes, effects and mechanisms for resolving and coping, Socialisation, Ethics & Values, Hierarchy of Needs	Intellectual	L1/L2	PO1, PO2
CO2	Ability to analyse- Indian Society and Economy after LPG, Migration, ICT, issues related to Human Rights, Ecological concerns, Sustainable development, Stress, Conflict, Ethics & Values, Hierarchy of Needs, Socialisation	Analytical & Management	L4	PO2, PO3, PO4, PO5
CO3	Ability to apply the knowledge of – LPG, Migration, ICT, UDHR, Human Rights & Indian Constitution, Sustainable development, to resolve Stress and Conflicts, Socialisation, Ethics & Values, Hierarchy of Needs	Problem Solving	L3	PO2, PO3, PO4, PO5,
CO4	Ability to evaluate - LPG, Migration, ICT, Human Rights issues, ecological concerns, Sustainable development, Stress and Conflicts, Ethics & Values, Hierarchy of Needs, Socialisation	Decision making	L5	PO2, PO3, PO4, PO5

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	II	Content Writing

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand and identify of crisp writing as part of Mass Communication	Intellectual	L1/L2	PO1, PSO1
CO2	Ability to prepare the students with tools that would help them communicate effectively.	Problem solving	L3	PO3, PO4, PSO1, PSO4
CO4	Ability to forecast the essence of situations in society.	Decision making	L5	PO4, PSO2
CO5	Ability to create presentations and criteria which needs to be followed while presenting respective slides.	Leadership/ Management/ Communication	L6	PO 4, PSO3, PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	II	Introduction to Advertising

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to interpret and recall the basic understanding of advertising, growth, importance and types.	Intellectual	L1/L2	PO1, PO2, PSO1, PSO4
CO2	Ability to examine and illustrate various advertising trends and their implementation in current times.	Problem solving	L3	PO1, PSO2, PSO4,
CO3	Ability to categorize and relate the role of advertising, various departments, careers in the field of media.	Analytical	L4	PO2
CO5	Ability to create and design effective advertising campaigns.	Leadership/ Management/ Communication	L6	PO2, PO3, PSO3, PSO4

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	II	Introduction to Journalism

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to Understand the basics of journalism and recognize the contributions of the renowned journalists to the field of print media.	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	Ability to plan influential mediums of journalism that hold the key to opinion formation & to create awareness.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to apply the principles and laws of freedom of speech and incorporate this fundamental right when functioning at different political structures.	Analytical	L3	PO 2, PO4, PSO3, PSO4
CO5	Ability to create Research and Critical Analysis.	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	II	Media, Gender and Culture

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to recognize and interpret the significance of culture and the media industry.	Intellectual	L1/L2	PO1, PSO2, PSO4
CO2	Ability to construct the association between media, gender and culture in the society.	Problem solving	L3	PO1, PO2, PSO2
CO3	Ability to articulate and relate the changing perspectives of media, gender and culture in the globalised era.	Analytical	L4	PO2, PO5, PSO3
CO5	Ability to reconstruct various representations of Gender in society.	Leadership/ Management/ Communication	L6	PO3, PO4, PSO1, PSO2, PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	III	Theatre and Mass Communication I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to recognize and interpret ownership of space, time, story-telling, characterization and kinesthetic.	Intellectual	L1/L2	PO1, PO2, PSO2, PSO4
CO2	Ability to build minds through expression of their perception, creating awareness of their role and place in society, their responsibilities and possibilities.	Problem solving	L3	PO1, PO4 PSO2, PSO4
CO3	Ability to categorize different roles and their representation.	Analytical	L4	PO2, PO5, PSO2, PSO4
CO5	Ability to develop as an individual and team in theatrical Arts.	Leadership/ Management/ Communication	L6	PO3, PO4, PSO2, PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	III	Media Studies

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to Identify and describe the foundations and study of media.	Intellectual	L1/L2	PO1, PO2, PSO1, PSO2
CO2	Ability to summarize media theories.	Problem solving	L3	PO2, PO5, PSO2, PSO3
CO3	Ability to relate the relationship of media with culture and society.	Analytical	L4	PO1 , PO2, PO3, PSO2, PSO4
CO4	Ability to determine Media Studies in the context of trends in Global Media.	Decision Making	L5	PO2, PO5,PSO2 , PSO4



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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	III	Corporate Communication and Public Relations

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define various elements of corporate communication and considers their roles in managing media organizations	Intellectual	L1/L2	PO1, PSO1
CO2	Ability to advise various elements of corporate communication and consider their roles in managing media organizations.	Problem solving	L3	PO3, PO4, PSO1, PSO4
CO3	Ability to examine how various elements of corporate communication must be coordinated to communicate effectively in today's competitive world.	Analytical	L3	PO4, PSO2, PSO4
CO5	Ability to decide infers different practices associated with corporate communication with the latest trends and social media tools	Leadership/ Management/ Communication	L5	PO 4, PSO3, PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	III	Introduction to Photography

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to recognize and illustrate media photography as a language of visual communication.	Intellectual	L1/L2	PO1 PSO1, PSO4
CO2	Ability to construct the capability of image into effective communication.	Problem solving	L3	PO1, PO2, PSO2, PSO3
CO3	Ability to articulate the textual, verbal, and visual content and setting of the work.	Analytical	L4	PO1, PO4, PSO2, PSO4
CO5	Ability to produce and develop a variety of brainstorming techniques to generate fruitful suggestions for photography.	Leadership/ Management/ Communication	L6	PO3,PO4 PSO3, PSO4, PSO5.

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	III	Film Communication I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify and describe a brief history of movies; the major cinema movements.	Intellectual	L1/L2	PO1 PSO1, PSO2
CO2	Ability to demonstrate the power of visuals and sound and the ability to make use of them in effective communication.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO4
CO3	Ability to articulate film techniques and aesthetics.	Analytical	L4	PO1, PO2, PSO2
CO4	Ability to evaluate understanding of good cinema.	Decision Making	L5	PO3,PO4 PSO3, PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	III	Computers and Multimedia I

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify and interpret aspects of the media industry and become aware of the minimum requirement of the software when stepping out in the industry.	Intellectual	L1/L2	PO1 PSO1, PSO2
CO2	Ability to demonstrate Adobe Photoshop programmes and decide how other multimedia programmes are used.	Problem solving	L3	PO1, PO2, PSO3, PSO4
CO3	Ability to complete small scale projects during academic period.	Analytical	L4	PO1, PO4, PSO3, PSO4
CO5	Ability to develop skills for independence during project papers in TY.	Leadership/ Management/ Communication	L6	PO3,PO4 PSO3, PSO4, PSO5.

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	IV	Theatre and Mass Communication II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to interpret theatre in a deeper sense and its relation to how it evolved to create human connections.	Intellectual	L1/L2	PO1, PO2, PSO2, PSO4
CO2	Ability to plan and demonstrate theatrical activities.	Problem solving	L3	PO1, PO4 PSO3, PSO4
CO3	Ability to analyze dramatic literature and theatrical production.	Analytical	L4	PO2, PO5, PSO2, PSO4
CO4	Ability to determine the role theatre plays as a medium of mass communication in the development of society.	Decision Making	L5	PO3, PO4, PSO3, PSO4, PSO 5
CO5	Ability to expand knowledge about media software.	Leadership/ Management/ Communication	L6	PO3, PO4, PSO3, PSO4, PSO 5

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	IV	Computers and Multimedia II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to recall and classify what goes behind the scene and help them choose their stream.	Intellectual	L1/L2	PO1 PSO1, PSO2
CO2	Ability to construct project papers with softwares in final year projects.	Problem solving	L3	PO1, PO2, PSO3, PSO4
CO3	Ability to analyse different softwares and their utilisation.	Analytical	L4	PO1, PO4, PSO3, PSO4
CO5	Ability to design magazines, newspapers, and other media content using various applications.	Leadership/ Management/ Communication	L6	PO3,PO4 PSO3, PSO4, PSO5.

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	IV	Film Communication II

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to Identify and define the formal and stylistic features of the cinema.	Intellectual	L1/L2	PO1 PSO1, PSO2
CO2	Ability to build awareness about the economic contribution of Indian cinema.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO4
CO3	Ability to categorize the process of marketing a film.	Analytical	L4	PO1, PO2, PSO2
CO5	Ability to develop knowledge of making technically and grammatically good films.	Leadership/ Management/ Communication	L6	PO3,PO4 PSO3, PSO4,PSO 5

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	IV	Media Laws and Ethics

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to summarize laws that impact electronic, print and digital media	Intellectual	L1/L2	PO1, PO2 PSO1, PSO2
CO2	Ability to build the social and ethical responsibility of the media.	Problem solving	L3	PO2, PO5, PSO4, PSO5
CO3	Ability to analyze the right to free speech with appropriate constraints.	Analytical	L4	PO1, PO2 PSO2, PSO4
CO5	Ability to develop understanding of the media's moral obligation.	Leadership/ Management/ Communication	L6	PO1, PO5, PSO2, PSO4



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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	IV	Mass Media Research

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and classify research approaches	Intellectual	L1/L2	PO1, PO2, PSO1, PSO2
CO2	Ability to prepare a plan to carry on research.	Problem solving	L3	PO2, PO5, PSO2, PSO3
CO3	Ability to classify research approaches and equip them with tools to carry on research.	Analytical	L4	PO1 , PO2, PO3, PSO2, PSO4
CO5	Ability to formulate techniques of media research, their utility and limitations.	Leadership/ Management/ Communication	L6	PO2, PO5,PSO2 PSO3, PSO4

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	IV	Writing and Editing for Media

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to write and paraphrase in different styles that fit in various media platforms.	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	Ability to build information gathering skills and techniques.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to relate similarities and differences in writing for all forms of media including internet and digital.	Analytical	L4	PO 2, PO4, PSO3, PSO4
CO5	Ability to develop knowledge of different news and copy formats along with appropriate style-sheets and layout.	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4, PSO5

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	V (Advertising)	Copywriting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to recognise and illustrate necessary skills required for print and digital media.	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	Ability to plan the process of creating original, strategic, compelling copy for various media.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to articulates rudimentary techniques of advertising headline and body copywriting, the economy of words and thought peculiar to this type of writing, and the necessity of creative thinking in written expression.	Analytical	L4	PO 2, PO4, PSO3, PSO4, PSO5
CO5	Ability to expand skills and procedures for commercial copywriting.	Leadership/ Management/ Communication	L6	PO4, PO5, PSO2, PSO4, PSO5

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	V (Advertising)	Documentary and Ad film making

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to recognise and map various genres in Documentary and Ad film making.	Intellectual	L1/L2	PO1 PSO1, PSO2
CO2	Ability to build basic skills in the practical aspects of Documentary and Ad Film making.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Ability to analyze and forecast issues and genres related to the various aspects of society.	Analytical	L4/L5	PO1, PO2, PSO2, PSO3
CO5	Ability to produce audio visual communication effectively.	Leadership/ Management/ Communication	L6	PO3, PO4 PSO3, PSO4, PSO5

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	V (Advertising)	Agency Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and interpret different departments from Advertising agencies.	Intellectual	L1/L2	PO1, PSO1
CO2	Ability to analyze the concepts, techniques and give experience in the application of concepts for developing an effective advertising campaign.	Problem solving	L3	PO2, PO4, PSO1, PSO4
CO3	Ability to articulate different aspects of running an advertising agency	Analytical	L4	PO4, PSO2, PSO4
CO4	Ability to estimate how an ad agency works and what opportunities exist.	Decision Making	L5	PO3, PSO3, PSO4
CO5	Ability to formulate competencies thereby enabling to undertake professional work with the advertising industry.	Leadership/ Management/ Communication	L6	PO2, PO4, PSO2, PSO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Multimedia and Mass Communication	V (Advertising)	Brand Building

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to summarise the awareness and growing importance of Brand Building.	Intellectual	L1/L2	PO1, PO2, PSO1
CO2	Ability to build new brands in the contemporary market.	Problem solving	L3	PO1, PO4, PSO2, PSO4
CO3	Ability to categorize different brands and their characteristics.	Analytical	L4	PO1, PO4, PSO2, PSO4
CO5	Ability to design different brand building strategies.	Leadership/ Management/ Communication	L6	PO2, PO5, PO3, PSO3 , PSO4, PSO5

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	V (Advertising)	Advertising and Marketing Research

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to interprets Qualitative Vs Quantitative research methodologies.	Intellectual	L1/L2	PO1, PO2, PSO1, PSO2
CO2	Ability to build analytical abilities and research skills among the students.	Problem solving	L3	PO2, PO5, PSO2, PSO3
CO3	Ability to relate the foundations of Research and audience analysis that is imperative to successful advertising.	Analytical	L4	PO1 , PO2, PO3, PSO2, PSO4
CO5	Ability to expand the scope and techniques of Advertising and Marketing research and their utility.	Leadership/ Management/ Communication	L6	PO2, PO5, PSO2 PSO4,

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	V (Advertising)	Consumer Behavior

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and explain the complexities of consumer behaviour, its importance in marketing & advertising.	Intellectual	L1/L2	PO1,PO2, PSO1, PSO2
CO2	Ability to build the relationship between consumer and marketing practices.	Problem solving	L3	PO1,PO2, PSO1, PSO2
CO3	Ability to relate to the sociological & psychological perspective of consumer behaviour.	Analytical	L4	PO1,PO2, PSO1, PSO2
CO5	Ability to develop the results of psychological, sociocultural, and demographic influences on consumer decision-making.	Leadership/ Management/ Communication	L6	PO1,PO2, PSO1, PSO2, PSO4



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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	V (Journalism)	Reporting

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	The learner interprets the basic structure/ essential knowledge for various beats.	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	The learner displays the skills for investigative journalism.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	The learner writes or presents the copy in the format of news. The learner displays a nose for news.	Analytical	L4	PO 2, PO4, PSO3, PSO4
CO5	Ability to write or present the copy in the format of news. The learner displays a nose for news.	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	V (Journalism)	Features and Writing for Social Justice

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to write and describe the art of developing a story idea	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	Ability to illustrate and interpret social issues and the role of media.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to relate assignments to the issues of deprivation in the society and using writing as a tool for social justice.	Analytical	L4	PO 2, PO4, PSO3, PSO4
CO5	Ability to executes the technique of narration and storytelling	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	V (Journalism)	Global Media and Conflict Resolution

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to Identify the difference in the role and structure of the media across the globe.	Intellectual	L1/L2	PO1, PSO1, PSO2
CO2	Ability to examine the potential of the media in resolving conflicts.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to analyze an understanding of the hold of media conglomerates and the issues of cultural differences.	Analytical	L4	PO 2, PO4, PSO3, PSO4
CO5	Ability to develop strategies to resolve communal conflicts on globe level.	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	V (Journalism)	Mobile Journalism and New Media

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify the adaptability of mobile technology and its widespread use have impacted and altered journalism in New Age Media. The most efficient way to prepare for the impending demise of the media and live in a portable first world in the age of new media is through m-learning.	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	Ability to plan, cover and construct news in real-time on a liveblogging platform, working in teams and using a range of mobile techniques and tools.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to analyze future trends with techniques and developments.	Analytical	L4	PO 2, PO4, PSO3, PSO4
CO5	Ability to invent new ideas to generate content through mobile and new media.	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	V (Journalism)	News Media Management

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify the responsibilities, structure and functionality of organisational roles.	Intellectual	L1/L2	PO1, PSO1
CO2	Ability to demonstrate technological advancements in print, electronic and web media.	Problem solving	L3	PO2, PO4, PSO1, PSO4
CO3	Ability to organize individual media businesses and understands the Economic drivers of the media economy.	Analytical	L4	PO4, PSO2, PSO4
CO5	Ability to develop experiments with hands-on experience as content marketers using journalistic and digital techniques.	Leadership/ Management/ Communication	L6	PO3, PSO3, PSO4

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	V (Journalism)	Investigative Journalism

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and interpret the role of investigative reporting in modern journalism.	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	Ability to construct excellent investigative stories of the current situations.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to analyse trends and practices of investigative journalism.	Analytical	L4	PO 2, PO4, PSO3, PSO4
CO5	Ability to expand advanced investigative journalistic skills.	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	VI (Advertising and Journalism)	Digital Media

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to interpret numerous ways of media art to promote social transformation through digital media.	Intellectual	L1/L2	PO1 PSO1, PSO2
CO2	Ability to demonstrate advanced critical thinking skills, inclusive of information literacy across a range of digital and electronic genres.	Problem solving	L3	PO1, PO2, PSO3, PSO4
CO3	Ability to analyze communication and marketing strategies using digital technologies.	Analytical	L4	PO1, PO4, PSO3, PSO4
CO5	Ability to develop skills related to all stages of the media production process, from writing scripts to establishing venues of distribution.	Leadership/ Management/ Communication	L6	PO3,PO4 PSO3, PSO4, PSO5.

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	VI (Advertising)	Advertising Design

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to interpret the process of planning & production of the advertisement.	Intellectual	L1/L2	PO1 PSO1, PSO2
CO2	Ability to examine the importance of visual language as an effective way of communication.	Problem solving	L3	PO1, PO2, PSO3, PSO4
CO3	Ability to relate to ongoing advertising campaigns.	Analytical	L4	PO1, PO4, PSO3, PSO4
CO5	Ability to formulate practical training in the field of advertising & make learners industry-ready.	Leadership/ Management/ Communication	L6	PO3,PO4 PSO3, PSO4, PSO5.



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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	VI (Advertising)	Advertising in Contemporary Society

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to summarize the environment of Advertising in Contemporary Society	Intellectual	L1/L2	PO1, PO2, PSO1, PSO4
CO2	Ability to map the advertising environment of different countries.	Problem solving	L3	PO1, PSO2, PSO4,
CO3	Ability to articulate Liberalization and its impact on the economy and other areas of Indian society.	Analytical	L4	PO2, PO5, PSO2
CO5	Ability to develop advertisements as per the contemporary needs.	Leadership/ Management/ Communication	L6	PO2, PO3, PSO3, PSO4, PSO5

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	VI (Advertising)	Media Planning and Buying

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to interpret and describe procedures, requirements, and techniques of media planning and buying.	Intellectual	L1/L2	PO1, PO3, PSO2, PSO3, PSO4
CO2	Ability to calculate budget allocation for a Media plan and fundamentals.	Problem solving	L3	PO1, PO3, PSO2, PSO3, PSO4
CO3	Ability to analyze various media mix and its implementation	Analytical	L4	PO1, PO3, PSO2, PSO3, PSO4
CO5	Ability to create procedures, requirements, and techniques of media planning and buying.	Leadership/ Management/ Communication	L6	PO1, PO3, PSO2, PSO3, PSO4

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	VI (Advertising)	Rural Marketing and Advertising

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to executes creative skills for advertising strategies	Intellectual	L1/L2	PO1, PO2, PSO1, PSO4
CO2	Ability to Marketing Mix Strategies for Rural Consumer and Agricultural goods and services.	Problem solving	L3	PO1, PSO2, PSO4,
CO3	Ability to define the concept of Rural Marketing and Rural economy.	Analytical	L4	PO2, PO5, PSO2
CO5	Ability to associate with the Rural Environment and the demography of Rural India.	Leadership/ Management/ Communication	L6	PO2, PO3, PSO3, PSO4,

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	VI (Advertising)	Entertainment and Media Marketing

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to describe and interpret marketing practices, frameworks, and trends in the Entertainment Sector.	Intellectual	L1/L2	PO1 PSO1, PSO2
CO2	Ability to solve different case studies regarding radio marketing skills, Social media marketing skills, etc.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3,PSO 4
CO3	Ability to analyze the impact of the media industry on the viewers, understanding its characteristics.	Analytical	L4	PO1, PO2, PSO2, PSO3
CO5	Ability to develop and create successful entertainment marketing applications around the modern world.	Leadership/ Management/ Communication	L6	PO3,PO4 PSO3, PSO4,PSO 5

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Multimedia and Mass Communication	VI (Journalism)	Newspaper and Magazine Making

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to interpret news weightage as well as article relevancy and the visual treatment to the text block.	Intellectual	L1/L2	PO1 PSO1, PSO2
CO2	Ability to construct designs for newspapers and magazines from different aspects of designing.	Problem solving	L3	PO1, PO2, PSO3, PSO4
CO3	Ability to analyse the information and ideas gathered from a variety of print and electronic sources.	Analytical	L4	PO1, PO4, PSO3, PSO4
CO5	Ability to create the process of print media production from the content collection to the final print-ready layout.	Leadership/ Management/ Communication	L6	PO3,PO4 PSO3, PSO4, PSO5.

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### Course Outcomes:

Department	Semester	Course Name
Multimedia and Mass Communication	VI (Journalism)	Fake News and Fact Checking

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify and describe differentiation between real news and fake news.	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	Ability to examine information disorders.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to categorize news on the basis of originality and credibility.	Analytical	L4	PO 2, PO4, PSO3, PSO4
CO5	Ability to expand knowledge about fact-checking.	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	VI (Journalism)	Contemporary Issues

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to recognize and interpret the importance of social-economic political aspects of the society as a media professional.	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	Ability to examine the role of media as a strategy to create awareness on various issues and mobilize to bring social progress.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to analyze various issues in the society and address them effectively as a media professional.	Analytical	L4	PO 2, PO4,PSO3 ,PSO4
CO5	Ability to develop stories and features that will create awareness on various issues and mobilize media professionals towards social change.	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4

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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	VI (Journalism)	Photo And Travel Journalism

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to identify and illustrate the use of cameras and images to drive interest in stories.	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	Ability to demonstrate travel journalism through various aspects of motion photography.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to articulates the ability of the learner to bring life into the story through characters and descriptions of places using photographs.	Analytical	L4	PO 2, PO4,PSO3 ,PSO4
CO5	Ability to categorizes diverse audiences that are interested in travel and lifestyle-related content.	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4



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**Course Outcomes:**

Department	Semester	Course Name
Multimedia and Mass Communication	VI (Journalism)	Television Journalism

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to illustrate the basics of TV genres and essentials of TV journalism.	Intellectual	L1/L2	PO 1, PSO1, PSO2
CO2	Ability to build plans to execute different aspects of television shows.	Problem solving	L3	PO 3, PO5, PSO2, PSO4
CO3	Ability to analyze basic evolution of the TV industry and its growth in India.	Analytical	L4	PO 2, PO4, PSO3, PSO4
CO5	Ability to develop writing abilities to create a storyboard and a script for a multi-camera TV project.	Leadership/ Management/ Communication	L6	PO4, PO 5, PSO2, PSO4, PSO5

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**Master of Arts in Hindi**

**Programme Specific Outcomes:**

**PSO 1 - Knowledge of humanities**

An ability to understand theories & concepts of literature and linguistics.

**PSO2 - Learning of components**

Learning history, trends, forms, styles and components of literature

**PSO3 - Application in real life**

An ability to apply subject knowledge in day today life and relate to real world. Enhancement of communication skills, perfect criticism, content and analytical writing. Better evaluate the contemporary, social, political and cultural issues.

**PSO4 - Develop and practice research**

Inculcate an attitude towards research and explore the unrevealed facts of Hindi literature and present it authentically.

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	I	Paper 1. History of Hindi Literature

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student recognises and compares the trends in history of Hindi literature.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student examines various trends in Hindi literature which has influenced literary forms and subjects	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student analyse the change in literature during different time periods.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student decides and concludes the literary compositions are authentic or not as per time standards.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student expands the literary world by discovering, unrevealed compositions and trends.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Hindi	II	Paper 2. History of Hindi Literature

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO/PSO</b>
CO1	Student recognises and compares the trends in history of Hindi literature.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student examines various trends in Hindi literature which has influenced literary forms and subjects	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student analyse the change in literature during different time periods.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student decides and concludes the literary compositions are authentic or not as per time standards.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student expands the literary world by discovering, unrevealed compositions and trends.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	I	Paper 3. Poetics and Literary Criticism

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student identifies various theories and works of Critics in Poetics.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student demonstrates the theoretical knowledge in practical criticism.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student simplifies the complex theories of poetics while learning poetic literature.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student determines the concepts of Poetics in real poetry.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student develops critical attitude to produce poetic literature with proper communication	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	II	Paper 4. Poetics and Literary Criticism

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student identifies various theories and works of Critics in Poetics.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student demonstrates the theoretical knowledge in practical criticism.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student simplifies the complex theories of poetics while learning poetic literature.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student determines the concepts of Poetics in real poetry.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student develops critical attitude to produce poetic literature with proper communication	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	I	Paper 5. Linguistics and Hindi Language

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student identifies various concepts of Linguistics with examples.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student applies grammar and linguistic skills in practical communication.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student relates the grammatical and linguistic analysis with literary compositions.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student evaluates the linguistic structure of literary compositions.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student invents and produces innovative styles and uses in grammar and linguistics.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	II	Paper 6. Linguistics and Hindi Language

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student identifies various concepts of Linguistics with examples.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student applies grammar and linguistic skills in practical communication.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student relates the grammatical and linguistic analysis with literary compositions.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student evaluates the linguistic structure of literary compositions.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student invents and produces innovative styles and uses in grammar and linguistics.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4



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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	I	Paper 7. Ancient and Medieval Poetry

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student understands the concepts of Ancient and Medieval Poetry.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student examines the trends and virtues of various Saints through Ancient and Medieval Poetry.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student analyse the contemporary Indian society through Ancient and Medieval Poetry.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student concludes and estimates the outcomes of Ancient and Medieval Poetry.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student develops a proper skill to present the Ancient and Medieval Poetry through proper communication.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	II	Paper 8. Ancient and Medieval Poetry

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student understands the concepts of Ancient and Medieval Poetry.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student examines the trends and virtues of various Saints through Ancient and Medieval Poetry.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student analyse the contemporary Indian society through Ancient and Medieval Poetry.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student concludes and estimates the outcomes of Ancient and Medieval Poetry.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student develops a proper skill to present the Ancient and Medieval Poetry through proper communication.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	III	Paper 9. Modern Prose

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student interprets modern Indian Hindi Prose.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student examines the trends and styles in modern Indian Hindi Prose.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student relates the prose literature to real life situations.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student evaluates the outcomes of timeless masterpieces of modern Indian Hindi Prose.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student creates and designs the proper analysis to present modern Indian Hindi Prose.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	III	Paper 10. Modern Poetry

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student interprets modern Indian Hindi Poetry.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student examines the trends and styles in modern Indian Hindi Poetry.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student relates the Poetic literature to real life situations.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student evaluates the outcomes of timeless masterpieces of modern Indian Hindi Poetry.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student creates and designs the proper analysis to present modern Indian Hindi Poetry.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	III	Paper 11. Various Discourse and Literature

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student recognises various discourses (women, scheduled castes and tribals) in literature.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student examines the real situations with different discourses in literature.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student articulates the facts from discourse literature and authenticates them.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student decides and suggests recommendations in actual social circumstances.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student generates a sense to cope with similar real situations described in discourse literature.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	III	Paper 12. Indian Literature

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student learns the translated (from Punjabi, Kannad and Odiya) Indian Literature.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student examines the trends and styles in translated Indian Literature.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student relates the translated Indian Literature to real life situations.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student evaluates the outcomes of timeless masterpieces translated Indian Literature.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student creates and designs the proper analysis to present translated Indian Literature.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	III	Paper 13. Special Study – JaiShankar Prasad

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student understands the speciality of compositions of JaiShankar Prasad	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student builds a sense to apply literary specialities of JaiShankar Prasad.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student categorises literature of JaiShankar Prasad.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student evaluates the outcomes of timeless masterpieces of JaiShankar Prasad	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student creates the proper analysis to present literature of JaiShankar Prasad.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	IV	Paper 14. Diasporic Hindi Literature

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student recognises various aspects of Diasporic Hindi Literature	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student examines the real situations with Diasporic Hindi Literature	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student articulates the facts from Diasporic Hindi Literature and authenticates them.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student decides and suggests recommendations in actual social circumstances.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student generates a sense to cope with similar real situations described in Diasporic Hindi Literature.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4



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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	IV	Paper 15. Mass Communication

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student understands different forms of mass communications.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student demonstrates different skills of mass communications in practical.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student analyse the impact of different forms of mass communications in practical situations.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student determines the power of mass communication and uses it with perfection.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student designs and creates his/her own content for mass communication.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**MA Course Outcomes:**

Department	Semester	Course Name
Hindi	IV	Paper 16. Project Writing

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Student learns research methodology.	Intellectual	L1/L2	PO1, PSO1 PSO2 PSO4
CO2	Student applies the research methodology to prepare synopsis.	Problem solving	L3	PO1, PO2, PSO1, PSO2, PSO3, PSO4
CO3	Student sketches research structure to move forward in research field.	Analytical	L4	PO1, PO2, PO3, PSO2, PSO3, PSO4
CO4	Student concludes and determines the research tools and components.	Decision making	L5	PO2, PO3, PO4, PSO2, PSO3, PSO4
CO5	Student creates the research material in the form of text presentation.	Leadership/ Management/ Communication	L6	PO2, PO3, PO4, PO5, PSO2, PSO3, PSO4

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**Programmes under the Faculty of Science**

- Bachelor of Science
- Bachelor of Science in Information Technology
- Master of Science in Chemistry
- Master of Science in Information Technology

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**Programme Outcomes:**

**PO1 – Intellectual breadth**

- Ability to comprehend knowledge and understand subject.

**PO2 – Critical thinking, Problem solving & Analytical skills**

- Ability to make reasoned judgements that are logical & well thought out.
- Ability to identify problems, brainstorm & analyse answers & implement the best solutions.

**PO3 – Decision making**

- Ability to make rational decisions.

**PO4 – Skill Development**

- Acquire skills to transform into a competent human resource.

**PO5 – Research Aptitude**

- Ability to search for, locate, extract, organise, evaluate & present information that is relevant to a particular topic.

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**Programme Specific Outcomes: B.Sc. Chemistry**

- PSO1** - Gain knowledge about the fundamental concepts of Chemistry.
- PSO2** - Employ critical thinking and scientific knowledge to solve problems in chemistry
- PSO3** - Appreciate the central role of chemistry in our society and use this as a basis for ethical behaviour in issues facing chemists including an understanding of safe handling of chemicals, environmental issues and key issues facing our society in energy, health and medicine.

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	I	CHEMISTRY-I USCH 101

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define various thermodynamic terms and to deduce thermodynamic equations and to solve numerical of thermodynamics based on various equation.	Remember Analyse Solve	L1 L2 L6	PO1 PO2 PO4
CO2	Ability to define various concentration terms and preparation of solutions of different concentration and to solve numerical based on various formula used in chemical calculation	Remember Analyse Solve	L1 L4 L6	PO1 PO2 PO4 PO5
CO3	Explain atomic structure using various theories and compare different theories of atomic model	Remembering Understanding	L1 L2	PO1 PO2
CO4	Classification of periodic tables on the basis of properties. Predict properties using periodicity	Understanding Evaluating	L2 L5	PO1 PO2 PO4
CO5	Ability to classify various organic compound and apply IUPAC rules for writing and drawing structure of organic compound.	Apply Problem solving	L 3 L6	PO2
CO6	Ability to define various types hybridisation in organic compound and to apply this concept in predicting hybridisation, geometry, shape and bond angle of various organic molecules. Understanding fundamental of organic reactions and its application in predicting product of various reactions.	Remembering Apply Evaluation Problem solving	L1, L3 & L5	PO2 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	I	CHEMISTRY-II USCH102

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define & understand and derive the equation for different rate law and also able to apply the concept for calculation of half life period and apply the equation for solving numerical.	Analysing Applying Remembering Understanding	L1 L2 L3 L4 L6	PO1 PO2 PO4 PO5
CO2	Ability to understand the concept and properties of liquid state, define various terms and derive their equations and solve numerical.	Remembering Understanding Applying Calculating Solving	L1 L2 L3 L4 L6	PO1 PO2 PO4 PO5
CO3	Ability to analyse and compare various properties of main group elements Ability to understand environmental aspects which are the causes of pollution	Analysing Applying Evaluating	L4 L3 L5	PO2 PO5
CO4	Ability to learn some important compounds and their applications in various fields	Understanding Applying	L2 L3	PO1 PO2
CO5	Explain various projection formulas and apply this concept to draw stereoisomer of a given compound.	Explaining Applying	L1 L2 L3	PO1 PO2
CO6	Differentiate isomers and predict optical activity of a given organic compound. Draw conformational isomers and predict it's stability.	Analysing	L4 L5 L6	PO2 PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	I	CHEMISTRY-I PRACTICALS USCHP1

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to standard solution and to find concentration of solution.	Applying	L3 L4	PO5 PO1 PO2
CO2	Ability to apply the knowledge of different indicator in determination of end point	Applying	L3 L4	PO1 PO2 PO3
CO3	Ability to analyse different inorganic compound by titration method	Analysing	L4	PO2
CO4	Ability to determine viscosity of different liquids	Applying	L3	PO3
CO5	Ability to Evaluate rate constant of different reactions	Evaluating Decision making	L5 L4	PO5



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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	I	CHEMISTRY-II PRACTICAL USCHP2

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to define, understand the concept of recrystallisation using suitable solvent	Problem solving Applying	L1 L3	PO1 PO3
CO2	Ability to Evaluate the type of organic compounds	Evaluating	L5	PO2 PO5
CO3	Ability to calculate the percentage composition of a mixture	Analysing	L4	PO2
CO4	Ability to Characterise different organic compound	Analysing	L4	PO1 PO5
CO5	Ability to determine physical constant of different organic compound	Applying	L3	PO3 PO2

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	II	CHEMISTRY-I USCH201

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to explain and understand chemistry of alkanes and name reactions responsible for forming saturated compound and applying this concept to predict product of various organic reaction.	Remember Apply Problem solving Analyse	L1 L2 L6 L4	PO1 PO2 PO4
CO2	Ability to define various rules of elimination reactions and applying this rule to compare stability of various products. Chemistry of unsaturated organic molecules, its preparation and reactions	Define Apply Problem solving	L1 L2 L6	PO1 PO2 PO4
CO3	Ability to identify different types of reactions and testing of gaseous evolutes. Ability to apply different principles in analysis	Remembering Understanding Applying Evaluating	L1 L2 L3 L5	PO2 PO4 PO5
CO4	Ability to remember the acid-base concept Ability to apply the concepts in reactions	Understanding Applying Analysing	L2 L3 L4	PO2 PO4 PO5
CO5	Ability to explain important gaseous theory, gaseous equations, gas laws and its deviations and applying this concepts to solve numerical based on gas theories.	Remember Apply Create	L1 L4 L6	PO2 PO4 PO5
CO6	Ability to define various terms used to explain electrochemistry, thermodynamics and in chemical equilibrium. and to derive derivation based on these concepts and to solve numerical on these concepts	Remember Apply Evaluate Problem solving	L1 L3 L5	PO2 PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	II	CHEMISTRY-II USCH202

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to define, understand and explain the concept of strong and weak electrolytes, ionization, derive equations and also calculate dissociation constant Apply the concept of pH scale and solve numericals and also understand the concept of buffers.	Analysing Applying Remembering Understanding	L1 L2 L3 L4 L6	PO1 PO2 PO4 PO5
CO2	Ability to define radiation and matter and also comment on different types of interaction between radiation and matter and understand the principle of different types of spectroscopy	Analysing Applying Remembering Understanding	L1 L2 L3 L4 L6	PO1 PO2 PO4 PO5
CO3	Ability to understand types of chemical bonds Ability to predict shapes of molecules on the basis of VSEPR theory	Remembering Applying Analysing Evaluate	L1 L3 L4 L5	PO2 PO3 PO4
CO4	Ability to understand oxidation reduction chemistry Ability to apply the concept in volumetric analysis	Remembering Evaluate Applying	L1 L5 L3	PO1 PO2 PO4
CO5	Understand Huckel's Rule of Aromaticity and apply the rule to predict whether the given compound is aromatic/ non-aromatic/ anti-aromatic. Predict structure of an intermediate using Hammond's postulate and design mechanism of electrophilic substitution reaction. Understand various types of strains and predict stability of conformations based on strain theory	Remembering Applying Predicting Designing	L1 L3 L4 L6	PO1 PO2 PO3 PO5

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	II	CHEMISTRY-I PRACTICAL USCHP1

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to determine the end point of reaction by instrumental method	Applying	L3	PO2 PO5
CO2	Ability to validate Beer's Lambert law	Evaluating	L5	PO1 PO2
CO3	Ability to understand the concept of safety measures and applying in Laboratory	Understanding Applying	L2 L3	PO1 PO3
CO4	Ability to analyse a mixture using semi micro qualitative analysis method	Analysing	L4	PO2 PO1
CO5	Ability to understand the concept of Henderson's equation and to determine dissociation constant of weak acid/base.	Understanding	L2	PO1 PO3

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	II	CHEMISTRY- II PRACTICAL USCHP2

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to differentiate between iodometry and iodimetry using different titration method	Analysing	L4	PO2 PO1
CO2	Ability to characterise organic compound	Analysing	L4	PO1 PO5
CO3	Ability to detect elements present in organic compounds	Evaluating	L5	PO2 PO3
CO4	Ability to calculate the percentage composition of an metal using iodometric titration	Analysing	L4	PO2
CO5	Ability to detect the presence of different functional group in organic compound	Evaluating	L5	PO2

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	III	CHEMISTRY-I USCH 301

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to deduce the equation for variation of Gibb's free energy with P & T and also calculate different thermodynamic parameters like gibbs free energy, Helmholtz free energy, and also understand the concept of fugacity and activity.	Analysing Applying Remembering Understanding	L1 L2 L3 L4 L6	PO1 PO2 PO4 PO5
CO2	Ability to state laws of electrochemistry, and different conductance measurement and also understand concept of transference number & its experimental determination using moving boundary method	Analysing Applying Remembering Understanding	L1 L2 L3 L4 L6	PO1 PO2 PO4 PO5
CO3	Ability to understand chemical bonds Ability to analyze the conditions for formation of bonds	Remembering Analysing Applying	L1 L3 L4	PO1 PO2 PO4
CO4	Ability to remember and understand the concept of hybridisation and formation of molecules Ability to understand the theory in the formation of molecules	Remembering Applying Analysing Evaluating	L1 L3 L4 L5	PO1 PO2 PO4
CO5	Ability to differentiate between $S_N^1$ , $S_N^2$ , $S_N^i$ reactions and predict mechanism of a nucleophilic substitution reaction on basis of various factors. Write IUPAC names of alcohols, phenols, ethers. Remember methods of preparation and chemical reactions of alcohols, phenols and ethers. Design suitable methods for synthesis of an organic compound	Analysing Remembering Designing	L1 L2 L5 L7	PO1 PO2 PO3

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	III	CHEMISTRY-II USCH302

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand thermodynamics of ideal solutions its derivations and apply this knowledge to solve. To define and explain Nernst's distribution law and their applications.	Remembering Understanding Applying Problem solving	L1 L2 L3	PO1 PO2 PO3
CO2	To understand basics of chemical kinetics and solution. To explain types of chemical reactions and to determine and derive equation of energy of activation of different chemical reaction.	Remembering Understanding Applying Problem solving	L1 L2 L3	PO1 PO2 PO3
CO3	Ability to analyse and complete the following reaction using the concept of reaction mechanism	Analysing	L4	PO2
CO4	Ability to understand electron deficient compounds Ability to understand types of bonding present in compounds	Remembering Understanding Applying	L1 L2 L3	PO1 PO2 PO4
CO5	Ability to understand the knowledge of IUPAC nomenclature and apply it to name different organic compound. To predict general mechanism of nucleophilic addition, and acid catalysed nucleophilic addition Reactions of carbonyl compound like aldehyde and ketone	Remembering Understanding Applying Evaluate	L3	PO2
CO6	To write various name reactions of carbonyl compound and its application in predicting and designing new organic molecules.	Analysing Applying Evaluating Create	L1 L3 L4 L5 L6	PO2 PO1 PO4

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	III	CHEMISTRY-III USCH303

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & describe the concept of classical and non classical method of analysis, their types and also to understand the concept of sampling, different sampling techniques	Analysing Applying Remembering Understanding	L1 L2 L3 L4 L6	PO1 PO2 PO4 PO5
CO2	Ability to understand the concept of error and also calculate different types of error, analysis of sample and to grade the results of analysis	Analysing Applying Remembering Understanding	L1 L2 L3 L4 L6	PO1 PO2 PO4 PO5
CO3	Ability to understand theoretical concept of classical method of analysis in different titrimetric methods like neutralisation titration and apply them to determine end point.	Understanding Analysing applying	L2 L3 L4	PO1 PO2 PO4 PO5
CO4	Ability to understand different optical and electrochemical properties, and able to remember and apply different laws of optical methods.	Applying	L3	PO2
CO5	Ability to sketch block diagram for different spectroscopic method, and understand the qualitative and quantitative analysis.	Analysing understanding	L2 L4	PO1



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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	III	CHEMISTRY-I PRACTICAL USCHP1

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to verify Ostwald's dilution law conductometrically	Analysing	L1 L2	PO2
CO2	Ability to determine CST of two component system	Applying	L3	PO2
CO3	Ability to determine the energy of activation	Analysing	L4	PO2
CO4	Ability to investigate the reaction between chemicals with equal initial concentrations of the reactants	Evaluating	L5	PO2
CO5	Ability to identify the ions in a given mixture	Applying	L3	PO2

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	III	CHEMISTRY- II PRACTICAL USCHP2

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to define, understand & estimate total hardness of water	Intellectual	L1 L2	PO1
CO2	Ability to investigate the reaction	Analysing	L3	PO2
CO3	Ability to understand different reactions used in various preparation	Analysing	L4	PO2

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	III	CHEMISTRY-III PRACTICAL USCHP3

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to define, understand & explain gravimetric estimation of transition element	Problem solving	L1 L2	PO1
CO2	Ability to determine ions in solution by using calibration curve method	Applying	L3	PO2
CO3	Ability to analyse commercial sample	Analysing	L4	PO2

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	IV	CHEMISTRY-I USCH 401

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to Define the electrochemistry and thermodynamics terms and also to distinguish between reversible & irreversible cells and calculate $\Delta H, \Delta G, \Delta S$ for a reversible cell	Remembering Understanding Applying	L1 L2 L3	PO1 PO3 PO2
CO2	Ability to understand, draw and analyse phase diagram of water and other two component system and to calculate degree of freedom in each areas	Remembering Analysing Applying	L1 L3 L4	PO2 PO1 PO4
CO3	Ability to remember transition elements and compare their properties Ability to understand the principles of extraction process	Remembering Analysing Applying	L1 L3 L4	PO1 PO2 PO4
CO4	Ability to understand the concept of coordination compounds Ability to understand the theories involved Ability to apply the concept in various fields	Understanding Remembering Analysing Evaluating	L1 L2 L4 L5	PO1 PO2 PO4
CO5	Ability to write IUPAC names of carboxylic acids, their derivatives and sulphonic acids. Remember methods of preparation and chemical reactions of carboxylic acids and sulphonic acids and apply them to develop synthetic route of a given organic compound. Predict and compare acidic strength of a given acid.	Remembering Applying Predicting Comparing Developing	L1 L3 L5 L6	PO1 PO5

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	IV	CHEMISTRY- II USCH402

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand reaction mechanism and its application to different organic compounds and ability to classify and prepare heterocyclic compound and prediction of new heterocyclic compound	Remembering Understand Apply Evaluate	L1 L2 L3 L4	PO1 PO2 PO3
CO2	Ability to apply the knowledge of IUPAC nomenclature to name nitrogen containing compounds and heterocyclic compounds,	Remembering Understand Apply Evaluate	L1 L2 L3 L4	PO1 PO2 PO3
CO3	Ability to define law of crystallography and to understand the characteristics features of types of crystals To define and explain X-rays and its working and how it is used in determining structure of different inorganic compounds	Remembering Understand Apply Evaluate	L1 L2 L3 L4	PO1
CO4	Ability defines terms used in catalysis and compare types of catalysis. To derive equations involving enzyme catalysed reactions and acid base catalysed reactions.	Remembering Understand Apply Analyse Evaluate	L1 L2 L3 L4 L5	PO2 PO1 PO4
CO5	Ability to understand the concept of acidity and basicity Ability to classify the species	Understanding Analysing	L2 L4	PO2 PO4
CO6	Ability to understand the concept of pollution, causes and effects. Ability to understand the environmental aspects	Understanding Analysing Evaluating	L2 L4 L5	PO1 PO2 PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	IV	CHEMISTRY-III USCH403

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to define, understand different terms involved in chromatography and application of it	Understanding Applying Evaluating	L2 L3 L5	PO1 PO2 PO4
CO2	Ability to apply the knowledge of different separation techniques and to do qualitative and quantitative analysis with different separation techniques	Problem solving Understanding Applying Evaluating	L4 L2 L3 L5	PO2 PO1 PO3
CO3	Ability to discuss the different method used to determine the equivalence point from graphical data and to apply the principle of different separation techniques	Understanding Evaluating Applying	L2 L5 L4	PO2 PO1 PO4
CO4	Ability to define and explain different instrumental techniques like Potentiometry, pH metry & Conductometry and to describe different types of conductometric titration and its Application.	understanding Remembering Applying	L2 L1 L4	PO1 PO2 PO3
CO5	Ability to explain different test used in analysis for rejection of doubtful data and to decide which data to be kept and to analyse it graphically	Evaluating understanding Analysing	L2 L5 L1	PO1 PO5 PO2

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	IV	CHEMISTRY-I PRACTICAL USCHP4

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to define, understand & determine thermodynamic factors using potentiometer	Applying	L3	PO2
CO2	Ability to compare the strength of acids studying kinetics	Analysing	L4	PO2
CO3	Ability to apply microscale method in complex preparation	Applying	L3	PO2

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	IV	CHEMISTRY-II PRACTICAL USCHP5

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to understand & analyse bifunctional organic compound	Analysing	L4	PO2
CO2	Ability to determine physical constants	Analysing	L4	PO2
CO3	Ability to analyse the elements & functional groups present	Applying	L3	PO2



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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	IV	CHEMISTRY-III PRACTICAL USCHP6

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to handle conductometer & conductivity cell	Problem solving	L1 L2	PO1
CO2	Ability to learn the working of potentiometer & indicator electrode and reference electrode	Applying	L3	PO2
CO3	Ability to learn the skill required to carry out the digestion & incineration	Analysing	L4	PO2

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry	V	PHYSICAL CHEMISTRY USCH501

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand, apply principles of dipole moment to structure determination, Comprehend the fundamentals of rotational, vibrational and Raman spectra of molecules and derive equations, distinguish between IR and Raman spectroscopy and solve numericals	Problem solving	L1 L2 L3 L4 L6	PO1 PO2 PO4
CO2	Ability to apply Raoult's Law and Clapeyron Equation to study Colligative Properties, measure lowering of vapour pressure, understand reaction dynamics, derive equations for elevation of boiling point and depression of freezing point, understand the laws of osmotic pressure, study the methods to determine osmotic pressure	Understanding Applying Analytical Evaluating	L1 L2 L3 L4 L6	PO1 PO2 PO4
CO3	Ability to define different terms of nuclear chemistry, understand the methods of measurement of radioactivity, apply the use of radioisotopes, Differentiate between nuclear fission and nuclear fusion processes,	Analytical	L1 L2 L3 L4 L5	PO2
CO4	Ability to distinguish between physical and chemical adsorption, remembering the principles of Surface Chemistry, derive the equations for Langmuir adsorption isotherm, studying the definitions of colloidal terms, apply the concept of electrical double layer, learn to classify surfactants	Problem solving Analysing applying	L1 L2 L3 L4 L5	PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	V	INORGANIC CHEMISTRY USCH 502

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to understand the concept of molecular symmetry Ability to apply this concept in various molecules	Intellectual Understanding Applying	L1 L2 L3	PO1 PO2 PO4
CO2	Ability to understand theories of bonding Ability to apply Molecular orbital theory for Different molecules	Understanding Applying Analyzing	L2 L3 L4	PO1 PO2 PO4
CO3	Ability to learn the concept of solid state chemistry Ability to learn the concept of superconductivity	Understanding Applying Analytical Evaluating	L2 L3 L4 L5	PO1 PO2 PO4
CO4	Ability to understand the basics of inner-transition elements Ability to identify the sources and extraction process Ability to analyse the applications	Understanding Analysing Applying Evaluating	L2 L3 L4 L5	PO1 PO2 PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Chemistry	V	USCHP01& USCHP03

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to find the order of a reaction	Problem solving	L1	PO2
CO2	Ability to understand the concept of surface chemistry	Intellectual	L2	PO1
CO3	Ability to determine the endpoint of titration using instrumental method	Analytical	L3	PO2
CO4	Ability to learn the skills required in the preparation of complexes	Applying	L3	PO2
CO5	Ability to understand the principles of qualitative & quantitative analysis	Applying	L3	PO2

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	V	ORGANIC CHEMISTRY USCH503

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand terms and concepts in organic mechanism. Predict mechanism of a given organic reaction. Define pericyclic reactions and differentiate between various pericyclic reactions. Understand various terms and processes in photochemistry. Write photochemical reactions of olefins and carbonyl compounds	Remembering Evaluation Analyse	L1 L4 L5	PO1 PO2 PO4 PO5
CO2	Understand and define elements of symmetry and assess stereochemistry of a given organic compound Classify agrochemicals on basis of various factors and write synthesis of IAA and Endosulfan Remember and write preparation and reactions of pyridine – N- oxide, quinoline and isoquinoline	Remembering Evaluating Understanding	L1 L2 L5	PO1 PO2 PO4 PO5
CO3	Ability to apply IUPAC rules for writing name and drawing structure of an organic compound. Classify organic synthesis into linear and convergent. Understand and write multicomponent synthesis. Remember and analyse 12 principles of green chemistry. Plan organic synthesis on the basis of principles of green chemistry.	Remembering Applying Analysing Creating	L1 L2 L4 L6	PO1 PO2 PO5

CO4	<p>Understanding basic theory of UV-Vis and Mass spectroscopy.</p> <p>Analysing effect of conjugation on absorption in UV-Vis region.</p> <p>Predicting fragmentation patterns of alkanes and carbonyl compounds.</p> <p>Application of Rule of 13.</p> <p>Define isoprene rule. Understand structural determination of citral and Nicotine.</p>	<p>Understanding</p> <p>Analysing</p> <p>Evaluate</p>	<p>L2</p> <p>L4</p> <p>L5</p>	<p>PO1</p> <p>PO2</p> <p>PO3</p> <p>PO5</p>
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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	V	ANALYTICAL CHEMISTRY USCH504

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain sampling and different sampling techniques And to do analysis with different sampling techniques	Remembering Understand Analyse Evaluate	L1 L2 L4 L5	PO1 PO2 PO5
CO2	Ability to apply the concept of calculating concentration with different numerical formula and express it in different concentration	Apply Evaluate Problem solving	L3 L5 L4	PO5 PO2 PO3
CO3	Ability to define, understand and explain different titrations and to construct different titration curve	Understand Remember Analysing and Applying	L4 L2 L1 L3	PO2 PO1 PO3
CO4	Ability to define and evaluate different types of atomic spectroscopy and difference between turbidity and nephelometry	Evaluating Understanding Remembering	L5 L2 L4 L1	PO2 PO3 PO4
CO5	Sketch schematic diagram of HPLC and give labelling of important parts and to understand functions of different parts.	Analysing Understanding Applying	L4 L3 L2	PO1 PO3 PO5

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	V	USCHP05 & USCHP07

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to Measure the magnesium and calcium in talcum powder	Evaluating	L5	PO3
CO2	Ability to determine COD of water sample	Applying	L3	PO1
CO3	Ability to understand the concept of turbidity and its application	Understanding Applying	L2 L3	PO2
CO4	Identify the chemical type of the given organic mixture and applying the principles of separation to separate the mixture into its components	Analysing Applying	L4 L3	PO3 PO4 PO5
CO5	Ability to identify one separated component using qualitative analysis.	Analysing	L4	PO4 PO5



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### Course Outcomes:

Department	Semester	Course Name
Chemistry	V	APPLIED CHEMISTRY USACD501

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, characterise and classify drugs on the basis of their therapeutic action. To understand various Routes of Drug Administration and Dosage Forms and to define pharmacodynamics agents. and to study with respect to their chemical structure, chemical class, therapeutic uses, and side effects and to classify CNS drug.	Remember Understand Apply Analyse Evaluate	L1 L2 L3 L4 L5	PO2 PO1 PO4
CO2	Ability to analyse various of drug administration and dosage forms. Ability to define and explain mechanism of inflammation and various inflammatory condition of various drugs like Analgesics, Antipyretics and Anti-inflammatory	Analyse Remember Understand	L4 L3 L2	PO2 PO1 PO4
CO3	To define, Understand and explain dyes and dyestuff To define and classify natural and synthetic dye, based on applications and dyeing methods, based on applicability on substrates and their applications. Ability to apply the knowledge of various types of dyes used in dyeing industry Ability to provide all learners a complete insight about optical brighteners and its application in dyes industry	Remember Understand Apply Analyse Evaluate	L1 L2 L3 L4 L5	PO2 PO1 PO4
CO4	To define, understand and explain the unit process and Dye Intermediates and to describe theories of Colour and Chemical Constitution of Dyes.	Remember Understand Creating	L1 L2	PO2 PO1 PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Chemistry	V	USACDD5P1

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to apply theoretical knowledge of organic reaction and its application in preparing dyes and dye a fabric using the same.	Apply	L3	2
CO2	Ability to estimate the amount of drug in a given sample by non- instrumental techniques.	Evaluate	L5	4
CO3	Ability to understand the separation and its application in separation natural pigment by paper chromatography technique	Understand Apply	L4	2

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry	VI	PHYSICAL CHEMISTRY USCH601

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to Outline the applications of Galvanic Cells, derive the equations for various cells, Distinguish between chemical & concentration cells, apply the concept of decomposition potential, Determine overvoltage and decomposition potential and solve numericals	Intellectual	L1 L2 L3 L4 L6	PO1
CO2	Ability to Classify polymers based on various properties, understand the preparation of LEP, learn the definition of various terms, solve numericals	Problem solving	L1 L2 L3 L4 L6	PO2
CO3	Ability to analyse, understand the basic operations used in Quantum Chemistry. Ability to apply equations for solving numerical.	Analytical	L3 L4	PO5
CO4	Ability to Understand the principles of NMR, Study ESR spectroscopy and apply the same for study of spectrum of hydrogen and deuterium		L2 L3	PO2

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	VI	INORGANIC CHEMISTRY USCH 602

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand the metal ligand bonding in compounds Ability to understand its applications and limitations Ability to apply it in checking the stability of compounds	Intellectual Applying Evaluating	L1 L2 L3	PO1 PO2 PO4
CO2	Ability to apply molecular orbital theory in coordination compounds Ability to learn different types of bonds possible in compounds Ability to understand the stability of metal complexes Ability to understand the reactivity of metal complexes Ability to understand the electronic spectra of complexes	Applying Analyzing Understanding	L3 L4 L2	PO2 PO4 PO1
CO3	Ability to develop an understanding of organometallic chemistry Ability to learn metallocenes and study its reactions Ability to develop an understanding of catalysis and applications	Understanding Applying Analyzing	L2 L3 L4	PO1 PO2 PO4
CO4	Ability to understand general steps of metallurgy and its applications Ability to learn chemistry of group 18 elements Ability to understand the concepts of bioinorganic chemistry and applications	Understanding Applying Analyzing	L2 L3 L4	PO1 PO2 PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Chemistry	VI	USCHP02& USCHP04

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to find the molecular weight of a polymer solution	Problem solving	L1	PO2
CO2	Ability to understand the concept of conductometric titration	Intellectual	L2	PO1
CO3	Ability to determine the endpoint of titration using instrumental method	Analytical	L3	PO2
CO4	Ability to learn the skills required in the preparation of complexes	Analyzing	L4	PO2
CO5	Ability to understand the principles of qualitative & quantitative analysis	Applying	L3	PO2

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**Course Outcomes:**

Department	Semester	Course Name
CHEMISTRY	VI	ORGANIC CHEMISTRY USCH603

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to distinguish between stereoselectivity and stereospecificity and predict stereochemistry of various reactions based on their mechanism. Understand structure, configuration, classification and properties of $\alpha$ – amino acids, polypeptides and proteins	Understanding Evaluation	L1 L5	PO1 PO2 PO5
CO2	Predict the stereochemistry and mechanism of molecular rearrangements. Classify carbohydrates. Derive Haworth projection formula from open chain structure. Predict products of reactions of carbohydrates.	Applying Evaluation Understand	L3 L5 L2	PO3 PO4 PO5
CO3	Understand basic theory of IR and NMR spectroscopy. Predict the chemical shift based of proton based on its chemical environment and magnetic anisotropy. Formulate the structure of an organic compound based on its spectral data. Understand the structure of nucleosides, nucleotides, DNA and RNA	Remembering Analysing Creating	L1 L4 L6	PO1 PO2 PO3 PO5
CO4	Ability to understand various terms in polymers. Differentiate between addition and condensation polymerisation. Remember synthesis of some polymers. Predicting the product for reactions using various catalysts and reagents.	Understanding Analysing Evaluating	L2 L4 L5	PO1 PO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	VI	ANALYTICAL CHEMISTRY USCH604

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to define, understand the importance of analytical method of validation	Remembering Apply	L1 L3 L5	PO1 PO2 PO3
CO2	Ability to understand the principle of electroanalytical techniques like polarography and amperometric titrations and to apply them in calculating numericals	Problem solving Apply Understand	L3 L4 L2	PO3 PO1 PO4
CO3	Ability to define different terms used in food and cosmetic industries and to analyse different food and cosmetic samples and to do analysis.	Analyse Remember	L4 L1	PO1 PO2 Po4
CO4	Ability to evaluate different thermograms with different thermal methods	Evaluate Understand	L5	PO2 PO1 PO3
CO5	Ability to understand different titrations and how to construct different titration curves	Apply Understand	L3 L2	PO2 PO3 PO1

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
CHEMISTRY	VI	USCHP06 &USCHP08

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to Estimate the amount of reducing sugar	understanding	L2	PO1
CO2	Ability to understand the working of pH meter and to determine the amount of any sample using pH meter	Understanding Evaluate	L2 L5	PO2
CO3	Ability to understand the concept of ion exchange chromatography and to analyse the mixture for its separation using ion exchange chromatography	Understanding Evaluate	L2 L5	PO2
CO4	Identify the chemical type of the given organic mixture and applying the principles of separation to separate the mixture into its components	Analysing Applying	L4 L3	PO3 PO4 PO5
CO5	Ability to identify one separated component using qualitative analysis.	Analyse	L4	PO4 PO5



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**Course Outcomes:**

Department	Semester	Course Name
Chemistry	VI	APPLIED CHEMISTRY USACD601

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to explain and introduce Drug Discovery, Design and Development and their uses. Ability to define and explain Drug Metabolism and Chemotherapeutic Agents and its application in medicinal field.	Remember Create Apply	L1 L6 L3	PO1 PO2
CO2	Ability to analyse given types of Fibres and its preparation using different chemical method Ability to discuss design and develop Drug Intermediates, Anti-HIV Drugs, Anti-Neoplastic Drugs, Antitubercular and Antileprotic Drugs and their uses as chemotherapeutic agents	Analyse Remember Understand Create	L3 L1 L2 L6	PO3 PO1 PO4
CO3	Ability to understand classification of dyes based on the basis of applications and dyeing methods. To understand and apply Health Environmental Hazards of Synthetic Dyes their Remediation Processes.	Analyse Remember Understand Create	L3 L1 L2 L6	PO3 PO1
CO4	Ability To recognise the given type of dye and its classification of based on chemical constitution and synthesis of selected dyes Ability to explain and uses of Non-textile dyes, Pigments and Dyestuff Industry - Indian Perspective.	Analyse Remember Understand Create	L3 L1 L2 L6	PO3 PO1 PO2

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Chemistry	VI	USACDD6P1

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to prepare monograph of a drug.	Apply Create	L3 L6	PO1 PO2
CO2	Ability to apply theoretical knowledge of organic reaction and its application in preparing various types of drugs.	Apply	L2	PO2
CO3	Ability to understand the separation and its application in separation natural pigment by thin layer chromatography technique	Understand Apply	L2 L3	PO2

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### **Programme Specific Outcomes: B.Sc. Mathematics**

**PSO-1**- Understand the mathematical concepts and applications in the field of algebra, analysis, computational techniques, optimization, differential equations, numerical methods.

**PSO-2** - Create mathematical ideas from basic axioms.

**PSO-3** - The students can express and formulating applied problems in terms of mathematical and statistical languages.

**PSO-4** - The students study mathematical logic which develops the spirit of analytical thinking.

**PSO-5** - The students can use computational and algorithmic versions to solve real life problems.

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	I	Mathematics 1 Calculus 1 USMT 101

CO No.	Course Outcomes	Skill	Bloom's Level	PO/ PSO
CO1	Ability to understand the graphs of basic functions	Intellectual	L1 L2	PO PSO1
CO2	Ability to give the man insight on application of differential calculus in industries. Ability to calculate first order, first degree differential equations, prepare learner to get solutions of many kinds of problems in all subjects of science and also prepare learner for further studies of differential equations and related fields.	Problem solving	L3	PO2
CO3	Ability to analyze the behavior of functions.	Analytical	L4	PO2 PSO3
CO4	Ability to evaluate solutions of a second-degree differential equation.	Decision making	L5	PO2 PSO2

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	I	Mathematics II USMT 102

CO No.	Course Outcomes	Skill	Bloom's Level	PO/ PSO
CO1	Ability to make the learner thinks in a critical manner.	Intellectual	L1 L2	PO1 PSO1
CO2	<ul style="list-style-type: none"><li>Ability to evaluate and effectively use the information for the issue or problem at hand.</li><li>Ability to apply mathematical arguments in a logical manner.</li><li>Ability to acquire good knowledge and understanding in advanced areas of mathematics and statistics, chosen by the student from the given courses.</li><li>Ability to apply quantitative models arising in social science, businesses and other contexts.</li></ul>	Problem solving	L3	PO2 PO3
CO3	Ability to evaluate and effectively use the information for the issue or problem at hand.	Analytical	L4	PO2 PO3 PSO5
CO4	Ability to evaluate G.C.D., L.C.M. of numbers and polynomials.	Decision making	L5	PO2
CO5	Ability to develop mathematical arguments in a logical manner and acquire good knowledge and understanding in advanced areas of mathematics and statistics, chosen by the student from the given courses.	Create	L6	PO3

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	II	Calculus 2 USMT 201

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Ability to define, understand & explain series, limits and continuity of functions, differentiation of function, local and absolute extrema	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to apply Cauchy criterion, $p$ –series test, comparison test, limit form of comparison test, alternating series test, root test, ratio test for convergence of series; Bolzano's theorem and sequential continuity, L'Hospital's rule, intermediate value theorem, mean value theorem	Problem solving	L3	PO1 PO2
CO3	Ability to analyse convergence, divergence, absolute convergence of a series; continuity of a function, differentiability of a function, monotonicity, boundedness, concavity of a function;	Analytical	L4	PO1 PO2 PO3 PSO4
CO4	Ability to evaluate limit of a series, limit of a function, local and absolute extrema, derivatives of functions and inverse functions.	Decision making	L5	PO1 PO2 PO5
CO5	Ability to create convergent series from non-convergent series, continuous functions from discontinuous functions of removable discontinuity, Taylor's polynomial, functions that are bounded on an interval	Create	L6	PO1 PO4

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	II	Mathematics II USMT 202

CO No.	Course Outcomes	Skill	Bloom's Level	PO/ PSO
CO1	Ability to understand basic algebraic structure in mathematics starting with vector spaces, relation between rank of a matrix and solution space of non-homogeneous system and relation between determinant of a matrix and permutations.	Intellectual	L1 L2	PO1 PSO 1
CO2	<ul style="list-style-type: none"><li>• Ability to apply Cramer's rule to solve the problems in linear equation.</li><li>• Ability to find inverses of matrices using adjoint of the matrix.</li><li>• Ability to apply Gram-Schmidt orthogonalization process to find an orthogonal basis of an inner product space.</li></ul>	Problem solving	L3	PO2
CO3	Ability to analyze non-natural ways of multiplying vectors and defining inner products.	Analytical	L4	PO2
CO4	Ability to determine relation between linear transformations and matrices.	Decision making	L5	PO2
CO5	Ability to develop relation between linear transformations and matrices.	Create	L6	PO5 PSO 2

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	III	Mathematics 1 USMT 301

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain infinite series and Reimann integration	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to apply comparison test, root test, ratio test, $p$ –series test, alternating series test to determine convergence of series.	Problem solving	L3	PO1 PO2
CO3	Ability to analyze convergence of a series, Reimann integrability of a bounded function.	Analytical	L4	PO1 PO2 PO3 PSO4
CO4	Ability to evaluate limit of a convergent series, integral value of a function, improper integrals.	Decision making	L5	PO1 PO2 PO5 PSO5
CO5	Ability to create convergent series and Reimann integrable functions.	Create	L6	PO1 PO4



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### Course Outcomes:

Department	Semester	Course Name
Mathematics	III	Algebra III USMT 302

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain linear transformations, linear isomorphisms, matrices, determinants, inner product spaces, orthogonal vectors	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to apply rank nullity theorem, Cramer's rule, Gram-Schmidt orthogonalization process	Problem solving	L3	PO1 PO2
CO3	Ability to analyze linear isomorphisms, solutions of a system, invertible determinants, orthogonal and orthonormal vectors, Pythagoras theorem.	Analytical	L4	PO1 PO2 PO3 PSO4
CO4	Ability to evaluate linear transformations, rank of matrices, determinants, norm and distances in an inner product space.	Decision making	L5	PO1 PO2 PO5 PSO5
CO5	Ability to create invertible linear transformations and matrices, orthogonal and orthonormal vectors,	Create	L6	PO1 PO4

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	III	Ordinary Differential Equations USMT 303

CO No.	Course Outcomes	Skill	Bloom's Level	PO/ PSO
CO 1	Ability to define, understand & explain the basic concepts of differential equation.	Intellectual	L1 L2	PO1 PSO1
CO 2	Ability to apply the concept of differential equation in the field of medical and engineering.	Problem solving	L3	PO2 PO3
CO 3	Ability to analyze and provide a way to solve problems quickly and easily compared to analytic solutions.	Analytical	L4	PO2 PSO2
CO 4	Ability to determine the order of differential equation.	Decision making	L5	PO2

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	IV	Multivariable Calculus I USMT 401

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PS O
CO1	Ability to define, understand & explain Reimann integration, lower and upper Riemann sum, and write its applications	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to apply the basic concepts of Reimann integration for calculating the areas.	Problem solving	L3	PO2 PO3
CO3	<ul style="list-style-type: none"><li>Ability to provide a way to solve problems quickly and easily compared to analytic solutions.</li><li>Ability to analyze the accuracy of lower and upper Reimann sum.</li></ul>	Analytical	L4	PO2 PSO5
CO4	Ability to evaluate the accuracy of lower and upper Reimann sum.	Decision making	L5	PO2 PSO5

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	IV	Algebra IV USMT 402

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Ability to define, understand & explain groups, subgroups and normal subgroups.	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to apply Lagrange's theorem, Fermat's little theorem, Euler's theorem	Problem solving	L3	PO1 PO2
CO3	Ability to analyse Abelian groups, cyclic groups,	Analytical	L4	PO1 PO2 PSO5
CO4	Ability to evaluate order of elements and groups, centre of a group	Decision making	L5	PO1 PO2
CO5	Ability to create group homomorphisms, cosets, factor groups	Create	L6	PO1 PO4

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	IV	Mathematics III USMT 403

CO No.	Course Outcomes	Skill	Bloom's Level	PO/ PSO
CO1	Ability to describe numerical methods for various mathematical operations and tasks such as interpolation, differentiation, integration, the solutions of linear and nonlinear equations, and the solution of differential equations.	Intellectual	L1 L2	PO1 PSO1
CO2	<ul style="list-style-type: none"><li>• Ability to provide a way to solve problems quickly and easily compared to analytic solutions, numerical methods of solving the non-linear equations, interpolation, differentiation and integration.</li><li>• Ability to calculate the accuracy of common numerical methods.</li><li>• Ability to perform basic computations in higher mathematics.</li></ul>	Problem solving	L3	PO2 PO4
CO3	<ul style="list-style-type: none"><li>• Ability to analyze and implement algorithms for obtaining numerical solutions to problems involving</li></ul>	Analytical	L4	PO2 PO4 PSO4

	<p>continuous variables arising throughout natural sciences, social sciences, engineering, medicine and businesses.</p> <ul style="list-style-type: none"> <li>• Ability to improve the student's skills in numerical methods by using scientific calculator, numerical analysis, software and computer facilities.</li> </ul>			
CO4	<p>Ability to evaluate accurate solutions to real-life problems from the field of science, engineering, biology, astrophysics and finance.</p>	Decision making	L5	PO2
CO5	<p>Ability to create algorithms for obtaining numerical solutions to problems arising in natural sciences, social sciences, engineering, pharmacy and business involving continuous variables</p>	Create	L6	PO2

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	V	Multivariable Calculus II USMT 501

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Ability to define, understand & explain double and triple integral of a function, Fubini's theorem, change of variable, line integrals, surface integrals	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to apply Fubini's theorem, change of variable, double and triple integration to finding centre of gravity, centre of mass and moments of inertia, differentiation under the integral sign, Green's theorem, line integral to find mass of wire, mass of disk, Stoke's theorem, Gauss theorem	Problem solving	L3	PO2
CO3	Ability to analyze parametrized curves and surfaces, curl of vector fields, conservative vector fields.	Analytical	L4	PO1 PO2 PSO4
CO4	Ability to evaluate double and triple integral, centre of mass, centre of gravity, moments of inertia, line integral, surface integral, gradient and curl of a vector field, potential function, area of a region and volume of a solid	Decision making	L5	PO1 PO2 PO4
CO5	Ability to create parametric curves and surfaces, conservative vector fields	Create	L6	PO1 PO5

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	V	Mathematics II USMT 502

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Ability to define, understand & explain basic algebraic structure in mathematics including groups, subgroups and the types of groups.	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to apply Lagrange's theorem, Cayley's theorem.	Analytical	L4	PO2
CO3	Ability to analyze groups and classify them.	Decision making	L5	PO2 PSO4
CO4	Ability to evaluate order of elements, groups, number of subgroups	Problem solving	L3	PO2
CO5	Ability to construct new groups using Homomorphism theorems	Create	L6	PO3



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### Course Outcomes:

Department	Semester	Course Name
Mathematics	V	Mathematics IV USMT 504

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Ability to define, understand & explain numerical methods for various mathematical operations and tasks such as interpolation, differentiation, integration, the solution of linear and nonlinear equations, and the solution of differential equations.	Intellectual	L1 L2	PO1 PSO1
CO2	<ul style="list-style-type: none"><li>Ability to provide a way to solve problems quickly and easily compared to analytic solutions, the numerical methods of solving the non-linear equations, interpolation, differentiation, and integration.</li><li>Ability to calculate the accuracy of common numerical methods. Be able to perform basic computations in higher mathematics.</li></ul>	Problem solving	L3	PO2 PO3
CO3	<ul style="list-style-type: none"><li>Ability to analyze and implements algorithms for obtaining numerical solutions to problems involving continuous variables.</li></ul>	Analytical	L4	PO2 PSO4

	<ul style="list-style-type: none"> <li>Ability to improve student's skills in numerical methods by using scientific calculator, numerical analysis software and computer facilities.</li> </ul>			
CO4	Ability to evaluate accurate solutions to real-life problems from the field of science, engineering, biology, astrophysics and finance.	Decision making	L5	PO2
CO5	Ability to create algorithms for obtaining numerical solutions to problems involving continuous variables. Such problems arise throughout the natural sciences, social sciences, engineering, medicine, and business.	Create	L6	PO3

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	V	Computer Programming and System Analysis USACCS501

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Ability to understand computer science and computational mathematics.	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to apply discrete mathematics concepts in computer science.	Problem solving	L3	PO2 PO3
CO3	Ability to analyze tools of differential and integral calculus to solve real-life applications using programming languages.	Analytical	L4	PO2 PO4 PSO4
CO4	Ability to evaluate the strengths and weaknesses of a program.	Decision making	L5	PO2 PO4
CO5	Ability to create and develop software applications using a systematic approach.	Create	L6	PO3

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	VI	Basic Complex Analysis USMT 601

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Ability to define, understand & explain complex number systems, limits of complex function, continuity, differentiation, analyticity of a complex function; integration of a complex function, sequence and series of a complex numbers,	Intellectual	L1 L2	PO1
CO2	Ability to apply De Moivre's formula, Cauchy integral theorem, Cauchy integral formula, Cauchy's residue theorem,	Problem solving	L3	PO2
CO3	Ability to analyze continuity, analyticity, convergence and divergence of sequence and series of complex numbers, types of singularities	Analytical	L4	PO2 PO3
CO4	Ability to evaluate limit, differentiation and integral of a complex function; residue of a function, radius and disk of convergence,	Decision making	L5	PO1 PO2 PO4
CO5	Ability to create analytic functions, Taylor's series, Mc Laurin series, Laurent's series,	Create	L6	PO2

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**Course Outcomes:**

Department	Semester	Course Name
Mathematics	VI	Ring Theory USMT602

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Ability to define, understand & explain the concept of rings, polynomials.	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to solve problems of rings and isomorphism.	Problem solving	L3	PO2
CO3	Ability to analyze ring theory, structure of rings.	Analytical	L4	PO2 PSO4
CO4	Ability to classify ideals as prime ideal and maximal ideal.	Decision making	L5	PO2

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	VI	Mathematics IV USMT604

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Ability to define, understand & explain numerical methods for various mathematical operations and tasks such as interpolation, differentiation, integration, the solution of linear and nonlinear equations, and the solution of differential equations.	Intellectual	L1 L2	PO1 PSO1
CO2	<ul style="list-style-type: none"><li>Ability to provide a way to solve problems quickly and easily compared to analytic solutions, the numerical methods of solving the non-linear equations, interpolation, differentiation, and integration.</li><li>Ability to calculate the accuracy of common numerical methods. Be able to perform basic computations in higher mathematics.</li></ul>	Problem solving	L3	PO2 PO3
CO3	<ul style="list-style-type: none"><li>Ability to analyze and implements algorithms for obtaining numerical solutions to problems involving continuous variables.</li><li>Ability to improve student's skills in numerical methods by using</li></ul>	Analytical	L4	PO2 PSO4

	scientific calculator, numerical analysis software and computer facilities.			
CO4	Ability to evaluate accurate solutions to real-life problems from the field of science, engineering, biology, astrophysics and finance.	Decision making	L5	PO2
CO5	Ability to create algorithms for obtaining numerical solutions to problems involving continuous variables. Such problems arise throughout the natural sciences, social sciences, engineering, medicine, and business.	Create	L6	PO3

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### Course Outcomes:

Department	Semester	Course Name
Mathematics	VI	Computer Programming and Analysis USACCS602

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	Ability to understand computer science and computational mathematics.	Intellectual	L1 L2	PO1 PSO1
CO2	Ability to apply discrete mathematics concepts in computer science.	Problem solving	L3	PO2 PO3
CO3	Ability to analyze tools of differential and integral calculus to solve real-life applications using programming languages.	Analytical	L4	PO2 PO4 PSO4
CO4	Ability to evaluate the strengths and weaknesses of a program.	Decision making	L5	PO2 PO4
CO5	Ability to create and develop software applications using a systematic approach.	Create	L6	PO3



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**Programme Specific Outcomes: B.Sc. Physics**

**PSO1** – Ability to understand science methodology and basic laws governing various physical phenomena to explore fundamental concepts of physics

**PSO2** – Ability to develop instrument handling skills and to demonstrate important concepts in physics by understanding and performing laboratory experiments.

**PSO3** – Ability to apply theoretical knowledge in physics to analyse and solve real life problems

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### Course Outcomes:

Department	Semester	Course Name
Physics	I	Paper-I Classical Physics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to state, understand and explain Newton's laws of motion, the concepts of elasticity, fluid mechanics, optics and thermodynamics	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply Newton's laws in calculations of the motion of the simple systems and also to solve problems regarding elasticity, fluid mechanics, optics and thermodynamics.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to draw and analyse the free body diagram, diagrams related to the lens system and interference in thin films to solve related problems.	Analytical Problem solving	L4	PO2 PO4 PSO3
CO4	The learner will be able to evaluate necessary relations to analyse and to explain Newton's laws, Fluid dynamics and different thermodynamic processes.	Decision making Analytical	L5	PO4 PO5

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### Course Outcomes:

Department	Semester	Course Name
Physics	I	Paper-II Modern Physics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and explain nuclear properties, nuclear behaviour, the types of isotopes and the basics of modern physics.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply laws of radioactivity to calculate various nuclear parameters and to solve radioactivity related daily life problems.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to draw, explain and analyse different nuclear chambers and counters and also to relate their construction with different nuclear properties.	Analytical	L4	PO2 PSO2 PO4
CO4	The learner will be able to estimate the average life span of radioactive substances and age of organic samples.	Decision making	L5	PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
Physics	I	Practical Course: USPHP01

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to learn and understand basic physics practical skills, use of apparatus without fear.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply knowledge regarding basic physics principles to demonstrate practical skills and to calculate expected results.	Problem solving	L3	PO2 PO4 PSO2
CO3	The learner will be able to draw the diagrams and analyse working models related to electronics and other physical phenomena.	Analytical	L4	PO2 PO4
CO4	The learner will be able to determine the practical value of respective physical quantities involved in the experiment and will be able to compare it with its expected value and write conclusion.	Decision making	L5	PO3 PO4 PSO3
CO5	The learner will be able to expand the theoretical ideas for their applications in experiments.	Research Aptitude	L6	PO5 PSO2

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### Course Outcomes:

Department	Semester	Course Name
Physics	II	Paper-I Mathematical Physics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and define the basic mathematical concepts useful in physics.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply mathematical concepts to calculate different parameters for solving problems in physical situations.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to analyse daily life problems and to convert them into mathematical expressions to simplify them.	Analytical	L4	PO2 PO3 PO4 PS4
CO4	The learner will be able to evaluate different expressions in daily life problems viz. Transient response of LR, CR, LCR circuits, growth and decay of currents and charge, spring-mass system using mathematical methods.	Decision making	L5	PO4 PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Physics	II	Paper-II Electricity and Electronics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and describe the basic alternating current theory, circuit theorems, electromagnetism, analog and digital electronics.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply the concepts of analog and digital electronics to real life situations.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to categorise between electricity and magnetism, analog and digital electronics and will be able to simplify complex circuits into simpler ones.	Analytical	L4	PO2 PO3 PO4
CO4	The learner will be able to evaluate different electrical parameters related to various kinds of electric circuits required in daily life.	Decision making	L5	PO4 PO5 PSO2
CO5	The learner will be able to design requirement-based electric circuits.	Research Aptitude	L6	PO5 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Physics	II	Practical Course: USPHP02

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to learn and understand basic physics practical skills, use of apparatus without fear.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply knowledge regarding basic physics principles to demonstrate practical skills and to calculate expected results.	Problem solving	L3	PO2 PO4 PSO2
CO3	The learner will be able to draw the diagrams and analyse working models related to electronics and other physical phenomena.	Analytical	L4	PO2 PO4
CO4	The learner will be able to determine the practical value of respective physical quantity involved in the experiment and will be able to compare it with its expected value and write conclusion, estimate errors.	Decision making	L5	PO3 PO4 PSO3
CO5	The learner will be able to expand the theoretical ideas to apply them in physics experiments.	Research Aptitude	L6	PO5 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Physics	III	Paper-I Mechanics and Thermodynamics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and explain about the mechanics and properties of matter, thermodynamics and low temperature physics	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply the concepts of mechanics and thermodynamics to calculate ideal values of some required parameters to solve real life problems.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to analyse diagrams related to mechanics and thermodynamics and relate them with real life problems.	Analytical	L4	PO2 PO4 PSO3
CO4	The learner will be able to evaluate expressions of different physical quantities related to mechanics and thermodynamics to provide solutions to physical problems.	Decision making	L5	PO4 PO5



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### Course Outcomes:

Department	Semester	Course Name
Physics	III	Paper-II Vector Calculus and Analog Electronics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and describe the basic concepts of differential and integral calculus, transistor biasing, operational amplifiers and oscillator circuits.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply integral calculus to solve problems in electrodynamics and also to calculate different parameters required for transistor biasing and faithful amplification.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to relate differential and integral calculus with real life problems, analyse different electrical circuits and simplify them to simple circuits.	Analytical	L4	PO2 PO4 PSO2
CO4	The learner will be able to evaluate expressions relating different physical quantities in electrodynamics using integral calculus.	Decision making	L5	PO4 PO5
CO5	The learner will be able to design transistor amplifiers and operational amplifier circuits according to the requirements.	Research Aptitude	L6	PO4 PO5

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### Course Outcomes:

Department	Semester	Course Name
Physics	III	Paper-III Applied Physics – I

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and describe the basic concepts of lasers, fibre optics and material science.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to calculate different important parameters related to material science, and apply the basic concepts of material science.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to analyse different crystal structures to study their different properties and their applications.	Analytical	L4	PO2 PSO2
CO4	The learner will be able to evaluate expressions related to laser and also required for communication using fibre optics.	Decision making	L5	PO3

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**Course Outcomes:**

Department	Semester	Course Name
Physics	III	Practical Course: USPHP03

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and explain basic physics practical skills, use of apparatus without fear and hesitation.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply knowledge regarding basic physics principles to demonstrate practical skills and to calculate expected results.	Problem solving	L3	PO2 PSO2
CO3	The learner will be able to draw the diagrams and analyse working models related to electronics and other physical phenomena.	Analytical	L4	PO2 PSO2
CO4	The learner will be able to determine the practical value of respective physical quantity involved in the experiment and will be able to compare it with its expected value and write conclusion, estimate errors.	Decision making	L5	PO3 PO4 PSO3
CO5	The learner will be able to expand the theoretical ideas to apply them in physics practical.	Research Aptitude	L6	PO5 PSO2

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### Course Outcomes:

Department	Semester	Course Name
Physics	IV	Paper-I Optics and Digital Electronics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to define, understand and explain optical phenomena like interference, diffraction, polarisation, also the working of digital circuits and IC 555 timer circuits.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply the concepts of optics to study the working of interferometers and various optical instruments and also to calculate optical as well as electrical parameters required for solving problems.	Problem solving	L3	PO2 PO4 PSO2
CO3	The learner will be able to classify between different optical phenomena and different useful electrical circuits of IC 555 timer	Analytical Decision Making	L4	PO2 PO3 PSO1
CO4	The learner will be able to evaluate expressions for digital and IC 555 timer circuits as well as for optics.	Research Aptitude	L5	PO4 PO5

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### Course Outcomes:

Department	Semester	Course Name
Physics	IV	Paper-II Quantum Physics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and describe the basic concepts of quantum mechanics.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply postulates of quantum physics to explain significant phenomena in physics.	Problem solving	L3	PO1 PO2
CO3	The learner will be able to analyse different classical physics problems and to give their solutions using quantum physics.	Analytical	L4	PO2 PO4 PSO3
CO4	The learner will be able to evaluate probabilities of position of a quantum particles in different kinds of potentials.	Decision making Research Aptitude	L5	PO3 PO4 PO5

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### Course Outcomes:

Department	Semester	Course Name
Physics	IV	Paper-III Applied Physics - II

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and describe the basic concepts of geology and geophysics, 8085 microprocessor and radiation physics.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply the concepts of geophysics to real life problems and to construct flow charts for implementing assembly language programs for 8085 microprocessor	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to analyse different types of radiation detectors, classify between them.	Analytical	L4	PO2 PO4 PSO2
CO4	The learner will be able to evaluate mathematical representation of data modulation techniques.	Decision making Research Aptitude	L5	PO3 PO4 PO5 PSO2
CO5	The learner will be able to design basic user specific assembly language programs for 8085 microprocessor as per the requirements.	Research Aptitude	L6	PO4 PO5 PSO2

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### Course Outcomes:

Department	Semester	Course Name
Physics	IV	Practical Course: USPHP04

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to learn and understand basic physics practical skills, use of apparatus without fear and hesitation.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply knowledge regarding basic physics principles to demonstrate practical skills and to calculate expected results.	Problem solving	L3	PO2 PSO2
CO3	The learner will be able to draw the diagrams and analyse working models related to electronics and other physical phenomena.	Analytical	L4	PO2 PSO2
CO4	The learner will be able to determine the practical value of respective physical quantity involved in the experiment and will be able to compare it with its expected value and write conclusion, estimate errors.	Decision making	L5	PO3 PO4 PSO3
CO5	The learner will be able to expand the theoretical ideas to apply them in physics practical.	Research Aptitude	L6	PO5 PSO2

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### Course Outcomes:

Department	Semester	Course Name
Physics	V	Paper-I Mathematical, Thermal and Statistical Physics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to learn and describe mathematical techniques required to understand some physical phenomena and some concepts of thermal and statistical physics.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply mathematical and statistical methods to solve related problems.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to analyse problems in classical physics to give their solutions using mathematical and statistical methods in quantum physics.	Analytical	L4	PO2 PSO3
CO4	The learner will be able to evaluate probability and probability distribution functions in quantum statistics.	Decision making Research Aptitude	L5	PO3 PO4 PO5 PSO3



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**Course Outcomes:**

Department	Semester	Course Name
Physics	V	Paper-II Solid State Physics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand, define and explain the basics of crystallography, Electrical properties of metals, Band Theory of solids and Superconductivity.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to solve problems in material science by applying basic concepts.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to classify the types of materials, Semiconductor Physics and Superconductivity.	Analytical	L4	PO2 PSO1
CO4	The learner will be able to evaluate the Fermi probability distribution functions and density of states.	Decision making	L5	PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
Physics	V	Paper-III Atomic and Molecular Physics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and explain the basics of atomic and molecular physics and spectroscopy.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply the ideas of quantum mechanics to solve problems in atomic and molecular physics.	Problem solving	L3	PO2 PSO3
CO3	The learner will be able to simplify complex atomic models using mathematical methods.	Analytical	L4	PO2 PO4 PSO3
CO4	The learner will be able to evaluate mathematical formulation for different types of statistical distributions to understand atomic and molecular models.	Decision making	L5	PO3 PO4 PO5 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Physics	V	Paper-IV Electrodynamics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and explain the laws of electrodynamics, Maxwell's electrodynamics and its relation to relativity.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply basic principles of electromagnetism to derive basic laws of optics and to perform related calculations.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to analyse problems in electromagnetism and will be able to solve them using mathematical methods.	Analytical	L4	PO2 PO4 PSO3
CO4	The learner will be able to evaluate electric and magnetic fields in physical problems.	Decision making Research Aptitude	L5	PO3 PO4 PO5 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Physics	V	Practical Course: USPHP05

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand relevant concepts of mechanical and optical experiments.	Intellectual	L1/L2	PO1 PSO1 PSO2
CO2	The learner will be able to apply knowledge regarding basic physics principles for designing layout and adjustments of the equipment.	Problem solving	L3	PO2 PO4 PSO2
CO3	The learner will be able to draw the diagrams and analyse working models related to electronics and other physical phenomena.	Analytical	L4	PO2 PO4 PSO1
CO4	The learner will be able to do calculations of results and estimation of possible errors.	Decision making	L5	PO3 PO4 PSO3
CO5	The learner will be able to design the experiments based on the given requirements and expected outcomes.	Research Aptitude	L6	PO3 PO4 PO5 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Physics	V	Practical Course: USPHP06

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand relevant concepts of electrical and electronic experiments.	Intellectual	L1/L2	PO1 PSO1 PSO2
CO2	The learner will be able to apply knowledge regarding basic physics principles for designing layout and adjustments of the equipment.	Problem solving	L3	PO2 PO4 PSO2
CO3	The learner will be able to draw the diagrams and analyse working models related to electronics and other physical phenomena.	Analytical	L4	PO2 PO4 PSO1
CO4	The learner will be able to do calculations of results and estimation of possible errors.	Decision making	L5	PO3 PO4 PSO3
CO5	The learner will be able to design the electric experiment based on the given requirements.	Research Aptitude	L6	PO3 PO4 PO5 PSO2

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### Course Outcomes:

Department	Semester	Course Name
Physics	V	Paper-V Applied Component- Advanced 8085 Programming, Introduction to Microcontrollers and Python Programming

CO No.	Course Outcomes	Skill	Bloom's Level	PO/ PSO
CO1	The learner will be able to understand and describe basic concepts of programming with 8085 microprocessor, 8255 PPI, microcontroller 8051 and python programming language.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply basic programming knowledge to implement programs in assembly language and python.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to prepare flow charts and implement programs to get familiar with the basic constructs of programming such as data, operations, conditions, loops, functions, etc.	Analytical	L4	PO2 PO4 PSO2 PSO3
CO4	The learner will be able to learn decision making formats in conditional programming in microprocessors, microcontrollers and in python.	Decision making	L5	PO3 PO4 PSO2
CO5	The learner will be able to design and formulate theoretical foundations for simple applications of microprocessor, microcontroller and python programming language.	Digital Research Aptitude	L6	PO4 PO5 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Physics	V	Practical Course of Applied Component- USACCS5P1

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand relevant concepts of experiments of advanced microprocessor 8085, 8255 PPI, microcontroller 8051 and python programming.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply knowledge regarding basic programming for implementing assembly language programs and python programs.	Problem solving	L3	PO2 PO4 PSO2
CO3	The learner will be able to analyse the problem, draw flowcharts, implement assembly language and python programs to achieve the given task.	Analytical	L4	PO2 PO4 PSO2 PSO3
CO4	The learner will be able to estimate necessary parameter values required to complete several tasks in the given design of the program using assembly or python programming language.	Decision making	L5	PO3 PO4 PO5 PSO3
CO5	The learner will be able to design and develop microprocessor or microcontroller based simple applications like flashing LEDs, running LEDs, binary counters, some simple applications using python programming language.	Leadership/ Management/ Communication	L6	PO3 PO4 PO5 PSO2 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Physics	VI	Paper-I Classical Mechanics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and describe different aspects of classical mechanics, rigid body dynamics and non-linear mechanics.	Intellectual	L1/L2	PO1 POS1
CO2	The learner will be able to apply concepts of classical mechanics and mathematical physics in formalism of Lagrange's equations and to solve different problems using Lagrange's equations.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to analyse some important daily life problems and to relate them with rigid body dynamics, fluid dynamics and non-linear mechanics.	Analytical	L4	PO2 PO4 PSO3
CO4	The learner will be able to evaluate chaotic behaviour of some physical problems using non-linear mechanics.	Decision making Research Aptitude	L5	PO3 PO4 PO5 PSO3



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### Course Outcomes:

Department	Semester	Course Name
Physics	VI	Paper-II Electronics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and explain the basic concepts of semiconductor devices, operational amplifiers, multivibrators circuits for universal logic building blocks and digital communication.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to learn applications of semiconductor devices, operational amplifiers as instrumentation amplifiers, active filters, comparators and waveform generators.	Problem solving	L3	PO2 PO4 PSO1 PSO2
CO3	The learner will be able to calculate electrical parameters required for daily used circuits and solve some problems in digital communication.	Analytical	L4	PO2 PO4 PSO3
CO4	The learner will be able to analyse and determine ideal conditions for various electronic circuits for regulated power supply, IC 555 timers, circuits in digital communication and learn their applications.	Decision making	L5	PO3 PO4 PSO2 PSO3
CO5	The learner will be able to design electrical circuits required to solve some daily life problems.	Digital	L6	PO4 PO5 PSO2 PSO3

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**Course Outcomes:**

Department	Semester	Course Name
Physics	VI	Paper-III Nuclear Physics

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and explain the fundamental principles of nuclear and particle physics.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply knowledge of nuclear and particle physics in the interactions of ionizing radiation with matter the key technique for particle accelerators and calculate required parameters.	Problem solving Research Aptitude	L3	PO2 PO4 PO5 PSO2
CO3	The learner will be able to analyse and classify elementary particles according to their different properties for understanding unsolved questions about dark matter and antimatter.	Analytical	L4	PO2 PSO3
CO4	The learner will be able to evaluate mathematical formulation for different nuclear models.	Decision making	L5	PO3 PO4 PO5

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### Course Outcomes:

Department	Semester	Course Name
Physics	VI	Paper-IV Relativity

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and explain the basic framework for special theory of relativity and its connection with electromagnetism.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply mathematical methods to for solving various problems in relativity and will be able to calculate time dilation and space contraction for relativistic effects of real-life problems.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to analyse real life situations on the basis of classical methods and relativistic methods using space-time diagrams and relativistic mechanics.	Analytical	L4	PO2 PO4
CO4	The learner will be able to evaluate new set of Einstein's relativistic equations replacing them with old Newtonian equations for understanding mechanics of real-life physical problems in a better way.	Decision making	L5	PO3 PO4 PO5 PSO3

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### Course Outcomes:

Department	Semester	Course Name
Physics	VI	Practical Course: USPHP07

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand relevant concepts of mechanical, optical and electrical experiments.	Intellectual	L1/L2	PO1 PSO1 PSO2
CO2	The learner will be able to apply knowledge regarding basic physics principles for designing layout and adjustments of the equipment.	Problem solving	L3	PO2 PO4 PSO2
CO3	The learner will be able to draw the diagrams and analyse working models related to electronics and other physical phenomena.	Analytical	L4	PO2 PO4 PSO1
CO4	The learner will be able to do calculations of results and estimation of possible errors.	Decision making	L5	PO3 PO4 PSO3
CO5	The learner will be able to design the experiments based on the given requirements and expected outcomes.	Leadership/ Management/ Communication	L6	PO3 PO4 PO5 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Physics	VI	Practical Course: USPHP08

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand relevant concepts of electrical and electronics experiments.	Intellectual	L1/L2	PO1 PSO1 PSO2
CO2	The learner will be able to apply knowledge regarding basic physics principles for designing layout and adjustments of the equipment.	Problem solving	L3	PO2 PO4 PSO2
CO3	The learner will be able to draw the diagrams and analyse working models related to electronics and other physical phenomena.	Analytical	L4	PO2 PO4 PSO1
CO4	The learner will be able to do calculations of results and estimation of possible errors.	Decision making	L5	PO3 PO4 PSO3
CO5	The learner will be able to design the electric experiment based on the given requirements.	Leadership/ Management/ Communication	L6	PO3 PO4 PO5 PSO2

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### Course Outcomes:

Department	Semester	Course Name
Physics	VI	Paper-V Applied Component- Microcontrollers and Python Programming

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand and describe the basic concepts of advanced programming with microcontroller 8051, python programming language and object-oriented programming in python.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply advanced concepts of 8085 microcontroller and python for developing advanced level programs and applications.	Problem solving	L3	PO2 PO4 PSO3
CO3	The learner will be able to analyse some real-life problems and to give their solutions using advanced techniques of microcontroller 8051, also in object-oriented programming in python.	Analytical	L4	PO2 PO4 PSO2 PSO3
CO4	The learner will be able to evaluate time delays required to solve real life problems using 8051 Timers/Counters to develop some basic applications.	Decision making	L5	PO3 PO4 PSO2
CO5	The learner will be able to design and formulate theoretical foundations for simple applications of microcontroller and python programming language.	Digital	L6	PO4 PO5 PSO2

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**Course Outcomes:**

Department	Semester	Course Name
Physics	VI	Practical Course of Applied Component- USACCS6P1

CO No.	Course Outcomes	Skill	Bloom's Level	PO/PSO
CO1	The learner will be able to understand relevant concepts of experiments related to microcontroller 8051 and python programming.	Intellectual	L1/L2	PO1 PSO1
CO2	The learner will be able to apply knowledge regarding basic programming and object-oriented programming for implementing advanced assembly language programs and python programs.	Problem solving	L3	PO2 PO4 PSO2
CO3	The learner will be able to analyse the problem, draw flowcharts, implement assembly language and python programs to achieve the given task.	Analytical	L4	PO2 PO4 PSO2 PSO3
CO4	The learner will be able to estimate necessary parameter values required to complete several tasks in the given design of the program using assembly or python programming language.	Decision making	L5	PO3 PO4 PO5 PSO3
CO5	The learner will be able to develop advanced programs in 8051 microcontroller and python required for advanced applications.	Digital	L6	PO3 PO4 PO5 PSO2 PSO3

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**Programme Specific Outcomes: B.Sc. Botany**

**PSO1:** Explain Plant Biodiversity, Plant pathology, Taxonomic and Palaeobotany.

**PSO2:** Apply Biotechnology, Anatomy, Ecology, Genetics and Plant breeding techniques in plant sciences.

**PSO3:** Apply knowledge of Medicinal and Economic botany in day to day life.

**PSO4:** Explain the Biochemistry and Physiology aspects of Plant, Molecular Biology and Cytogenetics.

**PSO5:** Apply the knowledge to develop the sustainable and eco-friendly technology in Industrial Botany

**PSO6:** Collaborate effectively on field-based projects in the Botany.

**PSO7:** Apply knowledge of Asthetic Botany and Horticulture to be an entrepreneur



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**Course Outcomes:**

Department	Semester	Course Name
Botany	I	Plant Diversity (USBO101)

CO No.	Course Outcomes	Skill	Bloom's Level	PO & PSO
CO1	Ability to define, understand and explain the basic concepts of diversity of lower plants and their distinct features.	Remember and understand	L1,L2	PO1,PO5 PSO1
CO2	Ability to classify and conclude the lower plants.	Critical thinking	L5, L4	PO2, PSO1, PSO6
CO3	Ability to decide about distinct classes of lower plants. Ability to understand the economic importance of lower plants.	Decision making skills	L5,L1	PO3,PO1, PSO1,PSO6
CO4	Ability to examine, extract and identify the various types of lower plants.	Skill development, Research Aptitude	L3, L1	PO4, PO5, PSO6

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### Course Outcomes:

Department	Semester	Course Name
Botany	I	Forms and Functions -I (USBO102)

CO No.	Course Outcomes	Skill	Bloom's Level	PO & PSO
CO1	Ability to define, understand and explain the basic concepts of cell biology, genetics and ecology	Remember and understand	L1,L2	PO1,PO5 PSO2
CO2	Ability to evaluate and understand the crosses in Genetics. Ability to construct or recognise the plant physiological cycles and ecological pyramids	Critical thinking and Problem solving	L5, L4,L1,L2	PO2, PSO2, PSO4
CO3	Ability to apply the genetics ratios in field Ability to understand the ecological aspects and physiological aspects	Decision making skills	L3,L1	PO1,PO2, PSO2,PSO4
CO4	Ability to develop the ecological and genetic experiments.	Research Aptitude, Skill development	L3, L1	PO4,PO5 PSO2, PSO4

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**Course Outcomes**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Botany	I	Practical Paper 1

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to classify and describe selected specimens of lower Plants.	Intellectual, Remember	L1, L2	PO1, PSO1
CO2	Able to identify, examine and describe Algae, Fungi and Bryophytes	Intellectual, Remember, Apply	L1, L3	PO1, PSO1
CO3	Ability to identify and extract the plants in the field. On the basis of identification, able to create a report on plants habitat and economic importance.	Skill development, Remember	L1, L6	PO1, PSO7

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**Course Outcomes**

Department	Semester	Course Name
Botany	I	Practical Paper 2

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to solve, perform and conclude the biometry experiment.	Problem Solving	L3, L5	PO2, PSO4
CO2	Ability to prepare a squash of onion root tip for experiment.	Problem Solving	L3, L1, L4	PO2, PSO4
CO3	Ability to identify, sketch and explain the stages of mitosis	Analytical	L4	PO2, PSO4
CO4	Ability to identify and describe economic importance of the ecology adaptations, genetics and cell organelles .	Intellectual	L1	PO1, PSO3, PSO4

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### Course Outcomes

Department	Semester	Course Name
Botany	II	Plant Diversity (USBO201)

CO No.	Course Outcomes	Skill	Bloom's Level	PO & PSO
CO1	Ability to define, understand and explain the basic concepts of diversity of lower and higher plants and their distinct features.	Remember and understand	L1,L2	PO1,PO5 PSO1
CO2	Ability to classify and conclude the lower and higher plants.	Critical thinking	L5, L4	PO2, PSO1, PSO6
CO3	Ability to decide about distinct classes of lower and higher plants. Ability to understand the economic importance of lower and higher plants.	Decision making skills	L5,L1	PO3,PO1, PSO1,PSO6
CO4	Ability to examine and identify the various types of lower and higher plants.	Skill development, Research Aptitude	L3, L1	PO4, PO5, PSO1,PSO6

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**Course Outcomes**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Botany	II	Forms and Functions -II (USBO202)

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO &amp; PSO</b>
CO1	Ability to define, understand and explain the basic concepts of anatomy, medicinal botany and physiology.	Remember and understand	L1, L2	PO1,PO5 PSO4, PSO3
CO2	Ability to apply and understand the knowledge of anatomy, medicinal botany and physiology.	Critical thinking and Problem solving	L3, L1,	PO2, PSO2, PSO4
CO3	Ability to analyse the uses if medicinal plants Ability to conclude the different types of Angio spermic plants based on anatomical features.	Decision making skills	L4, L5	PO3, PSO2,PSO3
CO4	Ability to explain, define and sketch the anatomical features of Angiospermic plants.	Remember, Understand and	L1, L3	PO2,PO4,PSO3, PSO4

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**Course Outcomes**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Botany	II	Practical 1

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to identify, classify and describe and draw labelled sketches of Pteridophytes Gymnosperms and Angiosperms.	Intellectual	L1, L2	PO1,PSO1
CO2	Ability to identify and classify families of plants	Analytical	L2, L4	PO2,PSO1
CO3	Ability to sketch the internal morphology of flower.	Analytical	L4	PO2,PSO1
CO4	Ability to identify and describe economic importance of the Pteridophytes Gymnosperms and Angiosperms	Intellectual	L1	PO1PSO1

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**Course Outcomes**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Botany	II	Practical Paper 2

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to identify, examine, distinguish anatomical features of angiosperms Able to sketch anatomical diagrams	Intellectual, Remember	L1, L2,L3	PO1, PSO1
CO2	Able to demonstrate, compare, explain and conclude the physiological experiments of plants. Able to sketch diagrams	Intellectual, Remember, Apply	L1, L3,L4, L5,L2	PO1, PSO1
CO3	Ability to explain, identify and compare the medicinal plants. Also able to understand the economic importance of medicinal plants and apply in day to day life	Skill development, Remember	L1, L6,L3, L2,L5	PO1, PSO2, PSO7



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### Course Outcomes

Department	Semester	Course Name
Botany	III	Plant Diversity (USBO301)

CO No.	Course Outcomes	Skill	Bloom's Level	PO & PSO
CO1	Ability to define, understand and explain the basic concepts of diversity of lower plants and their distinct features, Angio spermic plants, modern instrumentation techniques	Remember and understand	L1,L2	PO1,PO2,PSO1
CO2	Ability to classify and conclude the lower plants and Angio spermic plants.	Critical thinking	L5, L4	PO2, PSO1, PSO6
CO3	Ability to decide about distinct classes of lower plants and higher plants Ability to understand the economic importance of lower plants and Angio spermic plants Ability to demonstrate the modern techniques in plant sciences	Decision making skills	L5,L1, L3	PO3,PO1, PSO1,PSO6
CO4	Ability to examine and identify the various types of lower plants and Angio spermic plants Ability to measure the amount of secondary metabolites in plants. Ability to prepare the herbarium sheets and to enhance the skills of plant preservation technique.	Skill development, Research Aptitude	L3, L1	PO4, PO5, PSO6,PSO1

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### Course Outcomes

Department	Semester	Course Name
Botany	III	Cell Biology, Cytogenetics, Molecular Biology (USBO302)

CO No.	Course Outcomes	Skill	Bloom's Level	PO & PSO
CO1	Ability to define, understand and explain the basic concepts of cell biology, cytogenetics and molecular biology.	Remember and understand	L1,L2	PO1, PSO4
CO2	Ability to distinguish between various aspects of cell biology, cytogenetics and molecular biology.	Critical thinking	L5, L4	PO2, PSO4
CO3	Ability to apply and understand the knowledge of Molecular Biology and Cytogenetics	Decision making skills	L3,L1	PO3,PO2,PSO4
CO4	Explain, Map and identify the modes of Replication and Protein synthesis.	Skill development, Research Aptitude	L2, L1	PO4, PO5, PSO4

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### Course Outcomes

Department	Semester	Course Name
Botany	III	Forestry, Phytochemistry and Industry Plant Based Product (USBO303)

CO No.	Course Outcomes	Skill	Bloom's Level	PO & PSO
CO1	Ability to define, understand and explain the basic concepts of cell biology, cytogenetics and molecular biology.	Remember and understand	L1,L2	PO1 PSO3, PSO5
CO2	Ability to summarised, explain the Pharmacogonosy Products, Economic Botany, Industry based Plant products with names of the examples.	Critical thinking	L2, L	PO2, PSO3, PSO5
CO3	Ability to apply and understand the economic importance of Pharmacognosy, Forestry and Economic, Industry based plants	Decision making skills	L5,L1	PO3,PO1,PSO3, PSO5
CO4	Explain, discuss and identify the Pharmacognosy, Forestry and Economic, Industry based plants. To create and evaluate the plant based products	Skill development, Research Aptitude	L3, L1	PO4, PO5, PSO3, PSO5

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**Course Outcomes**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Botany	III	Practical Paper 1

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to classify and describe specimen of Algae and Bryophytes	Problem Solving & Analytical	L2, L4	PO2,PSO1
CO2	Ability to able to identify and describe specimen of Algae and Bryophytes	Intellectual,	L1, L2	PO1,PSO1
CO3	Ability to write the field work	Intellectual	L1	PO1,PSO6
CO4	Ability to distinguish between Chlorophyta and Bryophyta.	Intellectual,	L2	PO1,PSO1

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Botany	III	Practical Paper 2

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to draw sketch labelled diagrams of meiosis and Mitosis in the experiment.	Analytical	L4	PO2, PSO4
CO2	Ability to estimate the DNA & RNA of given plant materials	Intellectual & Analytical	L2, L4	PO2, PSO4
CO3	Ability to analyse and determine the sequence of bases in DNA strands, RNA types	Decision making	L5	PO2, PSO4
CO4	Ability to identify and describe and classify economic importance of cell biology cytogenetics and Molecular biology.	Intellectual	L1, L2	PO, PSO4

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Botany	III	Practical Paper 3

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to expand their knowledge by prepare the herbal product from plant based materials.	Problem Solving & management	L6, L3	PO3,PSO3
CO2	Ability to estimate crude fiber of given plant materials	decision Making	L5	PO2,PSO3
CO3	Ability to analyse and estimate the nutraceutical value of plant material. Ability to Expand their knowledge in forestry and economic Botany .	Analytical, decision Making & management	L4, L5, L6	PO4, PSO3,PSO7
CO4	Ability to identify and describe and classify economic importance industry-based plant materials. Ability to expand their knowledge in phytochemistry.	Intellectual & management	L1, L2, L6	PO3,PSO5

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## Course Outcomes

Department	Semester	Course Name
Botany	IV	Pteridophytes, Gymnosperms Plant Pathology and Paleobotany (USBO401)

CO No.	Course Outcomes	Skill	Bloom's Level	PO & PSO
CO1	Ability to define, understand and explain the basic concepts of diversity of lower plants and their distinct features.	Remember and understand	L1,L2	PO1,PO2,PSO1
CO2	Ability to classify and conclude the lower plants and fossils	Critical thinking	L5, L4	PO2, PSO1, PSO6
CO3	Ability to decide about distinct classes of lower plants and fossils Ability to understand the economic importance of lower plants, fossils and plant pathogen. Ability to demonstrate the different types fossils	Decision making skills	L5,L1, L3	PO3,PO1, PSO1,PSO6
CO4	Ability to examine and identify the various types of lower plants, fossils and fungal diseases Ability to measure the amount of secondary metabolites in plants. Ability to prepare the herbarium sheets and to enhance the skills of plant preservation technique.	Skill development, Research Aptitude	L3, L1	PO4, PO5, PSO6,PSO1

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### Course Outcomes

Department	Semester	Course Name
Botany	IV	Anatomy, Ecology, Physiology (USBO402)

CO No.	Course Outcomes	Skill	Bloom's Level	PO & PSO
CO1	Ability to define, understand and explain the basic concepts of anatomy, ecology and physiology.	Remember and understand	L1, L2	PO1,PO5 PSO4, PSO3
CO2	Ability to apply and understand the knowledge of anatomy, ecology and physiology.	Critical thinking and Problem solving	L3, L1,	PO2, PSO2, PSO4
CO3	Ability to analyse the uses of different soil profiles Ability to conclude the different types of soil	Decision making skills	L4, L5	PO3, PSO2,PSO3
CO4	Ability to explain, define and sketch the anatomical features of Angiospermic plants.	Remember, Understand and	L1, L3	PO2,PO4,PSO3, PSO4



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### Course Outcomes

Department	Semester	Course Name
Botany	IV	Paper III– Horticulture, Biotechnology, Bioinformatics and Biostatistics (USBO403)

CO No.	Course Outcomes	Skill	Bloom's Level	PO & PSO
CO1	Ability to define, understand and explain the basic concepts of horticulture, biotechnology, bioinformatics and biostatistics	Remember and understand	L1,L2	PO1,PO5 PSO7
CO2	Ability to apply and understand the knowledge of horticulture, biotechnology, bioinformatics and biostatistics	Critical thinking	L5, L4	PO2, PSO7
CO3	Ability to analyse the experimental results of bioinformatics and biostatistics, and biotechnology. Ability to conclude the results of bioinformatics and biostatistics, and biotechnology.	Decision making skills	L5,L1	PO3,PO1,PSO7
CO4	Ability to explain, define and sketch the tools of horticulture, biostatistics, and biotechnology.	Skill development, Research Aptitude	L3, L1	PO4, PO5, PSO7

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**Course Outcomes**

Department	Semester	Course Name
Botany	IV	Practical Paper 1

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to classify and describe specimen of Pteridophytes and gymnosperms	Intellectual	L2	PO, PSO1
CO2	Ability to able to identify and describe specimen of Pteridophytes and gymnosperms	Intellectual	L1, L2	PO1,PSO1
CO3	Ability to write the field work	Skill development, Research aptitude	L1	PO5,PSO6

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**Course Outcomes:**

Department	Semester	Course Name
Botany	IV	Practical Paper 2

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to prepare the slides and draw sketch labelled diagrams of secondary growth and mechanical tissue system of plant in the experiment.	Problem Solving	L3	PO2, PSO2
CO2	Ability to describe conducting tissue	Intellectual	L2	PO1, PSO2
CO3	Ability to analyse, demonstrate and conclude the physiological and ecological experiments	Analytical & Decision making	L4, L5	PO2, PSO3
CO4	Ability to identify and describe and classify economic importance of Plant physiology and Environmental Botany.	Intellectual	L1, L2,	PO1, PSO4, PSO5

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Botany	IV	Practical Paper 3

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to develop ideas to make a different type of gardens.	Intellectual, Communication	L6, L2	PO3, PSO2
CO2	Ability to prepare and perform different sterilization techniques.	Problem solving	L3	PO2, PSO4
CO3	Ability to analyse, perform and apply Biostatistics methods. Ability to Expand and apply their knowledge in bio-technology field.	Analytical, Communication	L4, L6, L3	PO3, PSO4
CO4	Ability to identify and describe and classify economic importance Horticulture, Biotechnology bio-informatics.	Intellectual	L1, L2	PO1, PSO4, PSO7

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### Programme Specific Outcomes:

**PSO1** – Obtain in-depth knowledge of software and hardware techniques to provide a compact foundation to learners for innovation and research.

**PSO2** – Develop and analyse quality computer applications by applying knowledge of software engineering, algorithms, programming, databases and networking.

**PSO3** – Evaluate complex real-world problems by applying principles of theoretical computing, engineering and mathematical models.

**PSO4** – Demonstrate concepts and applications in the field of Information Technology viz. Web Technology, Data Mining, Data Warehousing & Security, Network and communication technologies.

**PSO5** - Conceive Project management capabilities to solve real world problems in accordance to the need of the industry , in a stipulated time frame.

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	I	Discrete Mathematics USIT104

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand the concept of set Theory, relation and function. Apply the definition and properties to prove the mathematical statements and test the validation of the argument.	Intellectual/Analytical	L1/L3/L4	PO1/PO2
CO2	Ability to understand Quantified statements and prove the statements using direct and indirect methods, and applying the algorithm.	Critical Thinking/Intellectual	L1/L2	PO2/PO1
CO3	Ability to apply the concept of sequence, Mathematical induction and recursion. Solving recurrence relations to find the nth term of sequence. examine the type of functions	Analytical/Problem solving/intellectual	L4/L3/L1	PO1/PO2
CO4	Ability to understand and evaluate the type of relation and drawing the graphs and trees.	Critical thinking/Analytical/	L4/L1	PO3/PO2
CO5	Ability to understand and apply the concept of counting principle, probability, pigeonhole principle. drawing possibility tree and finding expectation	Analytical/Critical thinking	L4/L1/L3	PO1/PO3

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	I	Discrete Mathematics(Practical) USIT1P4

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to write code in Scilab for mathematical problems.	Intellectual/Analyze	L1/L2	PO1
CO2	Ability to work with problems which take so much time to solve manually.	Problem-solving	L3	PSO2/ PSO1
CO3	Ability to change the codes as per requirement of the question and do the analysis of data to draw conclusions.	Analytical	L4	PO2
CO4	Ability to create code which can be used in future mathematical problems.	Develop	L6	PSO3/ PSO2/ PO5

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### Course Outcomes:

Department	Semester	Course Name
BSc. Information Technology	I	Imperative Programming USIT101

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand programming languages and explain its characteristics Distinguish between If Statement and If-Else Statement	Intellectual	L1/L2	PO1
CO2	Ability to apply printf, scanf, gets, puts functions. Ability to prepare the flow chart. Examine whether the given is even or odd using suitable program.	Problem solving	L3	PO2/PSO1
CO3	Ability to evaluate whether the number is positive, negative or zero.	Decision making	L5	PO4/PSO2
CO4	Ability to create a program to demonstrate the use of pointers. To create simple program logic To develop pseudo code statement and flowchart symbols	Leadership/ Management/ Communication	L6	PO5



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### Course Outcomes:

Department	Semester	Course Name
BSc. Information Technology	I	Imperative Programming (Practical) USIT1P1

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand program and display message. List different variables type and assign them with values.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to build different logics on program. To calculate multiplication of matrix.	Problem solving	L3	PO2/ PSO2/ PSO3
CO3	Ability to evaluate whether the entered number is prime or not. Estimate the area of rectangle, square and circle.	Decision making	L5	PO4/ PO5
CO4	Ability to create a program to demonstrate the programs on unions. Develop a program to count digit in a number.	Leadership/ Management/ Communication	L6	PO3

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
BSc Information Technology	Sem 1	COMMUNICATION SKILLS USIT105

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to define, understand & explain Nature and Scope of Effective Communication, Non-verbal Communication, Cross-cultural communication, and Technology-enabled Business communication.	Intellectual	L1/L2	PO1
CO2	Ability to construct Business writing, Business Correspondence, Instructions Business Reports and Proposals, Career building and Resume writing and make presentation and using its tools.	Problem solving	L3/L6	PO2/PSO1
CO3	Ability to analyse Corporate Communication, Persuasive Strategies in Business Communication	Analytical	L4	PO3
CO4	Ability to create presentations, execute the presentations. Adding graphics to your presentation: Visual communication, Impress stage: use of font, colour, layout, Importance of practice and performance.	Leadership/ Management/ Communication	L6	PO5/PSO1

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	Sem 1	COMMUNICATION SKILLS (Practicals) USIT1P5

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Communication Principles	Intellectual	L1/L2	PO1
CO2	Ability to construct word processing tools, spreadsheet tools, and presentation tools for communication	Problem-solving	L3	PO2/PSO1
CO3	Ability to analyse Body Language, Follow All Instructions, Effective Feedback Skills	Analytical	L4	PO3
CO4	Ability to create presentations, and execute presentations. Adding graphics to your presentation: Visual communication, Impress stage: use of font, color, layout, Importance of practice and performance.	Communication	L6	PO5/PSO1

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	I	Digital Electronics USIT102

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand and identify the structure of various number systems and its application in digital design.	Intellectual	L1	PO1/PSO1
CO2	Ability to apply Boolean laws and use of Karnaugh Map to solve Boolean expressions .	Problem solving	L3	PO2/PSO2
CO3	Ability to analyse and design various combinational and sequential circuits.	Analytical	L4	PO2/PSO2
CO4	Ability to develop skill to build and troubleshoot digital circuits	Decision making	L5	PO4/PSO2

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	I	Digital Electronics (Practical) USIT1P2

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand the working of basic logic gates.	Intellectual	L1	PO1/PSO1
CO2	Ability to construct and understand different logic circuits using gates.	Problem solving	L3/L1	PO2/PSO2
CO3	Ability to simplify Boolean expressions using K Map .	Analytical	L4	PO2
CO4	Ability to design adder, subtractor ,multiplexer , demultiplexer circuits .	Leadership	L6	PO5/PSO2

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	I	Operating Systems USIT103

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Recall/ Write an overview of the theory of the operating system, its structure, and understanding different system calls and understand working of threads and processes	Intellectual	L1/L2	P1, PSO1
CO2	Construct the implementing algorithms used for various operations on operating systems. To understand the concepts, implement Memory management policies, and understand different file systems.	Problem-solving	L3	P2, PSO2
CO3	To analyze the principles of I/O hardware and software, I/O software layers, disks, clocks, power management, and understand deadlock detection and recovery, deadlock avoidance, deadlock prevention, issues	Analytical	L4	P2, PSO2
CO4	To forecast Virtualization and Cloud, Determine different Multiple Processor Systems, multi-computer, distributed systems	Decision making	L4	P5, PSO5
CO5	To develop a case study on Linux, Android, and Windows and describe Windows power management, Security in windows.	Research Aptitude	L6	P5,PSO5

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
BSc Information Technology	I	OPERATING SYSTEM (Practical) USIT1P3

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to understand the working of installation of virtual Software	Intellectual	L1/L2	PO1, PSO1
CO2	Ability to apply commands.	Problem-solving	L3	PO2,PSO2
CO3	Ability to classify the windows and respective directories.	Intellectual	L2	PO5,PSO3
CO4	Create Virtual Machine software.	Develop	L6	PO1,PSO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	II	Numerical And Statistical Methods USIT204

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & create the concepts of Mathematical Models, Errors.	Intellectual/Develop	L6/L1/L2	PO1/PO2
CO2	Ability to evaluate roots and perform Interpolation.	Critical Thinking/Decision making	L3/L1/L5	PO1/PO2
CO3	Ability to solve systems of equations, differential equations and its application using euler, Runge-Kutta method and taylor series method.	Analytical/Intellectual	L3/L5	PO1/PO2
CO4	Ability to evaluate the Regression between given variables. Formulating LPP and solving for maximization and minimization.	Decision making/problem solving	L6/L1/L3	PO5/PO3
CO5	Ability to understand the theory of probability and random variables. Application of probability distribution to find expectation.	Intellectual/Critical thinking/Decision making	L1/L5	PO5/PO2



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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	II	Numerical And Statistical Methods(Practical) USIT204

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to write code in Scilab for mathematical problems.	Intellectual	L1/L2	PO1
CO2	Ability to work with problems which take so much time to solve manually.	Problem-solving	L3	PSO2/PSO1
CO3	Ability to change the codes as per requirement of the question and do the analysis of data to draw conclusions.	Analytical	L4	PO2
CO4	Ability to create code which can be used in future mathematical problems.	Develop	L6	PSO3/PSO2/ PO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	II	Microprocessor Architecture USIT202

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand 8085 Microprocessor Architecture. External pin diagram and pin functions of IC 8085. Understand difference between microprocessor and CPU	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to apply various instructions and operations on microprocessor and construct well commented , understandable assembly language programs	Problem solving	L3	PO2/PSO3
CO3	Ability to analyse the architecture of 8085 microprocessor and programming.	Analytical	L4	PO2/PSO2
CO4	Ability to decide best processor for computers and laptops	Decision Making	L5	PO3/PSO1

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	II	Microprocessor Architecture (Practical) USIT2P2

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand assembly language programming.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to calculate sum , average ,smallest , biggest number from given series of numbers.	Problem solving	L3	PO2
CO3	Ability to determine the instructions to write programs .	Decision making	L5	PO4/PSO2
CO4	Ability to create assembly language programs for arithmetic , logical and data transfer operations .	Digital Skills	L6	PO5/PSO2

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	II	Green Computing USIT205

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand and explain concepts and issues of Green computing and its Initiatives and Standards done all over the world.	Intellectual	L1/L2	PO1
CO2	Ability to evaluate Power Usage, Cooling Needs, Cost, cause, and Monitoring Power Usage and apply the way of Minimizing Power Usage and Reducing Cooling Costs.	Problem-solving	L3	PO2/ PSO3
CO3	Ability to analyze and understand the Global Impact of Local Actions in Green computing and finding ways of doing necessary steps of changing the way world works.	Analytical	L4/L2	PO2
CO4	Ability to Demonstrate how to Greening Your Information Systems and Conclude how to Staying Green.	Research Aptitude	L2	PO4/ PSO1
CO5	Ability to Understand Recycling Problems in various countries and analyse the best company and certification of finding recycling companies. And Recognizing various certificate programs for hardware consideration and also understanding the concept of thin client and Remote desktop.	Decision Making/ Critical thinking	L1,L2	PO2/ PO3/ PO5/ PSO1

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	II	Green Computing (Practical) USIT2P5

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand Problems related to Green computing and its impact on the environment.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to demonstrate with the help of a project on recycling, refurbishing and reusing of electronics.	Problem-solving	L3	PO2/ PSO3
CO3	Ability to Classify various problems and suggest probable solutions for energy consumption and saving.	Analytical	L4	PO5/ PSO1
CO4	Ability to design a project and present on various topics of green computing. Or do a research project and gather information on real-life situations.	Leadership/ Communication/ Teamwork	L6	PO5/ PSO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	II	Object Oriented Programming USIT201

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand, explain and illustrate the procedural and object-oriented paradigm, principles of OOPS with concepts of streams, classes, functions, data and objects.	Intellectual	L1/L2	PO1/PSO2
CO2	Ability to Demonstrate & build Classes and Objects, constructors and destructors and also the behaviour of inheritance and its implementation.	Problem solving	L3	PO2/PSO2
CO3	Ability to analyse Encapsulation of data in virtual functions and polymorphism.	Analytical	L4	PO2/PSO3
CO4	Ability to evaluate the concepts of Exceptions Handling in programming	Decision making	Ls5	PO4
CO5	Ability to Develop applications for a range of problems using object-oriented programming techniques like templates and File Operations	Digital Skills	L6	PS02/PSO3

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
BSc Information Technology	II	Object Oriented Programming Practical USIT2P1

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to understand object-oriented concepts such as objects, class abstraction and message passing.	Intellectual	L2/L1	PO1//PSO2
CO2	Ability to Create Operator overloading, Inheritance and method overriding.	Digital Skills	L6	PSO2
CO3	Ability to design Class Templates, friend function and function overloading.	Digital Skills	L6	PSO2
CO4	Ability to Apply I/O operation to handle file system.	Decision making	L3	PSO3

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	II	WEB PROGRAMMING USIT203

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	To understand and design a basic website using HTML and CSS to demonstrate responsive web design.	Intellectual	L1/L2	PO1,PSO1
CO2	To understand different layouts in HTML and design formatted web pages using tables. Also to learn about using multimedia in HTML pages.	Problem-solving	L2	PO2,PSO1
CO3	To implement dynamic web pages with validation using JavaScript objects by applying different event-handling mechanisms.	Analytical	L4	PO2,PSO2
CO4	To develop simple web applications using server-side PHP programming and Database Connectivity using MySQL.	Decision making	L4	PO5,PSO3
CO5	To develop advanced web applications using queries to build forms, cookies, and session implementation, sending email through HTML pages.	Leadership/ Management/ Communication	L6	PO5, PSO5



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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	II	WEB PROGRAMMING PRACTICAL: USIT2P3

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand and define the Structure and implement HTML/CSS.	Intellectual	L1/L2	PO1, PSO1
CO2	Apply intermediate and advanced web development practices.	Problem-solving	L3	PO2, PSO2
CO3	Develop a basic JavaScript.	Analytical	L6	PO2,PSO2
CO4	Create visualizations in accordance with PHP theories.	Decision making	L4	PO5,PSO4
CO5	Develop a fully functioning website and deploy on a web server.	Leadership/ Management/ Communication	L6	PO5,PSO4

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	III	Python Programming (USIT301)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand: Students will be able to develop small applications using basic concepts, values & expressions, various control & conditional statements and looping.	Intellectual/ Decision Making	L1/L2	PO1/PO3
CO2	Ability to demonstrate to use and implement built-in functions and User defined Functions along with different sting methods.	Problem solving	L2	PO2/PSO2
CO3	Ability to Design, analyse Will be able to use new datatypes such as Lists, Tuples and dictionaries, Create and handle Exceptions and how to deal with files.	Analytical Skills, Digital Skills	L6/L4	PO2/PSO3
CO4	Ability to Develop Can create class and objects, Implement use of regular expression and multithreaded programming.	Digital Skills	L6	PSO2/PSO3
CO5	Ability to develop Students will be able to develop GUI applications with database connectivity and widgets.	Digital Skills	L6	PSO2

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### Course Outcomes:

Department	Semester	Course Name
Information Technology	III	Data Structure USIT302

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand types of data structure and different operations performed on it. To explain characteristics of algorithm.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to solve problems like polynomial equations by using linked list data structure. To understand the operations performed on linked list	Problem solving	L3/L1	PO2/PSO3
CO3	Ability to analyse the various sorting and searching techniques on arrays and to create various types of trees and its applications like Huffman Algorithm, binary search tree	Analytical	L4	PO2/PSO3
CO4	Ability to understand hashing techniques including collision techniques and to study graphs and its different operations and its traversals	Intellectual	L2	PO4/PSO1
CO5	Ability to design stack and queue data structure from array and linked list. To understand different operations performed on it.	Digital Skills	L6	PO5/PSO2

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Information Technology	III	Computer Networks (USIT303)

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to understand data communication & explain the network models. Distinguish between guided media and unguided media.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to identify error detection and apply checksum, forward error correction, error correcting codes, error detecting codes.	Problem solving	L3	PO2/ PSO5
CO3	Ability to analyse network layer services, packet switching. Explain Multiplexing and Spectrum spreading with suitable example.	Analytical	L4/L1	PO2/ PSO3
CO4	Ability to evaluate data link layer decision issues.	Decision making	L5	PO4

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	III	DATABASE MANAGEMENT SYSTEMS USIT304

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and explain the basics of a database system, its purpose and understand Transactions management.	Intellectual	L1	PO1
CO2	Ability to Develop and Design conceptual model of a database using ER modelling for building database applications.	Problem-solving	L6/L4	PO2
CO3	Ability to create database and run queries of SQL and PL/SQL. Also build Relational Algebra and Calculus from various table.	Analytical	L6	PO2/ PO4
CO4	Ability to understand and illustrate Transaction management and Concurrency Control.	Intellectual	L2	PO5

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### Course Outcomes:

Department	Semester	Course Name
Information Technology	III	Applied Mathematics (USIT305)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Matrix operation and their application.  Understanding the concepts of Complex Numbers and hyperbolic functions.	Intellectual/Problem Solving	L1/L2/L5	PO1/PO2/
CO2	Ability to solve the differential equation of degree one and higher.	Critical Thinking/Analytical	L3/L2	PO2/PO1
CO3	Ability to understand the concept of Laplace transform and its application.  Introduction and Application of inverse Laplace transform to solve Differential Equation.	Analytical/Application	L2/L4/L3	PO5/PO2
CO4	Ability to evaluate the Integral and their application to find area and volume	Analytical/Application	L5/L2/L1	PO2/PO1
CO5	Ability to understand and apply Beta and Gamma function to evaluate tedious integration sums.	Analytical/Application/Intellectual	L4/LL5/L2	PO1/PO2

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**Course Outcomes:**

Department	Semester	Course Name
BSc Information Technology	III	Python Programming Practical (USIT3P1)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Develop, Test and Debug Python Programs	Digital Skills	L6	PSO1
CO2	Build Conditionals and Loops for Python Programs	Decision Making	L2	PSO2/PSO3
CO3	Use functions and represent Compound data using Lists, Tuples and Dictionaries	Digital Skills	L6	PSO2
CO4	Read and write data from & to files in Python and develop Application using Pygame	Digital Skills	L6	PSO3

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	III	Data Structures Practical (USIT3P2)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the basic concepts of data structures and algorithms	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to apply Programs on Basic concepts about searching and sorting techniques	Problem solving	L3	PSO4/PO2
CO3	Ability to basic concepts about stacks, queues,lists,trees and graphs	Digital Skills	L6	PSO3
CO4	Ability to develop about writing algorithms and step by step approach in solving problems with the help of fundamental data structures	Digital Skills	L6	PSO3



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### Course Outcomes:

Department	Semester	Course Name
Information Technology	III	Computer Networks (Practical) (USIT3P3)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand IP address and network mask. Find information such as subnet address of this subnet, the broadcast address of this subnet, the range of host addresses for this subnet, the maximum number of subnets for this subnet mask, the number of hosts for each subnet, the number of subnet bits, the number of this subnet	Intellectual	L1/L2	PO1/ PSO3
CO2	Ability to configure IP static routing, Configure Simple OSPF, DHCP Server and client	Problem solving	L3	PO2/ PSO2
CO3	Ability to evaluate simple OSPF, Determine information about IP address such as Network address, Network broadcast address, Total number of host bits, Number of hosts	Decision making	L5	PO4/PSO3
CO4	Ability to create virtual PC based network using virtualization software and virtual NIC.	Leadership/ Management/ Communication	L6	PO3/ PSO3

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	III	Database Management System (Practical's) USIT3P4

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand the working of a database	Intellectual	L1/L2	PO1/ PO5/ PSO1
CO2	Ability to design a Database	Problem-solving	L3	PO2/ PO5/ PSO1/ POS3
CO3	Ability to create queries and generate outputs in SQL	Analytical	L4	PO5/ PSO1/ PSO4
CO4	Ability to create program in PLSQL	Analytical	L6	PO2/ PO5/ PSO1/ PSO4

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### Course Outcomes:

Department	Semester	Course Name
Information Technology	III	Practical - Mobile Programming (USIT3P5)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Demonstrate their understanding of the fundamentals of Android operating Systems	Intellectual	L1/L3	P1, PSO1
CO2	Classify their skills in using Android software development tools	Problem-solving	L2	P2, PSO2
CO3	Ability to develop software with reasonable complexity on mobile platform	Analytical	L6	P3, PSO2
CO4	Ability to deploy software to mobile devices	Decision making	L6	P4, PSO4
CO5	Forecast a case study on Linux, Android, and Windows and describe Windows power management, Security in windows.	Research Aptitude	L5	P4, PSO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	IV	Core Java (USIT401)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain to learn program structure and basic concepts of java.	Intellectual	L1/L2	PO1 PSO1
CO2	Ability to apply to understand and apply OOP techniques to solve real world problems.	Problem solving	L3	PS2/PSO2
CO3	Ability to analyse To Use and create package and interfaces in a Java program.	Analytical	L4	PO2/PSO3
CO4	Ability to Implement Multithreading & exception handling techniques in java	Decision making	L5	PO3/PSO2
CO5	Ability to create GUI application using Abstract Windows Toolkit	Digital Skills	L6	PSO2

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Information Technology	IV	Embedded System USIT402

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to understand the concept of embedded system, microcontroller, different components of microcontroller and their interactions. Explain characteristics and attributes of embedded systems	Intellectual	L1	PO1/PSO1
CO2	Ability to apply 8051 programming concepts to design a hardware.	Problem solving	L3	PO2/PSO1
CO3	Ability to analyse the various examples of embedded system.	Analytical	L4	PO2/PSO2
CO4	Ability to design, Development and planning of embedded systems-based projects	Leadership/Management /Communication	L6	PO5/PSO5

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### Course Outcomes:

Department	Semester	Course Name
Information Technology	IV	Computer Oriented Statistical Techniques(USIT403)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain the concepts of Averages, Deviations. Understanding and application of R-tool.	Intellectual/Analytical	L1/L4	PO1/PSO3/PO2
CO2	Ability to apply the concepts of Skewness and kurtosis to analyse the distribution of data. Study of probability theory and sampling.	Critical Thinking/Analytical/Research	L3/L4/L5	PO5/PO2
CO3	Ability to estimate the parameters and testing the hypothesis. Ability to use R-tool as statistical tool	Analytical/Decision Making	L4/L5/L2	PO2/PSO3/PO1
CO4	Ability to fit and test the goodfit of binomial or poisson distribution through small sampling.	Decision making/Research	L6/L5	PO1/PO2/PO5
CO5	Ability to establish relation between variables through correlation.	Analytical/critical	L4/L5/L1	PO1/PO2/PO3

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### Course Outcomes:

Department	Semester	Course Name
Information Technology	IV	SOFTWARE ENGINEERING (USIT404)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	To interpret Knowledge of basic SW engineering methods and practices and A general understanding of software process models	Intellectual	L1/L2	P1, PSO1
CO2	To analyze the software requirements and the SRS documents along with the Critical system application and their system model	Problem-solving	L3	P2, PSO2
CO3	To construct the role of project management including project architecture design and Quality management.	Analytical	L4	P2, PSO5
CO4	To analyze the approach to verification and validation including static analysis, and reviews.	Decision making	L4	P2, PSO2
CO5	To design the software process framework and software reusability and distributed software engineering.	Leadership/ Management/ Communication	L6	P5, PSO3

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### Course Outcomes:

Department	Semester	Course Name
Information Technology	IV	Computer Graphics and Animation (USIT405)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand Computer Graphics and explain its applications. Ability to describe Software, Description of some graphics devices, Input Devices for Operator Interaction, Active and Passive Graphics Devices, Display Technologies, Storage Tube Graphics Displays, Calligraphic Refresh Graphics Displays, Raster Refresh (Raster-Scan) Graphics Displays	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to apply 2D transformation using translation, rotation, scaling, Digital Differential Analyzer (DDA) algorithm, Bresenhams' Line drawing algorithm, Bresenhams' method of Circle drawing, Midpoint Circle Algorithm	Problem solving	L3	PO2/ PSO2/ PSO3
CO3	Ability to evaluate point coordinates using DDA Algorithm and conclude the output. Ability to determine visible surface using Back face removal, The z-Buffer Algorithm, Scan-line method, Painter's algorithms (depth sorting), Area sub-division method, BSP trees, Visible-Surface Ray Tracing	Decision making	L5	PO4
CO4	Ability to create 2D and 3D animated images,	Leadership/ Management/ Communication	L6	PO5/ PSO2



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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	IV	Core Java Practical (USIT4P1)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain Use the syntax and semantics of java programming language and basic concepts of OOP.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to apply Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.	Problem solving	L3	PO3/PSO2
CO3	Ability to Create & Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.	Analytical	L6/L3	PSO2/PSO3
CO4	Ability to Design, develop event driven GUI and web related applications which mimic the real word scenarios.	Decision making	L6	PO4/PSO2

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	IV	Embedded System (Practical) USIT4P2

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand the basic concepts of 8051 microcontroller programming.	Intellectual	L1	PO1/PSO1
CO2	Ability to demonstrate use of general-purpose port i.e., Input/ output port of two controllers for data transfer between them.	Problem solving	L3	PO2/PSO1
CO3	Ability to determine the use of peripheral devices like DAC, stepper motor, seven segment display in 8051 microcontroller programming.	Decision making	L5	PO4/PSO2
CO4	Ability to design and develop a reprogrammable embedded computer using 8051 microcontrollers	Leadership/ Management/ Communication	L6	PO5/PSO5

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**Course Outcomes:**

Department	Semester	Course Name
Information Technology	IV	Computer Oriented Statistical Techniques (Practical) (USIT4P3)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand the use of a R-tool in doing statistical analysis.	Intellectual	L1/L2	PO1
CO2	Ability to import data from excel to work as per requirement.	Problem-solving	L3	PSO2/PSO1
CO3	Ability to analyse data and draw judgements and decisions.	Analytical	L4	PO2
CO4	Ability to Create data on R-tool which can be used to make best decision and conclude the nature of Data.	Develop	L6	PSO3/PSO2/ PO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	IV	PRACTICAL: SOFTWARE ENGINEERING (USIT4P4)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand the software requirements, development process & methods.	Intellectual	L1/L2	PO1,PSO1
CO2	Ability to illustrate the critical techno-system.	Problem-solving	L3	PO2,PSO2
CO3	Ability to design architecture and user interface.	Produce	L2	PO5,PSO3
CO4	Create validation and verification of software.	Develop	L6	PO5,PSO5

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### Course Outcomes:

Department	Semester	Course Name
Information Technology	IV	Computer Graphics and Animation (Practical) (USIT4P5)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand basic functions used for graphics, Enlist the basic functions used for graphics with suitable example.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to apply Flood Fill Algorithm, Construct a simple hut on the screen using different colour.	Problem solving	L3	PO2/ PSO2
CO3	Ability to evaluate point coordinates using Bresenham's Line drawing algorithm and conclude the output.	Decision making	L5	PO4/ PSO3
CO4	Ability to implement Cohen- Sutherland clipping, To create a house like figure and perform the following operations. i. Scaling about the origin followed by translation. ii. Scaling with reference to an arbitrary point. iii. Reflect about the line $y = mx + c$ .	Leadership/ Management/ Communication	L6	PO5/ PSO3/ PSO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	V	Software Project Management USIT501

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand Project Management, Project Planning, Project Evaluation and Programme Management and design Project model	Intellectual	L2	PO1/ PSO5/ PSO3
CO2	Ability to Select an Appropriate Project Approach and calculate Software Effort Estimation.	Problem-solving	L5	PO2/ PSO5
CO3	Ability to construct Activity Plan and estimate Risk Management, and Resource Allocation.	Analytical	L4	PO5/ PSO5
CO4	Ability to understand Monitoring and Control of Software development, Managing Contracts with clients and Managing People in Software development Environments	Critical thinking/ Decision making	L6	PO1/ PSO5
CO5	Ability to explain Software Quality and understand the way of Project Closeout and find the ability to Working in Teams.	Teamwork	L1/L2	PO1/ PSO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	V	Project Dissertation USIT5P1

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to prepare a project by gathering requirements	Intellectual	L3	PO5/ PSO5/ PSO1
CO2	Ability to design models for the software project	Problem-solving	L6	PO5/ PSO5/ PSO1/ PSO2
CO3	Ability to construct a software Project and test it.	Analytical	L5	PO3/ PSO5/ PSO3/ PSO2
CO4	Ability to develop a team project and present it	Teamwork	L6	PO4/ PSO5/ PSO1/ PSO3

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### Course Outcomes:

Department	Semester	Course Name
Information Technology	V	INTERNET OF THINGS USIT502

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Understand and apply the concepts of IOT.	Intellectual	L1/L3	P1, PSO1
CO2	Classify and Identify the different technologies.	Problem-solving, Analytical	L2	P2, PSO2
CO3	Apply IOT to different applications.	Analytical	L2	P3, PSO2
CO4	Analysis and evaluation protocols used in IOT. Able to understand the building blocks of the Internet of Things and its characteristics.	Decision making	L3	P4, PSO4
CO5	Analysis and evaluate the data received through sensors in IOT.	Skill Development	L4	P4,PSO4



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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	V	INTERNET OF THINGS(PRACTICAL) USIT5P2

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Understand the importance of the internet of things in the present scenario	Intellectual	L1/L2	PO1, PSO1
CO2	Describe the interfacing of IoT with Arduino.	Problem-solving	L3	PO2, PSO2
CO3	Design of direct and alternating types of electrical instruments using Arduino.	Intellectual	L2	PO5, PSO3
CO4	Analyze the protection schemes of induction motor against over current and under-voltage.	Develop	L6	PO1, PSO5
CO5	Develop a relay model for protection of home appliances from over and under voltages.	Develop	L6	PO1, PSO5

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### Course Outcomes:

Department	Semester	Course Name
Information Technology	V	Advanced Web Programming USIT503

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	State and explain the MS.NET framework, to use the features of the .NET Framework along with the features of C# such as C# programming basics, Objects and Types, and Inheritance.	Intellectual	L1/L3	P1, PSO1
CO2	Develop Web forms and make use of Web controls for building web applications.	Problem-solving, Analytical	L2	P2, PSO2
CO3	Classify and evaluate the web pages using Styles, Themes, and Master Pages.	Analytical	L2	P3, PSO3
CO4	Develop dynamic web applications by using the ADO .Net for Database Connectivity.	Skill Development	L6	P4, PSO4
CO5	Design the web application by using XML, and AJAX with collaborating Security aspects.	Skill Development	L6	P4,PSO4

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	V	Advanced Web Programming(Practical) USIT5P3

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Understand and classify client-server architecture and able to use the skills for web project development	Intellectual	L1/L2	PO1, PSO1, pso2
CO2	Develop a static, interactive, and well-formed webpage using JavaScript, CSS3, and HTML5	Problem-solving	L6	PO2,PSO5
CO3	Advise PHP7 to improve the accessibility of a web document.	Skill development	L3	PO5,PSO3
CO4	Designing and developing web applications	Develop	L6	PO1,PSO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	V	Next Generation Technologies (USIT507)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define, understand & explain to Understand Big Data Concepts and applications. To understand role of MongoDB as NoSQL Database.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to apply & build MongoDB data model and apply different CRUD operations to analyse unstructured data.	Problem solving	L3	PSO4/PO2
CO3	Ability to relate how data is stored in MongoDB and data writes happen using journaling. To list MongoDB's limitations and the use cases where it's not a good fit.	Analytical	L4	PSO4/PO2
CO4	Ability develops skills to write scripts that create interactive effects on websites using jQuery.	Digital Skills	L6	PSO3
CO5	Ability to create and parse JSON data	Digital Skills	L6	PSO3

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
BSc Information Technology	V	Next Generation Technologies Practical (USIT5P7)

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	Ability to define, understand & explain MongoDB Basics, Simple Queries with MongoDB	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to apply Programs on Basic jQuery & jQuery Advanced	Problem solving	L3	PSO4/PO2
CO3	Ability to develop JSON	Digital Skills	L6	PSO3
CO4	Ability to evaluate Replication, Backup and Restore	Digital Skills	L6	PSO3

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Information Technology	V	Artificial Intelligence USIT504

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO PSO</b>
CO1	To understand the foundations and history of Artificial Intelligence, types of agents and environment with their Performance measures, Environment, Actuators, and Sensors	Intellectual	L1/L3	P1, PSO1
CO2	To illustrate the search algorithms and demonstrate the search techniques of uninformed informed and local search category	Problem-solving, Analytical	L2	P2, PSO2
CO3	To solve problems related to the gaming domain using adversarial search Algorithms To illustrate the working of knowledge-based agents and Propositional logic.	Analytical, Problem-solving,	L2	P3, PSO3
CO4	To define the knowledge representation components	Skill Development	L6	P4, PSO4
CO5	To formulate the First order logic. To demonstrate the working of Inference and logic.	Skill Development	L6	P4, p5, PSO4

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	V	Artificial Intelligence(practical) USIT5P4

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Demonstrate knowledge of the building blocks of AI as presented in terms of intelligent agents.	Intellectual	L1/L2	PO1, PSO1
CO2	Analyse and formalize the problem as a state space, graph, design heuristics and select amongst different search or game based techniques to solve them.	Problem-solving	L3	PO2, PSO2
CO3	Design good evaluation functions and strategies for game playing.	Development Skill	L6	PO5, PSO3, PSO4
CO4	Describe and design several of the major approaches to classical planning, including planning graphs, POP, and propositionalization	Develop	L6	PO1, PSO5

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### Course Outcomes:

Department	Semester	Course Name
Information Technology	VI	Software Quality Assurance USIT601

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Understand the importance of Software Project Management.	Intellectual	L1/L3	P1, PSO1
CO2	Implement Project Evaluation and Programmed Management along With Project Planning & Estimate the cost of Software and its process.	Problem-solving, Analytical	L2,L5	P2, PSO2
CO3	Explain the principles behind testing software and why software should be tested.	Analytical, Problem-solving,	L2	P3, PSO3
CO4	Analysis testing processes and be able to identify when to begin testing during the software development lifecycle.	Skill Development	L4	P4, PSO4
CO5	Determine verification and validation processes of testing.	Skill Development	L5	P4, p5, PSO4



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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	V	Project Implementation USIT6P1

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to plan a project	Intellectual	L3	PO5/ PSO5/ PSO1
CO2	Ability to design modules to build the project	Problem-solving	L6	PO5/ PSO5/ PSO1/ PSO2
CO3	Ability to construct a software Project and test it.	Analytical	L5	PO3/ PSO5/ PSO3/ PSO2
CO4	Ability to develop a team project and present it	Teamwork	L6	PO4/ PSO5/ PSO1/ PSO3

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	Sem VI	Security in Computing USIT602

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define and explain Information Security Overview, its Risk Analysis and Secure Design Principles	Intellectual	L1	PO1/ PSO1
CO2	Ability to evaluate and understand Encryption, Storage Security and Database Security	Problem-solving	L3	PO2
CO3	Ability to design and identify Secure Network, Network Device Security and Firewalls, and Wireless Network Security	Analytical	L4	PO2/ PSO2
CO4	Ability to design Operating System Security Models and understand Intrusion Detection, Prevention Systems and Voice over IP (VoIP) and PBX Security	Digital	L2	PO2/ PSO PSO4
CO5	Ability to create Virtual Machines and explain Cloud Computing, Physical Security and design Secure Application. Describe the Physical Security of Assets	Digital	L6/L1/ L2	PSO4

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	Sem VI	Security in Computing USIT6P2 (Practicals)

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to Configure Routers and AAA Authentication, Ex*tended ACLs	Digital	L1/L2	PO4/ PSO2
CO2	Ability to Configure and design Zone-Based Policy Firewall, Layer 2 Security, Layer 2 VLAN Security	Problem-solving	L3	PO2/ PSO4
CO3	Ability to Verify a Site-to-Site IPsec VPN Using CLI	Analytical	L4	PO2/ PSO4
CO4	Ability to understand and configure ASA Basic Settings and Firewall Using CLI	Intellectual/ Skills	L6	PO4/ PO1/ PSO3

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	VI	Business Intelligence USIT603

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to define Business Intelligence, understand Effective and timely decisions, Data, information and knowledge, The role of mathematical models, Business intelligence architectures, Ethics and business intelligence	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to apply Analysis methodologies in data mining. Prepare structure of mathematical models, Development of a model, Classes of models	Problem solving	L3	PO2/ PO3/ PSO4
CO3	Ability to classify the models using Bayesian methods, Logistic regression, Neural networks, Support vector machines	Analytical	L4	PO4/ PSO2
CO4	Ability to evaluate the efficiency measures, Efficient frontier, The CCR model, Identification of good operating practices	Decision making	L5	PO5/ PSO3

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	VI	Business Intelligence (Practical) USIT6P3

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to import the legacy data from different sources such as ( Excel , SqlServer, Oracle etc.) and load in the target system.	Intellectual	L1/L2	PO1/PO5/ PSO1
CO2	Ability to apply logistic regression on the given data warehouse data, the MDX queries to extract the data from the datawarehouse.	Problem solving	L3	PO2/ PSO4
CO3	Ability to perform the data classification using classification algorithm, data clustering using clustering algorithm, linear regression on the given data warehouse data.	Decision making	L5	PO3/ PSO2
CO4	Ability to create the ETL map and setup the schedule for execution.	Leadership/ Management/ Communication	L6	PO5/ PSO4/ PSO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	VI	Principles of Geographic Information System USIT604

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand the nature of GIS & real world representation of it, defining geographic phenomena, types of geographic phenomena, Geographic fields, Geographic objects, Boundaries	Intellectual	L1/L2	PO1
CO2	Ability to combine data from multiple source	Problem solving	L3	PO2
CO3	Ability to analyse the spatial query, Accuracy and Positioning, Positional accuracy, Attribute accuracy, temporal accuracy, Lineage, Completeness, Logical consistency	Analytical	L4	PO2
CO4	Ability to create Maps using cartographic toolbox, qualitative data, quantitative data, terrain elevation. Ability to map time series	Leadership/ Management/ Communication	L6	PO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	VI	Principles of Geographic Information System (Practical) USIT6P4

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to understand the installation of QGIS. Ability to recognise dataset for both vector and raster data.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to apply Plugins, Searching and Downloading OpenStreetMap data Ability to prepare map, working with attributes, Importing spreadsheets or CSV files using plugins.	Problem solving	L3	PO2/ PSO2/ PSO4
CO3	Ability to evaluate Georeferencing Topo Sheets and Scanned Maps. Determine the analysis of nearest neighbour, sampling raster data using points or polygons	Decision making	L5	PO4/PSO4
CO4	Ability to create Automation Map with print composer atlas, to process batch using Processing Framework	Leadership/ Management/ Communication	L6	PO5/PSO5

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### Course Outcomes:

Department	Semester	Course Name
BSc Information Technology	Sem 6	Cyber Law USIT607

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Ability to explain Power of Arrest Without Warrant Under the IT Act, 2000 and Cyber Crime and Criminal Justice.	Intellectual	L2	PO1
CO2	Ability to understand Contracts in the Infotech World, Jurisdiction in the Cyber World, Battling Cyber Squatters and Copyright Protection in the Cyber World	Problem-solving	L1	PO2/ PSO2
CO3	Ability to analyze the Jurisdiction and Validity of the Present Law of Jurisdiction, Civil Law of Jurisdiction in India.	Analytical	L4	PO3
CO4	Ability to evaluate problems related to Digital Signatures, Digital Signature Certificate, Certifying Authorities, and Liability in the Event of Digital Signature Compromise	Decision making	L2	PO4/ POS3/ PSO2
CO5	Ability to evaluate E-Commerce Taxation Real Problems in the Virtual World, The Indian Evidence Act of 1872 v. Information Technology Act, 2000 and Protection of Cyber Consumers in India	Critical thinking	L5	PO2



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### Course Outcomes:

Department	Semester	Course Name
Information Technology	VI	Android Mobile Programming (Practical) USIT6P6

CO No.	Course Outcomes	Skill	Bloom's Level	PO PSO
CO1	Understand and Install, configure Android application development tools.	Intellectual	L1/L3	P1, PSO1
CO2	Design and develop user Interfaces for the Android platform.	Skill Development	L6	P2, PSO2
CO3	Classify state information across important operating system events.	Analytical	L4	P3, PSO2
CO4	Apply Java programming concepts to Android application development.	Skill Development	L3	P4, PSO4

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**M.Sc.**

**Programme Specific Outcomes (PSO's):**

**PSO1 –**

Knowledge of the concepts through theoretical understanding of the principles of chemistry.

**PSO2 –**

Develop skills in problem solving, critical thinking and analytical reasoning.

**PSO3 –**

Develop aptitude and skills necessary for research

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	I	Physical Chemistry PSCH 101

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	To Understand and define the concept of Thermodynamics and derive the Laws of thermodynamic. Apply the knowledge of thermodynamic and solve the problem based on it.	Intellectual Problem solving Calculating Analyzing Creating	L2 L3 L4 L6	PO1 PO2 PO4
CO2	To Understand the concept of classical and quantum mechanics and application of quantum mechanics. Applying the knowledge of the Quantum Chemistry and derive different wave equations. Evaluating and solving the problem based on operator, wave equation and energy level.	Understanding Problem solving Calculating Analyzing Implementing	L1 L3 L4 L6	PO1 PO2 PO4 PO5
CO3	Ability to analyse the rate law of the elementary and chain reaction and their mechanisms using derivations. Understanding the application of statistical, chemical kinetics and solve numerical.	Analyzing Understanding Problem solving	L1 L2 L3 L4	PO1 PO2 PO4
CO4	Ability to explain the basics features of Electrochemistry and understanding the theory involved in it. To gain knowledge of batteries and bio – electro chemistry and categorise them	Analyzing Deriving Problem solved Categorising	L4 L2 L1	PO3 PO1 PO5

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	I	Inorganic Chemistry PSCH 102

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Cognitive learning of basic concept of Hybridization and Predict Chemical Bonding of given molecule. Apply the knowledge of MOT and VBT to construct the orbital diagrams.	Intellectual Creating Analyzing	L2 L4 L6	PO1 PO2 PO4
CO2	Ability to define and explain Molecular symmetry and group theory and apply the concept on the representation of character table.	Remembering Problem solving Applying	L1 L3	PO1 PO4 PO3
CO3	Ability to Understand and apply in the field of Semiconductor, solar cell, Sol – Gel Method and solid state chemistry. Ability to evaluate the properties of Nano material and apply on the preparation techniques.	Analysing Creating	L4 L6	PO1 PO2 PO3 PO5
CO4	To understand and define and explain, Coordination chemistry and its characterization. Draw the structure of Orgel diagram and Tanabe-Sungano Diagram.	Understanding Analyzing Mind mapping Drawing	L2 L5 L4	PO1 PO2 PO4

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	I	Organic Chemistry PSCH 103

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to apply thermodynamics and kinetically controlled reactions and determining the mechanism of a reaction. Understanding the basic terms used in acid and bases and comparative study of acidity and basicity.	Intellectual Identifying Understanding determining	L2 L1 L5	PO1 PO2 PO3
CO2	To define and explain the reaction based on nucleophilic substitution and reactions involving ester hydrolysis. Ability to predict aromaticity, and apply the knowledge to draw Frost-Musulin diagram.	Problem solving Understanding Adapting	L3 L2 L6	PO3 PO1 PO2
CO3	Ability to Understand about mechanism and Characteristics of Stereochemistry. Apply and predict the stereochemistry of organic compounds and R/S Configuration.	Understanding Analytical Crating	L2 L5 L6	PO1 PO2 PO4
CO4	Ability to elucidate oxidation and reduction reaction mechanisms and important applications in many fields of chemistry.	Analyzing Categorizing Simplifying	L4 L1 L5	PO2 PO4 PO3

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	I	Analytical Chemistry PSCH 104

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define and applications of various languages in analytical chemistry and quality in analytical chemistry. To evaluate quality in analytical chemistry, safety in laboratories, GLP, and accreditation in laboratories.	Intellectual Implementing Calculating	L1 L4 L3 L2	PO1 PO3 PO2 PO5
CO2	Ability to apply and solve problem based on concentrations, stoichiometry of chemical reaction, solubility, pH, oxidation no. and no. of moles.	Problem solving Applying Implementing Calculating	L3 L6	PO3 PO2 PO1
CO3	Ability to analyse various instruments such as spectroscopy, optical and IR absorption spectroscopy, also apply for deriving equation and solve numerical based on it.	Analyzing Comprehension Explaining	L4	PO2 PO1 PO3
CO4	To define and understand the concepts of thermal methods and automation in chemical analysis. To learn the application based outcomes of thermal methods.	Analyzing Applying Understanding Compareing	L4 L3 L2	PO1 PO3 PO4

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	I	Physical Chemistry practical PSCP 101

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand & explain the basic formula related to physical chemistry.	Intellectual	L2	PO1 PO3
CO2	Ability to applying the principle and handling the pH meter, Conductometer and potentiometer.	Problem solving Analyzing Implementing Measuring	L3 L6 L4	PO2 PO5 PO1
CO3	Ability to analyse Solubility, wave function, pKa value, Ostwald's Dilution law.	Applying Analyzing Implementing	L4 L6 L3	PO3 PO1 PO2
CO4	Ability to test and measures the sample solutions.	Analyzing Measuring	L5 L4	PO4 PO5 PO3
CO5	Ability to create an idea for handling the different type of instruments like pH meter, Conductometer and potentiometer.	Remembering	L1	PO4

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	I	Inorganic Chemistry Practical PSCHP 102

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understanding the principle and working of different instruments.	Intellectual	L3	PO1
CO2	Ability to apply the knowledge of quantity analysis for the determination of metals from Ores/Alloy.	Problem solving Analyzing Measuring	L3 L6 L4	PO2 PO1 PO5
CO3	Ability to analyse different metals in Ores/Alloys.	Applying Analyzing Implementing	L3 L4 L6	PO2 PO3 PO1
CO4	Ability to evaluate and detect the various metal ions using different methods.	Analyzing Measuring	L5 L4	PO4 PO5 PO3
CO5	Ability to create the knowledge to prepare exact solution for quantitative analysis.	Implementing Remembering	L1 L4	PO4 PO1 PO3



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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	I	Organic Chemistry Practical PSCHP 103

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to explain chemical reaction mechanism. Ability to understand MSDS of Chemicals and create MSDS Sheets.	Intellectual Creating	L2 L6	PO1 PO4 PO2
CO2	Ability to apply the basic knowledge of stoichiometric, theoretical and percentage yield.	Problem solving Analyzing Measuring	L3 L6 L4	PO2 PO1 PO5
CO3	Ability to calculating percentage yield and MSDS of the chemical reaction	Applying Analyzing Implementing Problem solving	L3 L4 L6 L2	PO2 PO3 PO1 PO5
CO4	Ability to determine purity of an organic compound using TLC & M.P.	Analyzing Measuring	L5 L4	PO4 PO5 PO3
CO5	Setup one step reactions; calculate the stoichiometry, theoretical and percentage yield.	Implementing Calculating Remembering	L1 L4	PO4 PO1 PO3 PO5

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	I	Analytical Chemistry Practical PSCHP 104

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Understanding the breakthrough capacity of ion-exchange resin and calculating the amount of ions in the unknown solution.	Intellectual Creating Problem solving Analysing	L2 L6	PO1 PO4 PO2 PO5
CO2	Ability to applying the knowledge of handling the techniques like titrations and do calculation related to experiment.	Problem solving Analyzing Measuring	L3 L6 L4	PO2 PO1 PO5
CO3	Estimating the amount of Chlorine using Volhard's method and applying the knowledge in day-to-day life.	Applying Analyzing Implementing Problem solving	L3 L4 L6 L2	PO2 PO3 PO1 PO5
CO4	Ability to develop and prepare resin column.	Analyzing Measuring	L5 L4	PO4 PO5 PO3

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	II	Physical Chemistry PSCH 201

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	To Understand the concept of chemical Thermodynamics and apply the ideas of Gibbs energy, real solution, fugacity and thermodynamic surfaces. Ability to define thermodynamics and bioenergetics.	Intellectual Problem solving Calculating Analyzing Creating	L1 L2 L4 L6	PO1 PO2 PO3
CO2	To Understand and define the concept Schrodinger's wave equations in 1D, 2D and 3D and applications. Applying the knowledge of the Quantum Chemistry and derive Huckel Molecular Orbital theory.	Problem solving Calculating Analyzing Implementing	L3 L1 L6 L4	PO2 PO1 PO4 PO5
CO3	Ability to understand and derive equations on Chemical kinetics and molecular reaction dynamics. Ability to identify problem and implementing the best solution on Michelis - menten analysis and enzyme action.	Analyzing Understanding Problem solving	L4 L1 L3	PO2 PO1 PO4
CO4	Remembering phase equilibria and solid state chemistry to understand and explain their types.	Analyzing Deriving Problem solved Categorising	L4 L2 L1	PO3 PO1 PO5

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	II	Inorganic Chemistry PSCH 202

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand and construct the inorganic reaction mechanism. To learn the classification of mechanism on the basis of Ligand substitution reaction and redox reaction.	Understanding Problem solving Analyzing Creating	L2 L4 L6	PO1 PO2 PO3
CO2	To learn the basic concept of Organometallic Chemistry of transition element. Ability to apply rules and formula of sixteen and eighteen electron rule.	Problem solving Calculating Analyzing	L3 L4 L6	PO1 PO4 PO2
CO3	Ability to analyse environmental Chemistry and toxicity of Heavy metals. Ability to measures of different level of toxicity in various heavy metals.	Analyzing Understanding Problem solving	L4 L2 L6	PO3 PO5 PO2
CO4	Understanding the various application of Bio-inorganic Chemistry. Ability to Classify and understand various structure of bio-inorganic compound like haemoglobin and their medical applications.	Analyzing Deriving Applying Problem solved Understanding	L5 L4 L2	PO1 PO2 PO4

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	II	Organic Chemistry PSCH 203

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define and explain alkylation of nucleophilic substitution reaction and carbonyl group. Ability to write mechanism and derive application of the organic reactions.	Understanding Problem solving Applying Analyzing	L2 L3 L4	PO1 PO2 PO4
CO2	Ability to understand & explaining the reactions and rearrangement of named reactions.	Understanding Problem solving Analyzing Implementing	L4 L2 L3	PO1 PO3 PO2
CO3	Ability to apply the application of UV & IR Spectroscopy Ability to understand the Concept of HUMO and LUMO on the basis of molecular orbital diagram.	Analyzing Understanding Problem solving	L1 L2 L4	PO2 PO3 PO5
CO4	Ability to determining organic structures by using different spectral technique such as NMR & Mass Spectroscopy Ability to evaluate the spectral Data like NMR, C13 NMR and Mass Spectroscopy.	Analyzing Deriving Problem solved Categorising	L5 L2 L4	PO2 PO1 PO3 PO5

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	II	Analytical Chemistry PSCH 204

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand the basic concept of Chromatography & explain various instruments like HPLC, GC and GC-MS Ability to apply knowledge of chromatography in qualitative and quantitative analysis.	Understanding Applying Analyzing	L2 L3 L4	PO1 PO2 PO4 PO5
CO2	Ability to create knowledge in Advanced laboratory techniques like X-Rays, Mass spectrometry and Radio analytical method. To Apply the knowledge of advanced laboratory techniques in different field like medical & solid state chemistry	Understanding Problem solving Analyzing	L4 L2 L3	PO1 PO3 PO2
CO3	Ability to understand the concept of Surface Analytical techniques & application. Ability to analyse different sample by using AAS and Surface Analytical techniques	Analyzing Understanding Problem solving	L1 L2 L4	PO2 PO3 PO5
CO4	Ability to understand the principle of electroanalytical techniques like ion selective potentiometry, coulometry and electrogravimetry. Detecting the problems of polarography and solving with Ilkovic Equations.	Analyzing Deriving Problem solved Categorising	L1 L2 L4	PO2 PO1 PO3

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	II	Physical practical PSCP 201

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand & explain the basic formula related to physical chemistry.	Intellectual	L2	PO1
CO2	Ability to applying the principle and handling the pH meter, Conductometer, potentiometer and Spectrophotometer.	Problem solving	L3	PO2 PO5
CO3	Ability to analyse of three component system in phase rule.	Analytical	L4	PO3
CO4	Ability to Construct atomic orbital diagram of 1s, 2pz and 3dz <sup>2</sup> orbitals.	Analyzing	L5	PO4
CO5	Ability to create an idea for handling the different type of instruments like pH meter, Conductometer and potentiometer.	Remembering	L1	PO4 PO5

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
Chemistry (M.Sc. Part-I)	II	Inorganic Practical PSCHP 202

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to understanding the principle and working of different instruments.	Intellectual	L3	PO1
CO2	Ability to apply the knowledge to synthesized and characterised different inorganic complexes.	Problem solving	L3 L6	PO2 PO5
CO3	Ability to analyse different metals in Ores/Alloys.	Analytical	L4	PO3
CO4	Ability to evaluate and detect the various metal ions using different methods.	Analyzing	L5	PO4
CO5	Ability to create the knowledge to prepare exact solution for quantitative analysis.	Remembering	L1	PO4



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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	II	Organic Practical PSCHP 203

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to explain chemical reaction mechanism. Ability to understand MSDS of Chemical.	Intellectual	L2	PO1
CO2	Ability to apply the basic knowledge of element detection.	Problem solving	L3 / L6	PO2 PO4
CO3	Ability to purify and determination of mass of the organic mixture.	Analytical	L4	PO3
CO4	Identifying purity of an organic compound using TLC.	Remembering	L1	PO1 PO5
CO5	Setup one step reactions; calculate the stoichiometry, theoretical and percentage yield.	Analysis	L4	PO4
CO6	Ability to handle distillation setup for non-volatile organic liquids.	Directing	L6	PO4

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**Course Outcomes:**

Department	Semester	Course Name
Chemistry (M.Sc. Part-I)	II	Analytical Practical PSCHP 204

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Understanding the Calibration of various instruments.	Intellectual	L2	PO1
CO2	Ability to applying the knowledge of handling the instrumental techniques pH meter, Potentiometer, colorimeter, Conductometer and spectrophotometer.	Problem solving	L3	PO2 PO5
CO3	Estimating the amount of Drug using non-aqueous titration	Analysing	L4 L2	PO2 PO5
CO4	Ability to analyse daily products like washing soda, water sample, fertilizers and medicines.	Analysis	L4	PO3
CO5	Ability to determining simultaneous techniques for different metals in the same solutions.	Experimenting	L3	PO4

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	III	Quality in Analytical Chemistry PSCHA301

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand and explain Sampling and Pre-treatment of samples. Ability to apply basic knowledge to selection of the method like method validation and quality by design.	Intellectual Understanding applying	L2 L4	PO1 PO2 PO4
CO2	Ability to define, understand and apply Measurement of uncertainty, Signal to noise ratio and Pharmaceutical Legislation.	Intellectual Understanding evaluating Applying	L2 L5 L6	PO1 PO2 PO5
CO3	Ability to apply basic principle and working of a technique like Ion exchange chromatography, Ion chromatography and Exclusion chromatography.	Understanding Applying Creating Reviewing	L2 L3 L5	PO5 PO2 PO4
CO4	Ability to create, apply and explain techniques of Supercritical fluid Chromatography, Affinity Chromatography and OPLC	Understanding Applying Creating	L2 L3 L6	PO1 PO2 PO3

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	III	Advance Instrumental Techniques PSCHA302

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand and explain the principles of Surface Analytical Techniques. Ability to apply and explain various Instrumentation techniques like Secondary Ion mass spectroscopy, Particle-Induced X-Ray Emission & Low-Energy Ion Scattering and Rutherford Backscattering.	Intellectual Analysis Understanding Applying	L1 L2 L3 L4	PO1 PO2 PO3
CO2	Ability to define, understand and explain the principle, instrumentation, and applications of Mossbauer's spectroscopy, atomic emission spectroscopy and ESR. Ability to evaluate and draw instrumentation of spectroscopy.	Understanding Applying Creating Reviewing	L1 L2 L4 L5	PO3 PO4 PO1 PO5
CO3	Ability to apply and explain advanced Electroanalytical Techniques like TAST, Chronoamperometry, Stripping Voltammetry & Chronopotentiometry.	Intellectual Analysis Understanding Applying	L1 L2 L3 L4	PO1 PO2 PO3
CO4	To explain Principle, Instrumentation and Applications of Chiroptical, Photoacoustic spectroscopy, Spectroelectrochemistry and Chemiluminescence techniques.	Understanding Applying Creating Reviewing Analysis	L1 L2 L3 L4 L5	PO3 PO4 PO1 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	III	Bioanalytical Chemistry and Food Analysis PSCHA303

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to analyse and detect abnormal levels of glucose, creatinine, uric acid in blood. Reviewing the physiological and nutritional significance of vitamins and minerals.	Intellectual Understanding Analyse Applying	L2 L3 L5	PO1 PO3 PO4
CO2	Ability to apply immunology method and estimate the problems. Ability to evaluate or estimate carbohydrate and protein in human body.	Understanding Analyse Applying Problem Solving	L1 L2 L4	PO2 PO3
CO3	Ability to define the basic terminology in food like Food Additives, Food Contaminants.	Understanding Analyse Applying	L2 L4 L6	PO1 PO3 PO4
CO4	Ability to define the knowledge of Food packaging Processing and Quality. Ability to understand and analysis of Milk, Oils and spices.	Understanding Evaluation Analyse Applying	L2 L5 L6	PO2 PO3 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	III	Environmental and Certain Industrially Important Materials PSCHAEC-I 304

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand and classified the basic terminology in air pollution like flew gas, Industrial Exhaust and Environmental Legislation. Ability to analyse Carbon credit, global issues, Greenhouse gases and automobile exhaust control.	Understanding Analyse Applying Problem Solving	L2 L3 L4 L6	PO1 PO2 PO3 PO4
CO2	Ability to define, understand and classified the basic terminology in Water Quality Standards like Bore well water quality & quality of potable water. Ability to apply the knowledge of Process of purification & Regulatory of water and Determine the analytical parameters.	Intellectual Understanding Analyse Applying Problem solving	L1 L2 L3 L4 L6	PO1 PO2 PO3 PO4 PO5
CO3	Ability to define, understand and classified the basic terminology in other types of pollution such as Soil pollution, Noise Pollution, Thermal Pollution & Radioactive pollutants. Ability to analyse and concept of Environmental Audits.	Understanding Analyse Evaluation Applying Problem Solving	L2 L3 L4 L5 L6	PO1 PO2 PO3 PO5
CO4	Ability to define, understand, analysis and classified the knowledge of Industrial Materials like insecticides, Pesticides, soaps and Detergents, Petrochemical products	Intellectual Understanding Analyse Applying Problem solving	L1 L2 L3 L4 L6	PO1 PO2 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	III	Quality in Analytical Chemistry Practical PSCHA3P1

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & handle various instruments.	Understanding Analyse Applying Problem solving	L2 L3 L4 L6	PO1 PO2 PO4
CO2	Ability to apply basic knowledge in different instrument like pH meter, potentiometer, flame photometer, etc.	Analyse Applying	L3 L4	PO1 PO2 PO5
CO3	Ability to analyse different sample like carbonate, bicarbonate, copper, bismuth and pKin value.	Analysing Evaluating	L4 L5 L1	PO2 PO3
CO4	Ability to apply basic knowledge of various glassware instruments.	Applying creating	L4 L5 L1 L3	PO2 PO1 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	III	Advance Instrumental Techniques Practical PSCHA3P2

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & handle various instruments.	Intellectual Analyse Applying	L1 L2 L3	PO1 PO2 PO4
CO2	Ability to Analyse drug molecules, toothpaste, urine and blood samples.	Applying Problem solving	L4 L5	PO1 PO2 PO5
CO3	Ability to apply basic knowledge of various glassware instruments.	Analysing Evaluating creating	L4 L5 L6	PO2 PO3



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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	III	Bioanalytical Chemistry and Food Analysis Practical PSCHA3P3

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & handle various instruments.	Intellectual Analyse Applying	L1 L2 L3	PO1 PO2 PO5
CO2	Ability to apply basic knowledge of various glassware instruments.	Applying Problem solving	L4 L5	PO1 PO2 PO4
CO3	Ability to analyse daily use materials like sugar in honey, lactose in milk, vitamin C in lemon, alcoholic beverages.	Analysing Evaluating creating	L4 L5 L6	PO2 PO3

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	III	Environmental and Certain Industrially Important Materials Practical PSCHA3P4A

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand & handle various instruments.	Intellectual Understanding	L1 L2 L3	PO1 PO2 PO4
CO2	Ability to apply basic knowledge of various glassware instruments.	Understanding Applying	L4 L5	PO1 PO2 PO5
CO3	Ability to analyse water and ore samples.	Analysing Evaluating creating	L4 L5 L6	PO2 PO3

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	IV	Quality in Analytical Chemistry PSCHA401

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the basic principle of separation and applications of solvent extraction.	Intellectual Applying Classifying	L2 L3 L1 L4	PO1 PO2 PO3
CO2	To learn Separation, Analysis and Standardization of Herbal based products and define various terminologies of herbal plants and their medicinal uses.	Learning Understanding Applying Reviewing	L3 L1 L4 L2	PO2 PO3 PO4
CO3	Ability to understand, define and explain basics concepts of green chemistry. Ability to classify principles of green chemistry and designing safer route to perform chemical reactions. Ability to evaluate and designing greener process of green synthesis	Analysis Intellectual Applying	L4 L3 L1 L6 L5	PO1 PO2 PO3 PO4 PO5
CO4	To understands the basic knowledge of electrophoresis and their techniques. Ability to create an awareness regarding Nano chemistry and its dimensions.	Evaluating Understanding Applying	L2 L3 L1 L4	PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	IV	Advance Instrumental Techniques PSCHA402

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the principle of NMR spectroscopy and MRI. Application towards different types of NMR like C <sup>13</sup> , P <sup>31</sup> and F <sup>19</sup> spectroscopy	Intellectual Learning Understanding Applying	L2 L3 L1 L4	PO1 PO3 PO5
CO2	Ability to apply knowledge to sample using the techniques like mass spectroscopy and Raman Spectroscopy. To understand principles, instrumentation and applications of mass spectroscopy.	Applying Analysinig Understanding Problem solving	L3 L4 L2	PO1 PO2 PO3 PO4
CO3	Ability to understanding hyphenated techniques and learning application of instruments like Radiochemical And Thermal Methods.	Understanding Applying Analysinig	L4 L3 L5	PO2 PO3 PO5
CO4	Ability to understanding hyphenated techniques and learning application of instruments like GC-MS, FT-IR, HPLC-MS, and ICP -MS, GC – IR.	Understanding Applying Analysinig	L2 L3 L1 L4	PO1 PO2 PO3 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	IV	Selected Topics in Analytical Chemistry PSCHA403

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & explain the concept of Effluent Treatment plant. To get knowledge about water treatment plant.	Solving Analysing Explaining	L2 L1 L5	PO1 PO3 PO4
CO2	Ability to explain the concept of solid waste management and their drawbacks. To learn about bio-solid waste management and treatment of solid waste management.	Applying Analysing Explaining	L3 L4 L6	PO1 PO2 PO3
	To classify the plastics and polymers and determining their impurities using different techniques. To learn impact of plastics and polymers on environment and treatments.	Solving Applying Analysing Explaining	L1 L2 L4 L5	PO1 PO2 PO3 PO4
	To understand the basic concept of Metallurgy. Ability to apply various purification techniques like zone refining, magnetic separation and ore opening and get purified metals.	Applying Solving Analysing Explaining	L2 L4 L5 L5 L6	PO1 PO2 PO3 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	IV	Research methodology PSCHAOC-II 404

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand research methodology and basic knowledge of journals and digital sites like Scirus, Google Scholar, ChemIndustry, Wiki-databases, ChemSpider, Science Direct, SciFinder, Scopus.	Intellectual Applying Understanding Problem solving	L1 L2 L3 L6	PO1 PO3 PO5
CO2	To understand data analysis and different statistical methods. To learn ANOVA and apply them on sets of observations.	Applying Analysinig Understanding Problem solving	L3 L4 L5 L6	PO2 PO3 PO4
CO3	To understand the basics of Methods of Scientific Research And Writing Scientific Papers. Ability to evaluate writing scientific papers	Intellectual Analysing Understanding Problem solving	L2 L4 L5 L6	PO1 PO3 PO4 PO5
CO4	Ability to create research papers, awareness about chemical safety and ethical handling of chemicals	Applying Analysinig Understanding Problem solving	L1 L3 L4 L5 L6	PO2 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	IV	Quality in Analytical Chemistry Practical PSCHA4P1

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & handle various instruments.	Intellectual Understanding Problem solving	L2 L3 L4	PO1 PO3 PO5
CO2	Ability to apply basic knowledge in different instrument like pH meter, potentiometer, flame photometer etc.	Applying Analysinig Understanding Problem solving	L3 L4 L5	PO2 PO3 PO4
CO3	Ability to analyse different sample like Na <sup>+</sup> , H <sub>3</sub> PO <sub>4</sub> , Brass alloy, and pK <sub>a</sub> value.	Intellectual Analysing Understanding Problem solving	L3 L4 L5 L6	PO1 PO3 PO4
CO4	Ability to apply basic knowledge of various glassware instruments.	Understanding Problem solving	L3 L4 L5 L6	PO2 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	III	Advance Instrumental Techniques Practical PSCHA4P2

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & handle various instruments.	Intellectual Understanding Problem solving	L2 L3 L4	PO1 PO3 PO5
CO2	Ability to Analyse drug molecules, detergent, calcium tablet, and canned food.	Applying Analysinig Understanding Problem solving	L3 L4 L5	PO2 PO3 PO4
CO3	Ability to apply basic knowledge of various glassware instruments.	Intellectual Analysing Understanding Problem solving	L3 L4 L5 L6	PO1 PO3 PO4



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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	III	Selected Topics in Analytical Chemistry PSCHA4P3

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand & handle various instruments.	Intellectual Understanding Problem solving	L2 L3 L4	PO1 PO3 PO5
CO2	Ability to apply basic knowledge of various glassware instruments.	Analysing Understanding Problem solving	L2 L3 L4	PO2 PO3
CO3	Ability to analyse daily use materials like milk ( $\text{Ca}^{2+}$ , $\text{PO}_4^{2-}$ , Fe), lactose in milk, Sap Value of oil and aldehyde no. in oil, analysis of water sample.	Applying Evaluation Understanding Problem solving	L2 L3 L5 L6	PO1 PO3 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc.-II (Analytical Chemistry)	IV	Research Methodology PSCHA4P4

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define and understand the importance of research in chemistry.	Intellectual Understanding Evaluation Creating	L1 L2 L5 L6	PO1 PO3 PO4 PO5
CO2	Ability to apply all knowledge of practical into research experiments.	Analysing Understanding Problem solving	L2 L3 L4	PO2 PO3 PO5
CO3	Ability to analyse unknown sample from environments, surroundings, etc.	Applying Understanding Problem solving	L2 L3 L6	PO1 PO2 PO3
CO4	Ability to evaluate and construct a conclusion on research.	Intellectual Evaluation Understanding Problem solving	L2 L3 L4 L5 L6	PO1 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	III	Theoretical organic chemistry-I PSCHO301

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define and understand pericyclic reactions and their types with mechanism	Intellectual Solving Analysing Explaining	L1 L3 L4 L5	PO1 PO3 PO4
CO2	Ability to analyse stereochemistry of reactants, intermediates and products.	Analysis Understanding Solving Applying	L2 L4 L6	PO2 PO3 PO4
CO3	Ability to evaluate and study various types of photochemical reactions with mechanisms.	Decision making Analysing Explaining	L2 L4 L5	PO1 PO2 PO3 PO5
CO4	Ability to write mechanism of an organic reaction.	Writing Solving Analysing Explaining	L2 L4 L5 L6	PO2 PO3 PO4

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	III	Synthetic Organic Chemistry-I PSCHO302

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand various name reactions in organic synthesis. Ability to evaluate and predict the products of free radical reactions.	Intellectual Analysis Understanding Solving	L1 L3 L4 L5	PO1 PO3 PO4
CO2	Ability to apply and study organic free radical and their importance in organic synthesis.	Decision making Analysing Explaining Problem solving	L2 L4 L6	PO2 PO3 PO4
CO3	Ability to get the applications of enamines, ylides and $\alpha$ C-H functionalization in organic synthesis.	Writing Applying Analysing Explaining	L2 L4 L5	PO1 PO2 PO3 PO5
CO4	Ability to create and apply fundamentals of organometallic compounds in organic synthesis	Writing Applying Evaluation Creating	L2 L4 L5 L6	PO2 PO3 PO4

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	III	Natural products and Spectroscopy PSCHO303

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	To learn the basic concepts involved in natural products.	Intellectual Understanding Analysing Explaining	L1 L2 L3	PO1 PO3 PO4
CO2	Ability to apply and study the multi-step synthesis of various natural products.	Applying Analysing Problem solving	L4 L5 L6	PO2 PO3 PO5
CO3	Ability to analyse and understand advance instrumental techniques for compound interpretation and identification	Understanding Applying Analysing Evaluation	L2 L3 L4 L5	PO1 PO3 PO4
CO4	Ability to elucidate structure of organic compound by using spectral data.	Understanding Decision making Applying Evaluation Creating	L2 L4 L5 L6	PO2 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	III	Medicinal , Biogenesis and green chemistry PSCHOEC-I 304

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	To learn the basic terminology involved in medicinal organic chemistry.	Intellectual Applying Analysing Explaining	L1 L3 L4 L5	PO1 PO3 PO4
CO2	Ability to analyse and explain primary and secondary metabolites and their importance in biogenesis.	Understanding Applying Analysing Problem solving	L2 L3 L4 L6	PO1 PO2 PO3
CO3	Ability to evaluate and explain basic principles of green chemistry and its applications	Applying Evaluation Creating	L3 L4 L6	PO2 PO3 PO4 PO5
CO4	Ability to study quantitative structure activity relationship in drug discovery, designing.	Understanding Writing Decision making Applying	L2 L3 L4	PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	III	Theoretical organic chemistry-I & Synthetic Organic Chemistry-I Practical PSCHO3P1

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	To learn separation techniques and miscibility criteria of ternary mixture ( S-S-S, S-S-L, S-L-L and L-L-L) & water insoluble/ soluble including carbohydrates.	Intellectual Applying Understanding	L1 L2 L3	PO1 PO3
CO2	Ability to apply and perform separation of ternary mixtures and derivative preparations using micro-scale technique.	Understanding Analysing Evaluation Problem solving	L2 L3 L4	PO2 PO4
CO3	Ability to evaluate and learn the solubility and miscibility criteria for identification of unknown organic compounds.	Analysis Creating Decision making	L4 L5 L6	PO1 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	III	Natural products and Spectroscopy & Medicinal , Biogenesis and green chemistry Practical PSCHO3P2

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	To implement various organic reactions in synthetic organic chemistry and effect of reaction parameters including stoichiometry, and safety aspects including MSDS.	Intellectual Applying Understanding Analysing	L1 L2 L3 L4	PO1 PO2 PO4
CO2	To study the planning and purification techniques involved in organic synthesis like steam distillation, vacuum distillation and column chromatography.	Understanding Applying Analysing Evaluation Problem solving	L2 L3 L4 L6	PO2 PO3 PO4 PO5
CO3	Ability to purify organic compounds using different solvent, check the purity by TLC, determine physical constant and Calculate percentage yield.	Evaluation Analysis Creating Decision making	L4 L5 L6	PO1 PO4 PO5



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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	IV	Theoretical organic chemistry-II PSCHO401

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	To learn physical organic chemistry aspects (structural effects and reactivity) in organic chemistry. Ability to define, understand and explain Hammett equation, deviations and some parameters.	Intellectual Understanding Analysing Explaining	L1 L2 L3 L4	PO1 PO3 PO4
CO2	Ability to study supramolecular chemistry and its applications in organic synthesis	Applying Analysing Problem solving	L2 L4 L5 L6	PO2 PO4 PO5
CO3	Ability to determination of enantiomer and diastereomer composition, Molecular dissymmetry and chiroptical properties & configurational assignment.	Understanding Applying Analysing Evaluation	L2 L4 L5	PO2 PO5
CO4	Ability to study principles of asymmetric synthesis and chiral auxiliaries in asymmetric synthesis.	Understanding Decision making Applying Evaluation Creating	L1 L2 L3 L4 L5	PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	IV	Synthetic organic chemistry-II PSCHO402

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	To learn the synthetic planning and designing in various organic synthesis like Protecting groups in Organic Synthesis, Concept of umpolung and Retrosynthetic analysis and synthetic planning.	Intellectual Understanding Analysing Explaining	L1 L2 L3 L4	PO1 PO3 PO4
CO2	To understand General strategy, One group C-C Disconnections and Two group C-C Disconnections.	Understanding Applying Analysing Problem solving	L2 L4 L5 L6	PO2 PO4 PO5
CO3	To understand the methodology, basics, and applications of electro-organic chemistry. To learn Cathodic reduction & Anodic oxidation reaction, Crown ethers, Organcatalysts and Pd catalysed cycloaddition reactions	Understanding Applying Analysing Problem solving	L2 L3 L4 L5	PO2 PO3 PO5
CO4	Ability to use organometallics (transition and rare earth elements) in organic Synthesis. Ability to apply organometallics (transition and rare earth elements) in organic Synthesis.	Understanding Decision making Applying Evaluation Creating	L1 L2 L3 L4 L5	PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	IV	Natural products and heterocyclic chemistry PSCHO403

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	To learn the importance and synthesis of steroids, vitamins and terpenoids in natural products.	Understanding Analysing Explaining	L1 L2 L3 L4	PO1 PO3 PO4
CO2	Ability to apply and to study the heterocyclic chemistry (3-6 membered rings) and their applications in organic Synthesis.	Intellectual Applying Analysing Problem solving	L2 L4 L5 L6	PO2 PO4 PO5
CO3	Ability to structure, classification sources and biological importance vitamins and Antibiotics in natural products.	Understanding Applying Analysing Evaluation	L2 L4 L5	PO2 PO5
CO4	To learn the Heterocyclic compounds and synthesis like pyrazole, imidazole, oxazole, isoxazole benzimidazoles, benzoxazoles, benzothiazoles, Purines etc.	Understanding Decision making Applying Evaluation Creating	L1 L2 L3 L4 L5	PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	IV	Research methodology PSCHAOC-II 404

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to define, understand research methodology and basic knowledge of journals and digital sites like Scirus, Google Scholar, ChemIndustry, Wiki-databases, ChemSpider, Science Direct, SciFinder, Scopus.	Intellectual Applying Understanding Problem solving	L2 L4 L5 L6	PO2 PO4 PO5
CO2	To understand data analysis and different statistical methods. To learn ANOVA and apply them on sets of observations.	Applying Analysinig Understanding Problem solving	L2 L3 L4	PO1 PO3 PO4
CO3	To understand the basics of Methods of Scientific Research And Writing Scientific Papers. Ability to evaluate writing scientific papers	Intellectual Analysing Understanding Problem solving	L2 L4 L5 L6	PO1 PO3 PO4 PO5
CO4	Ability to create research papers, awareness about chemical safety and ethical handling of chemicals	Applying Analysinig Understanding Problem solving	L1 L3 L4 L5 L6	PO2 PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	IV	Theoretical organic chemistry-II & Synthetic organic chemistry-II Practical PSCHO4P1

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand and follow the two steps preparation and purify the product by recyclization, measure its mass or volume, check the purity by TLC, determine physical constant and calculate percentage yield.	Intellectual Applying Understanding Problem solving	L1 L2 L3 L4	PO1 PO2 PO3 PO4
CO2	Ability to evaluate or planning of synthesis, effect of reaction parameters including stoichiometry, and safety aspects including MSDS.	Evaluating Creating Analysinig Understanding	L2 L4 L5 L6	PO3 PO4 PO5

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**Course Outcomes:**

Department	Semester	Course Name
M.Sc. Part-II (Organic Chemistry)	IV	Research Methodology PSCHA4P4

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to analyse and predict spectral data of organic compounds like Interpretation of spectral data of organic compounds (UV, IR, PMR, CMR and Mass spectra)	Intellectual Applying Understanding Problem solving	L1 L2 L3 L6	PO1 PO2 PO4 PO5
CO2	Ability to define and understand the importance of research in chemistry. Ability to apply all knowledge of practical into research experiments.	Intellectual Applying Analysinig Understanding	L1 L2 L3 L4	PO1 PO3 PO4
CO3	Ability to analyse unknown sample from environments, surroundings, etc. Ability to evaluate and construct a conclusion on research.	Evaluating Creating Analysing Understanding Problem solving	L2 L4 L5 L6	PO2 PO3 PO5

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**PROGRAM SPECIFIC OUTCOMES**

**MSc.IT**

**PSO1:**

Ability to apply the knowledge of Information Technology with recent trends aligned with research and industry.

**PSO2:**

Ability to apply IT in the field of Computational Research, Soft Computing, Big Data Analytics, Data Science, Image Processing, Artificial Intelligence, Networking, and Cloud Computing.

**PSO3:**

Ability to provide socially acceptable technical solutions in the domains of Information Security, Machine Learning, the Internet of Things and Embedded Systems, and Infrastructure Services as specializations.

**PSO4:**

Ability to apply knowledge of Intellectual Property Rights, Cyber Laws Cyber Forensics, and various standards in the interest of National Security and Integrity along with the IT Industry.

**PSO5:**

Ability to write effective project reports, research publications, and content development and to work in a multidisciplinary environment in the context of changing technologies.

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
MSc Information Technology	I	RESEARCH IN COMPUTING (PSIT101)

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to Solve real-world problems with the scientific approach	Intellectual	L1	PO1/PSO2
CO2	Ability to Develop analytical skills by applying scientific methods.	Problem-solving	L3	PO2/PSO2
CO3	Ability to Recognize, understand and apply the language, theory, and models of the field of business analytics.	Analytical	L4	PO3/
CO4	Foster an ability to critically analyze, synthesize and solve complex unstructured business problems.	Leadership/ Management/ Communication	L2	PO2



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### Course Outcomes:

Department	Semester	Course Name
MSc Information Technology	I	RESEARCH IN COMPUTING (Practical) PSIT1P1

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to Understand and critically apply the concepts and methods of business analytics.	Intellectual	L1/L2	PO1/PSO1
CO2	Ability to Identify, model, and solve decision problems in different settings.	Problem-solving	L3	PO2/PSO2
CO3	Ability to Interpret results/solutions and identify appropriate courses of action for a given managerial situation whether a problem or an opportunity.	Analytical	L4	PO5/PSO2
CO4	Ability to create viable solutions to decision-making problems. Ability to write a report on research.	Decision Making/ Intellectual	L6	PO5/PSO1 / PSO5

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### Course Outcomes:

Department	Semester	Course Name
MSc Information Technology	I	Data Science (PSIT102)

CO No.	Course Outcomes	Skill	Bloom's Level	PO/
CO1	Ability to understand in depth knowledge of the key technologies in Data Science Technology Stack, Layered Framework, Layered Framework & Utility Layer.	Intellectual/ Decision making	L1/L2	PO1/PO3
CO2	Ability to demonstrate to use and implement Three Management Layers and Retrieve Super step.	Problem solving	L2	PO2/PSO2
CO3	Ability to Apply quantitative modelling and data analysis techniques to the solution of real-world business problems, communicate findings, and effectively present results using data visualization techniques.	Analytical Skills, Digital Skills	L6/L4	PO2/PSO4
CO4	Ability to Recognize and analyze ethical issues in business related to intellectual property, data security, integrity, and privacy.	Digital Skills	L6	PSO2/PSO4
CO5	Ability to develop ethical practices in everyday business activities and make well-reasoned ethical business and data management decisions.	Digital Skills	L6	PS04

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	I	Data Science Practical (PSIT1P2)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Develop, Test and Demonstrate statistical data analysis techniques utilized in business decision making.	Digital Skills	L6	PSO1
CO2	Apply principles of Data Science to the analysis of business problems. Use data mining software to solve real-world problems.	Decision Making	L2	PSO2/PSO3
CO3	Ability to Analyze cutting edge tools and Big Data technologies.	Digital Skills	L4	PSO4
CO4	Ability to Design algorithms to build machine intelligence. Demonstrate use of team work, leadership skills, decision making and organization theory	Digital Skills	L6	PSO4

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### Course Outcomes:

Department	Semester	Course Name
MSc Information Technology	I	Cloud Computing PSIT103

CO No.	Course Outcomes	Skill	Bloom's Level	PO/
CO1	Ability to understand in depth knowledge of the key technologies in Cloud Computing, Principles of Parallel and Distributed Computing, Virtualization	Intellectual/ Decision making	L1/L2	PO1/PO3
CO2	Ability to demonstrate to use and implement Three Management Layers and Retrieve Super step.	Problem solving	L2	PO2/PSO2
CO3	Ability to Apply quantitative modelling and data analysis techniques to the solution of real-world business problems, communicate findings, and effectively present results using data visualization techniques.	Analytical Skills, Digital Skills	L6/L4	PO2/PSO4
CO4	Ability to Recognize and analyze ethical issues in business related to intellectual property, data security, integrity, and privacy.	Digital Skills	L6	PSO2/PSO4
CO5	Ability to Ability to design and deploy Cloud Infrastructure	Digital Skills	L6	PS04

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### Course Outcomes:

Department	Semester	Course Name
MSc Information Technology	I	Cloud Computing Practical (PSIT1P3)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Develop, Test and Demonstrate Cloud computing setup with its vulnerabilities and applications using different architectures.	Digital Skills	L6	PSO4
CO2	Design different workflows according to requirements and apply map reduce programming model.	Decision Making	L2	PSO2/PSO3
CO3	Apply and design suitable Virtualization concept, Cloud Resource Management and design scheduling algorithms.	Digital Skills	L4	PSO4/PSO3
CO4	Ability to Create combinatorial auctions for cloud resources and design scheduling algorithms for computing cloud	Digital Skills	L6	PSO4

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### Course Outcomes:

Department	Semester	Course Name
MSc Information Technology	I	Soft Computing Techniques (PSIT104)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Understand and recall the concept of Soft Computing	Intellectual	L1/L3	PO1, PSO1
CO2	Explain and write Artificial Neural Network, Supervised Lear Network and Associative Memory Networks	Problem-solving, Analytical	L2	PO2, PSO2
CO3	Demonstrate Unsupervised Learning Networks, Special Networks and Third Generation Neural Networks	Analytical, Problem-solving,	L3	PO3, PSO3
CO4	Classify Fuzzy Logic, Classical Relations and Fuzzy Relations, Membership Function, Defuzzification: Lambda-cuts for fuzzy sets and Fuzzy Arithmetic and Fuzzy measures	Skill Development	L4	PO4, PSO5
CO5	Determine Concept of Virtual Machine and Cloud Computing, Designing Secure Web Applications.	Skill Development	L5, L6	PO4, PO5, PSO5

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	I	Soft Computing Techniques Practical (PSIT1P4)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Understand and Describe soft computing techniques and their applications	Intellectual	L1/L2	PO1, PSO1
CO2	Analyze various neural network architectures	Problem-solving	L3	PO2, PSO1
CO3	Understand and prepare perceptron's and counter-propagation networks.	Intellectual	L2	PO5, PSO4
CO4	Explain the fuzzy systems	Develop	L6	PO1, PSO3
CO5	Analyze the genetic algorithms and their applications.	Analytical Skill	L4	PO2, PSO1

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	II	Big Data Analytics (PSIT201)

CO No.	Course Outcomes	Skill	Bloom's Level	PO/
CO1	Ability to understand in depth knowledge of Big Data and its analytics in the real world, Analytical Theory and Methods	Intellectual/ Decision making	L1/L2	PO1/PO3
CO2	Ability to Analyze the Big Data framework like Hadoop and NOSQL to efficiently store and process Big Data to generate analytics	Analytical Skills, Digital Skills	L6/L4	PO2/PSO4
CO3	Ability to Design of Algorithms to solve Data Intensive Problems using Map Reduce Paradigm	Problem solving	L4	PO2/PSO2
CO4	Ability to Design and Implementation of Big Data Analytics using pig and spark to solve data intensive problems and to generate analytics	Digital Skills	L6	PSO2/PSO4
CO5	Ability to generate Distributed Analysis and Patterns	Digital Skills	L6	PSO4



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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	II	Big Data Analytics Practical (PSIT2P1)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Understand the key issues in big data management and its associated applications in intelligent business and scientific computing.	Digital Skills	L6	PSO1
CO2	Acquire fundamental enabling techniques and scalable algorithms like Hadoop, Map Reduce and NO SQL in big data analytics	Decision Making	L2	PSO2/PSO3
CO3	Interpret business models and scientific computing paradigms, and apply software tools for big data analytics.	Digital Skills	L4	PSO4
CO4	Ability to Design adequate perspectives of big data analytics in various applications like recommender systems, social media applications etc	Digital Skills	L6	PSO4

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### Course Outcomes:

Department	Semester	Course Name
MSc Information Technology	II	Modern Networking (PSIT202)

CO No.	Course Outcomes	Skill	Bloom's Level	PO/
CO1	Ability to understand the state-of-the-art in network protocols, architectures and applications	Intellectual/ Decision making	L1/L2	PO1/PO3
CO2	Ability to demonstrate to use and Modern Network Architecture.	Problem solving	L3	PO2/PSO2
CO3	Ability to Analyze existing network protocols, Software-Defined Networks and Network Functions Virtualization	Analytical Skills, Digital Skills	L6/L4	PO2/PSO4
CO4	Ability to Recognize and analyze to understand how networking research is done.	Digital Skills	L6	PO5/PSO2
CO5	Ability to develop novel ideas in the area of Networking via term-long research projects.	Digital Skills	L6	PS04

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	II	Modern Networking Practical (PSIT2P2)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Develop, Test and Demonstrate in-depth knowledge in the area of Computer Networking.	Digital Skills	L6	PSO1
CO2	To demonstrate scholarship of knowledge through performing in a group to identify, formulate and solve a problem related to Computer Networks	Problem solving	L3	PO2/PSO4
CO3	Prepare a technical document for the identified Networking System Conducting experiments to analyze the identified research work in building Computer Networks	Digital Skills	L4	PSO4

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### Course Outcomes:

Department	Semester	Course Name
MSC. Information Technology	II	Image Processing (PSIT204)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Understand the relevant aspects of digital image representation, 2-D convolution, the 2-D DFT, and their practical Implication.	Intellectual	L1/L2	PO1, PSO1
CO2	Understand and design point wise intensity transformations to meet Stated specifications.	Problem-solving	L2, L6	PO2, PO5, PSO2, PSO5
CO3	Build the command of basic image restoration techniques, Understanding the role of Alternative color spaces and the design requirements lead to choices of color space.	Analytical	L3	PO2, PSO2
CO4	Simplify the utility of wavelet decompositions and their role in image Processing systems.	Decision making	L4	PO5, PSO5
CO5	Understand and evaluate the underlying mechanisms of image compression, and the ability to design systems using standard algorithms to meet design specifications.	Research Aptitude	L2,L5	PO5, PSO5

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	II	Image Processing Practical (PSIT2P4)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Understand soft computing techniques and their role in problem-solving.	Intellectual	L1/L2	PO1, PSO1
CO2	Conceptualize and parameterize various problems to be solved through basic soft computing techniques.	Problem-solving	L3	PO2, PSO2, PSO5
CO3	Analyze and integrate various soft computing techniques in order to solve problems effectively and efficiently.	Intellectual	L2	PO5, PSO2, PSO 5

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### Course Outcomes:

Department	Semester	Course Name
MSc Information Technology	II	Microservice Architecture (PSIT203)

CO No.	Course Outcomes	Skill	Bloom's Level	PO/
CO1	Develop web applications using Model View Control. Create MVC Models and write code that implements business logic within Model methods, properties, and events.	Intellectual/ Decision making	L1/L2/L6	PO1/PO3
CO2	Ability to Create Views in an MVC application that displays and edits data and interacts with Models and Controllers. Boost your hiring ability through innovative and independent learning.	Analytical Skills, Digital Skills	L6/L4	PO2/PSO4
CO3	Ability to simplify a thorough understanding of the philosophy and architecture of .NET Core	Problem-solving	L4	PO2/PSO2
CO4	Ability to Understand packages, meta-packages, and frameworks Acquiring a working knowledge of the .NET programming model	Digital Skills	L2/L6	PSO2/PSO4
CO5	Ability to Implement multi-threading effectively in .NET applications	Digital Skills	L6	PS04

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### Course Outcomes:

Department	Semester	Course Name
MSc Information Technology	II	Microservice Architecture Practical (PSIT2P3)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Understand and Gain a thorough understanding of the philosophy and architecture of Web applications using ASP.NET Core MVC; Gain a practical understanding of .NET Core;	Digital Skills	L6	PSO1
CO2	Acquire a working knowledge of Web application development using ASP.NET Core MVC 6 and Visual Studio Persist data with XML Serialization and ADO.NET with SQL Server	Decision Making	L2	PSO2/PSO3
CO3	Create HTTP services using ASP.NET Core Web API;	Digital Skills	L4	PSO4
CO4	Deploy ASP.NET Core MVC applications to the Windows Azure cloud.	Digital Skills	L6	PSO4

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	III	Applied Artificial Intelligence (PSIT302a)

CO No.	Course Outcomes	Skill	Bloom's Level	PO/
CO1	Ability to understand in depth knowledge of the key technologies in applied branches of artificial intelligence	Intellectual/ Decision making	L1/L2	PO1/PO3
CO2	Ability to demonstrate Machine Learning Paradigms and Artificial Neural Networks	Problem solving	L3	PO2/PSO2
CO3	Ability to apply the fundamentals concepts of expert system and its applications.	Analytical Skills, Digital Skills	L3	PO2/PSO4
CO4	Ability to analyze the use of probability and concept of fuzzy sets for solving AI based problems	Analytical Skills	L4	PO2/PSO4
CO5	Ability to develop applications of Machine Learning and also apply fuzzy system for solving problems.	Digital Skills	L6	PSO4



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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
MSc Information Technology	III	Artificial Intelligence Practical (PSIT3P2a)

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Develop, Test and Demonstrate statistical data analysis techniques utilized in business decision making.	Digital Skills	L6	PSO1
CO2	Apply to apply the applications of genetic algorithms in different problems related to artificial intelligence.	Decision Making	L2	PSO2/PSO3
CO3	Ability to Analyze Evolutionary Computation	Analytical Skills, Digital Skills	L3	PO2/PSO4
CO4	Ability to Design techniques in natural language processing.	Digital Skills	L6	PSO4

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	III	Machine Learning (PSIT303a)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand the key issues in Machine Learning and its associated applications in intelligent business and scientific computing.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to acquire the knowledge about classification and regression techniques where a learner will be able to explore his skill to generate data base knowledge using the prescribed techniques.	Problem solving	L3	PO2/ PSO2
CO3	Ability to understand and implement the techniques for extracting the knowledge using machine learning methods.	Analytical	L4	PO2/ PSO3
CO4	Ability to achieve adequate perspectives of big data analytics in various applications like recommender systems, social media applications etc.	Decision making	L5	PO4/ PSO3
CO5	Ability to understand the statistical approach related to machine learning. He will also Apply the algorithms to a real-world problem, optimize the models learned and report on the expected accuracy that can be achieved by applying the models	Leadership/ Management/ Communication	L6	PO5/ PSO5

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
MSc Information Technology	III	Machine Learning Practical (PSIT3P3a)

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to understand a range of machine learning algorithms like decision trees, and ANN.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to use of machine learning algorithms to solve problems using rules, and analytical learning techniques	Problem solving	L3	PO2/ PSO3
CO3	Ability to apply Machine Learning algorithms, Bayesian and Instance based Learning techniques.	Analytical	L4	PO2/ PSO2
CO4	Ability to formulate machine learning problems corresponding to different applications.	Decision making	L5	PO4/ PSO3
CO5	Ability to illustrate the Combining Inductive and Analytical Learning and applications of Reinforcement Learning	Leadership/ Management/ Communication	L6	PO5/ PSO5

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## Course Outcomes:

Department	Semester	Course Name
MSc Information Technology	III	Robotics Process Automation (PSIT304a)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to Understand the mechanism of business process and can provide the solution in an optimize way	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to understand the features use for interacting with database plugins.	Problem solving	L3	PO2/ PSO3
CO3	Ability to use the plug-ins and other controls used for process automation.	Analytical	L4	PO2/ PSO2
CO4	Ability to use and handle the different events, debugging and managing the errors.	Decision making	L5	PO4/ PSO3
CO5	Ability to test and deploy the automated process.	Leadership/ Management/ Communication	L6	PO3/ PO5/ PSO5

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	III	Robotics Process Automation Practical (PSIT3P4a)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to find out how many of them start with the letter "a". Create an automation where the number of names starting with "a" is counted and the result is displayed.	Problem solving	L3/L6	PO2/ PO3/ PSO1
CO2	Ability to demonstrate the following events in UiPath:  <ul style="list-style-type: none"> <li>• Element triggering event</li> <li>• Image triggering event</li> <li>• System Triggering Event</li> </ul>	Problem solving	L3	PO2/ PSO2
CO3	Ability to implement the attach window activity.	Decision making	L5	PO4/ PSO3
CO4	Ability to create an automation UiPath project using different types of variables (Number, datetime, Boolean, generic, array, data table)	Leadership/ Management/ Communication	L6	PO3/ PO5/ PSO5

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	III	Technical Writing and Entrepreneurship Development (PSIT301)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand the essentials and hands-on learning about effective Website Development.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to analyse research and development projects	Analytical	L4	PO2/ PSO2
CO3	Ability to evaluate the essentials parameters of effective social media Pages	Decision making	L5	PO4/ PSO3/ PSO4
CO4	Ability to develop technical documents that meet the requirements with standard guidelines.	Leadership/ Management/ Communication	L6	PO3/ PO5/ PSO5

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	III	Project Documentation and Viva (PSIT3P1)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to explain the project	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to build the project	Problem solving	L3	PO2/ PSO3
CO5	Ability to develop a project beyond the undergraduate level	Leadership/ Management/ Communication	L6	PO3/ PSO2
CO5	Ability to implement a project.	Leadership/ Management/ Communication	L6	PO3/ PO5/ PSO4/ PSO5

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	IV	Blockchain (PSIT401)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand the structure of a blockchain and why/when it is better than a simple distributed database.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to understand what constitutes a “smart” contract, what are its legal implications and what it can and cannot do, now and in the near future	Problem solving	L3	PO2/ PSO2
CO3	Ability to analyse the incentive structure in a blockchain based system and critically assess its functions, benefits and vulnerabilities	Analytical	L4	PO2/ PSO2
CO4	Ability to evaluate the setting where a blockchain based structure may be applied, its potential and its limitations	Decision making	L5	PO4/ PSO3
CO5	Ability to Develop blockchain DApps.	Leadership/ Management/ Communication	L6	PO3/ PO5/ PSO4/ PSO5



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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	IV	Blockchain Practical (PSIT4P1)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to understand the types, benefits and limitation of blockchain.	Intellectual	L1/L2	PO1/ PSO1
CO3	Ability to analyse the blockchain decentralization and cryptography concepts	Analytical	L4	PO2/ PSO2
CO4	Ability to enumerate the Bitcoin features and its alternative options.	Decision making	L5	PO4/ PSO3
CO5	Ability to deploy the smart contracts	Leadership/ Management/ Communication	L6	PO3/ PO5/ PSO5

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**Course Outcomes:**

<b>Department</b>	<b>Semester</b>	<b>Course Name</b>
MSc Information Technology	IV	Natural Language Processing (PSIT402)

<b>CO No.</b>	<b>Course Outcomes</b>	<b>Skill</b>	<b>Bloom's Level</b>	<b>PO</b>
CO1	Ability to understand about know-hows, issues and challenge in Natural Language Processing and NLP applications and their relevance in the classical and modern context.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to understanding of Computational techniques and approaches for solving NLP problems and develop modules for NLP tasks and tools such as Morph Analyzer, POS tagger, Chunker, Parser, WSD tool etc.	Problem solving	L3	PO2/ PSO3
CO3	Ability to analyse to introduced to various grammar formalisms, which they can apply in different fields of study.	Analytical	L4	PO2/ PSO2
CO4	Ability to take up project work or work in R&D firms working in NLP and its allied areas.	Decision making	L5	PO3/ PSO3
CO5	Ability to able to understand applications in different sector	Leadership/ Management/ Communication	L6	PO3/ PO5/ PSO2/ PSO5

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	IV	Natural Language Processing Practical (PSIT4P2a)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to explain the interaction between Grammar, models and techniques used in NLP.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to analyse NLP problems to decompose them in adequate independent components, models, and its applications.	Analytical	L4	PO2/ PSO2
CO3	Ability to evaluate language technology component use of probabilistic context free grammars, parsers and classifiers.	Decision making	L5	PO4/ PSO3
CO4	Ability to compose key NLP elements to develop higher level processing chains and Assess Evaluate NLP based systems and apply Python programming concepts in NLP	Leadership/ Management/ Communication	L6	PO3/ PSO5

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	IV	Deep Learning (PSIT403a)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to describe basics of mathematical foundation that will help the learner to understand the concepts of Deep Learning.	Intellectual	L1/L2	PO1/ PSO1
CO2	Ability to understand and build model of deep learning	Problem solving	L3	PO2/ PSO3
CO3	Ability to design and implement various deep supervised learning architectures for text & image data, deep learning models and architectures.	Analytical	L4/L6	PO2/ PSO2
CO5	Ability to apply various deep learning techniques to design efficient algorithms for real-world applications.	Leadership/ Management/ Communication	L6/L3	PO5/ PSO4/ PSO5

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**Course Outcomes:**

Department	Semester	Course Name
MSc Information Technology	IV	Deep Learning Practical (PSIT4P3a)

CO No.	Course Outcomes	Skill	Bloom's Level	PO
CO1	Ability to explain the various deep learning applications concerned with computer vision	Intellectual	L1/L2	PO1/ PSO1
CO3	Ability to analyse the strategy for unsupervised learning	Analytical	L4	PO2/ PSO2
CO4	Ability to evaluate various reasoning methods using deep learning techniques	Decision making	L5	PO4/ PSO3
CO5	Ability to examine the significant features of neural networks.	Leadership/ Management/ Communication	L6	PO3/ PSO4/ PSO5