



Thakur Educational Trust's (Regd.)

**THAKUR RAMNARAYAN
COLLEGE OF ARTS & COMMERCE**

NAAC Accredited & ISO 21001:2018 Certified



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Criterion 2 - Teaching- Learning and Evaluation

Key Indicator - 2.6 Student Performance and Learning Outcomes

QIM 2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

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PROGRAM-1: B.com

Academic Classes Involved: SYBCOM A, FYBCOM A, FYBCOM B, TYBCOM-A, SYBCOM B, TYBCOM-B

OBE Courses Mapped: accounting and financial management-I, Foundation Course-III, COMMERCE-I, ENVIRONMENTAL STUDIES-I B.com, MATHEMATICAL AND STATISTICAL TECHNIQUES-I, ACCOUNTANCY AND FINANCIAL MANAGEMENT-III B.com, Financial Accounting and Auditing SYBCOM A, Commerce – III B.com, BUSINESS ECONOMICS-III B.com, ADVERTISING – I B.com, Foundation Course - III B.com, Business Law - I B.com, Business Economics II_UA_FFSIII.9, Business Economics-I B.com, BUSSINESS COMMUNICATION-I B.com, FOUNDATION COURSE-I B.com, Commerce - II UBCOMFSII.2, Business Communication - II UBCOMFSII.4, Environmental Studies - II UBCOMFSII.5, Foundation Course - II UBCOMFSII.6.1, Commerce - IV UBCOMFSIV.3, Business Economics - IV UBCOMFSIV.4, Business Law - II UBCOMFSIV.7, Accountancy and Financial Management - II UBCOMFSI, Mathematical and Statistical Techniques - II UBCOM, Accountancy and Financial Management - IV UBCOMFSI, Financial Accounting and Auditing - Auditing UBCOM, Foundation Course - IV (Contemporary Issues) UBCOM

PO SUMMARY

PO Name	PO Statement	PO Attainment Value	PO Corrective Measures
PO1	Disciplinary Knowledge: Develop the capability of executing comprehensive knowledge and understanding of one or more discipline that form part of commerce.	2.07	
PO2	Effective Communication Skills: Deliver and communicate information effectively and improve overall interaction with people.	2.1	
PO3	Critical Thinking: Engage in reflective and independent thinking by understanding the concepts in every area of Commerce and Business.	2.12	
PO4	Problem solving: Deduce a business problem and apply the class room learning into practice to offer a solution to problems originating in the diverse areas such as Finance, Marketing, Human Resource, and Taxation.	1.76	
PO5	Analytical Reasoning: Evaluate the reliability and relevance of evidence collected from Institution; identify logical flaws and holes in the arguments of others; analyse and synthesize data from business; draw valid conclusions and support them with evidence and examples, and addressing opposing viewpoints.	1.88	
PO6	Research Related Skills: Search for, locate, extract, organise, evaluate and use or present information that is relevant to various branches of Commerce.	1.86	
PO7	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.	1.51	
PO8	Cooperation/Teamwork: Elicit views of others, mediate disagreements and help reach conclusions in group settings.	1.76	
PO9	Information and Communication Technology (ICT)/digital literacy: Use various technical ICT tools for exploring, analysis and using the information for business purposes.	1.96	
PO10	Ethics: ascertain unethical behaviour, falsification, and manipulation of information. Recognise different value systems including our own, understand the moral dimensions of our decisions, and accept responsibility for them.	2.21	
PO11	Self-directed and Life-long Learning: Acquire the ability to engage in self-paced and self-directed learning aimed at personal development and for improving knowledge/skill development and reskilling in all areas of Commerce.	1.85	
PO12	Leadership Readiness/Qualities: Develop the ability to motivate and inspire team members to engage in institution's vision and using management skills to guide them to the right destination, in a smooth and efficient way.	1.64	
PSO1	Learn relevant accounting concepts in Auditing, Finance, Management Accounting and Cost Accounting. Apply both qualitative and quantitative knowledge to their future career in business.	1.41	

PSO2	Understand basic concepts of economics and apply them in the real world, analyse the functions of fiscal and monetary policy with respect to India and the rest of the world & Demonstrate progressive learning of various tax issues and tax reforms related to individuals.	2.58	
PSO3	Recognise Constitutional and Legal rights of an individual and Business entity and develop a critical understanding towards Environmental problems.	2.74	
PSO4	Relate the concepts of Marketing, Advertising & Human resource management to react aptly when confronted with critical decision-making scenarios.	2.35	

COURSE-1: accounting and financial management-I

Subjects Involved:: Accountancy and Financial Management - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	0	0	3	0	0	0	1	0	3	0	0	1	0	0	2.00
CO2	1	0	1	0	1	0	0	0	2	0	0	1	0	0	0	1.20
CO3	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	2.00
CO4	0	0	0	0	0	3	0	0	2	0	2	0	0	0	0	2.33
PO Avg	1.00	0	1.50	3.00	1.00	3.00	2.00	1.00	2.00	3.00	2.00	1.00	1.00	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Classify Accounting Standards and their applicability in practical life and Interpret Disclosure of Accounting Policies and Valuation of Stock	0.97	<ul style="list-style-type: none"> Accountancy and Financial Management - I <ul style="list-style-type: none"> dfdgfdgf
CO2	Summarize Final Accounts of Manufacturing Concern and Develop the knowledge of capital and revenue expenditure and receipts.	0.98	
CO3	Utilise the concept of Departmental Accounts in preparation of financial statements.	0.98	
CO4	Distinguish system of Hire purchase from Installment System.	0.97	

COURSE-2: Foundation Course-III
Subjects Involved:: Foundation Course- III

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	1	0	0	2	0	0	0	0	2	0	0	0	0	0	1.67
CO2	2	0	0	0	0	0	0	2	0	0	2	0	0	0	0	2.00
CO3	0	0	2	0	0	0	2	0	2	0	0	0	0	2	0	2.00
CO4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1.00
PO Avg	2.00	1.00	2.00	1.00	2.00	0	2.00	2.00	2.00	2.00	2.00	0	0	2.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe Human Rights Violations of vulnerable groups and their redressal mechanism.	2.5	
CO2	Interpret the concept of Environmental disasters, its effects, prevention, mitigation and human rights issues in addressing it	2.52	
CO3	Evaluate the development of science and technology over the ages, superstition and science in everyday life	2.52	
CO4	Develop soft skills for effective interpersonal communication	2.51	

COURSE-3: COMMERCE-I

Subjects Involved:: Commerce - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	2	0	2	0	2	0	0	0	2	0	2.00
CO2	0	1	0	1	0	0	1	0	2	0	1	0	2	0	0	1.33
CO3	1	0	0	0	2	0	1	1	0	3	0	0	0	0	2	1.67
CO4	0	0	2	0	0	2	0	0	1	0	0	1	0	0	0	1.50
PO Avg	1.50	1.00	2.00	1.00	2.00	2.00	1.00	1.50	1.50	2.50	1.00	1.00	2.00	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the concept of Business, it's objectives and the impact of Liberalization and Globalization	0.95	
CO2	Articulate Business Environment, its impact and working of WTO and different trading blocs.	0.95	
CO3	Compare Business plan, Promotion Activities and Licensing and registration procedure of business.	0.95	
CO4	Demonstrate Entrepreneurship and their competencies	0.95	

COURSE-4: ENVIRONMENTAL STUDIES-I B.com

Subjects Involved:: Environmental Studies - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	1	0	0	0	2	0	0	2	0	0	0	0	0	1.50
CO2	2	0	0	0	3	0	1	0	0	0	1	2	0	0	2	1.83
CO3	0	3	0	1	0	0	0	0	3	0	0	2	0	0	0	2.20
CO4	0	0	2	0	0	3	0	0	0	1	0	0	1	0	0	1.75
CO5	0	0	2	0	0	0	0	0	2	0	1	0	0	0	0	1.67
PO Avg	1.50	3.00	1.67	1.00	3.00	3.00	1.50	0	2.50	1.50	1.00	2.00	1.00	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe environment and ecosystem, characteristics, components and types	0.97	
CO2	Identify natural resources, sustainable development, and factors influencing resources utilisation	0.97	
CO3	Determine pattern of population growth in world and India and associated problems	0.97	
CO4	Relate urbanisation and problems of migration	0.97	
CO5	Interpret thematic maps, located bars, circles, pie charts, etc.	0.96	

COURSE-5: MATHEMATICAL AND STATISTICAL TECHNIQUES-I

Subjects Involved:: Mathematical and Statistical Techniques - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	3	0	0	1	0	0	2	0	1	0	0	0	0	0	1.75
CO2	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	1.50
CO3	1	0	3	0	0	0	1	0	2	0	0	0	0	3	0	2.00
CO4	0	0	0	2	0	2	0	3	0	0	2	0	0	0	0	2.25
CO5	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	1.50
PO Avg	1.00	3.00	3.00	2.00	1.00	2.00	1.00	2.50	2.00	1.00	2.00	0	0	3.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret investment in shares, mutual funds in terms of profit, rate of interest and its importance in investment management	0.96	
CO2	Solve Permutation and Combination and linear Programming Problem in relation to real life examples	0.96	
CO3	Correlate statistical data using measures of Central Tendency, measures of dispersion, Correlation and Linear Regression	0.95	
CO4	Use the basic probability rules, including additive and multiplicative laws, using the terms, independent and mutually exclusive events. Translate real-world problems into probability model	0.95	
CO5	Examine different types of decision theory and their practical applications.	0.95	

COURSE-6: ACCOUNTANCY AND FINANCIAL MANAGEMENT-III B.com

Subjects Involved:: Accountancy and Financial Management - III

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	0	0	3	0	0	0	0	0	0	1	0	0	0	0	2.33
CO2	0	0	2	0	2	0	0	0	3	0	0	0	0	0	0	2.33
CO3	0	1	0	0	0	2	0	0	0	2	0	0	0	0	0	1.67
CO4	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	1.50
PO Avg	3.00	1.00	2.00	3.00	2.00	2.00	1.00	0	3.00	2.00	1.00	2.00	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Solve problems on Simple final accounts & identify allocation of expenses prior to and after Admission of Partner in a Financial year.	0.72	
CO2	Relate distribution of cash to partners after treatment of secured ,Preferential liabilities with excess capital method on Dissolution of Firm.	0.72	
CO3	Apply accounting procedure in takeover of vendor firm by purchasing firm through Amalgamation, Merger & Treatment of goodwill	0.72	
CO4	Use accounting procedure in conversion of firm into a limited company & Treatment firm capital account into shares/debentures a/c of limited company	0.72	

COURSE-7: Financial Accounting and Auditing SYBCOM A**Subjects Involved::** Financial Accounting and Auditing - Introduction to Management Accounting**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	1	2	0	0	0	0	0	0	0	0	0	3	2.00
CO2	0	3	0	0	0	1	0	2	0	2	0	0	1	0	0	1.80
CO3	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	2.50
CO4	0	0	0	0	2	1	0	2	0	0	3	0	0	2	0	2.00
PO Avg	2.00	3.00	2.00	1.00	2.00	1.00	0	2.00	0	2.00	3.00	3.00	1.00	2.00	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Classify Financial Statements to evaluate the performance of the firm.	0.2	
CO2	Interpret various ratios based on Financial Statements.	0.1	
CO3	Complete the projection of Working Capital Requirement in case of Trading and Manufacturing Organization	0.2	
CO4	Correlate the various capital budgeting methods that an organisation can adopt	0.1	

COURSE-8: Commerce – III B.com

Subjects Involved:: Commerce - III

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	0	3	0	0	0	2	0	0	0	0	0	0	0	0	2.67
CO2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2.00
CO3	0	2	0	0	0	2	2	0	0	0	0	0	0	0	0	2.00
CO4	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2.00
PO Avg	3.00	2.00	3.00	2.00	2.00	2.00	2.00	0	0	0	0	0	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the Modern Management Approach & Business Plan	0.99	
CO2	Define the concept of Management by Exception & Decision Making scenarios	0.99	
CO3	Implement the concept of Organizing, Departmentation, Delegation of Authority	0.99	
CO4	Discuss the Concept of Motivation, Leadership & Controlling.	0.99	

COURSE-9: BUSINESS ECONOMICS-III B.com

Subjects Involved:: Business Economics - III

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1.50
CO2	0	2	0	1	0	0	1	0	0	0	1	0	0	0	0	1.25
CO3	3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2.50
CO4	0	2	0	0	2	0	0	0	0	2	0	1	0	0	0	1.75
PO Avg	2.50	2.00	0	1.00	2.00	0	1.00	0	1.00	2.00	1.00	1.00	0	2.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Relate the importance of macro economics in real world	0.75	
CO2	Identify the theories and tools of Keynesian Economics	0.75	
CO3	Interpret causes and consequences of post Keynesian developments	0.98	
CO4	Examine the relation of money, prices & inflation in economy	0.97	

COURSE-10: ADVERTISING – I B.com

Subjects Involved:: Advertising - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2.00
CO2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2.00
CO3	0	2	0	0	0	0	1	0	0	2	0	0	0	0	0	1.67
CO4	0	0	1	0	2	0	0	1	0	0	0	0	0	0	0	1.33
PO Avg	2.00	2.00	1.00	0	2.00	0	1.50	1.00	2.00	2.00	0	0	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Summarise the concept of Integrated Marketing Communications (IMC) and apply this knowledge to understand advertising planning	0.99	
CO2	Define the Advertising Agency, understand agency-client relationship and design creative pitch.	0.99	
CO3	Articulate an understanding of economic and social aspects of advertising and recognize the ethical issues involved.	0.99	
CO4	Implement brand building techniques and tools while understanding the intricacies of different advertising requirements.	0.98	

COURSE-11: Foundation Course - III B.com

Subjects Involved:: Foundation Course - III (Contemporary Issues)

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	1	0	1	0	0	2	0	0	1	0	0	0	1.20
CO2	0	2	0	0	0	0	1	0	0	2	0	0	0	0	0	1.67
CO3	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	1.00
CO4	0	0	0	0	2	0	0	2	0	0	1	0	0	0	0	1.67
PO Avg	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.50	2.00	1.00	1.00	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret violations of human rights on the basis of caste, tribe, gender and disabilities and their redressal mechanisms.	1.17	
CO2	describe the environmental disaster and its impact on people and the society. prevent, mitigate and deal with situations leading to disaster.	1.17	
CO3	Summarise the ancient cultures and practices and the development of science and discuss the use of science and technology in everyday life.	1.17	
CO4	Examine the importance of effective listening, types of communication and barriers to effective communication. acquainted with writing skills, necessary skills for interviews and presentations	1.17	

COURSE-12: Business Law - I B.com

Subjects Involved:: Business Law - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1.50
CO2	0	0	0	0	0	0	1	0	1	0	3	0	0	0	0	1.67
CO3	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	2.00
CO4	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1.00
CO5	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	2.00
CO6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO Avg	2.00	2.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	2.00	3.00	0	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the relevant provisions of law related to making of contracts.	0.99	
CO2	Compare and analyse the different types of contract and the modes of discharge of these contracts.	1	
CO3	Appraise the laws related to the Special Contracts	0.99	
CO4	Recognize the laws related to the Sale of goods act, 1930.	0.99	
CO5	Identify different types of negotiable instruments and compare the legal provisions related to them	0.99	
CO6	Explain the Criminal Penalties related to the dishonor of cheques and state Miscellaneous Provisions related to Negotiable Instruments	0.99	

COURSE-13: Business Economics II_UA_FFSIII.9

Subjects Involved:: Business Economics - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	0	0	2	0	0	3	0	0	2	2.25
CO2	0	0	0	0	0	2	0	2	0	0	0	2	0	0	0	2.00
CO3	0	0	3	0	0	0	3	0	0	0	3	0	3	0	0	3.00
CO4	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3.00
PO Avg	0	2.00	3.00	3.00	0	2.00	3.00	2.50	2.00	0	3.00	2.67	3.00	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define what macroeconomics is and Compute different measures of national income. Depict the circular movement of money between firms/producers, households, the government and international trade.	2.93	
CO2	Recognize and judge the causes of inflation and represent the measures of monetary policy control credit and inflation in the economy.	2.93	
CO3	Indicate the role of the government in solving various economic problems and prepare the structure of the budget.	2.92	
CO4	Compare the different theories of international trade and explain the basis of trade.	2.96	

COURSE-14: Business Economics-I B.com

Subjects Involved:: Business Economics - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	1	0	0	1	0	0	0	0	1	0	0	0	1.00
CO2	0	2	1	0	2	0	1	0	0	0	2	0	0	0	0	1.60
CO3	0	1	0	0	1	0	0	0	2	0	0	0	1	0	0	1.25
CO4	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	1.50
PO Avg	1.00	1.67	1.00	1.00	1.50	1.00	1.00	0	2.00	0	2.00	1.00	1.00	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the concept of Economics, functional relationship Average and Marginal Analysis in decision making	0.98	
CO2	Apply Basic concepts of Demand Function, Estimating and Forecasting	0.98	
CO3	Compare the different models of Supply and Production and explain the different statistical analysis	0.98	
CO4	Conceptualise Production and Extensions of cost analysis and understand Short Run - Long Run Hypothesis	0.97	

COURSE-15: BUSSINESS COMMUNICATION-I B.com

Subjects Involved:: Business Communication - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	1	0	0	0	2	0	0	1	0	0	0	0	1.25
CO2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2.00
CO3	0	1	0	0	1	0	2	0	0	2	0	1	0	0	0	1.40
PO Avg	1.00	1.00	0	1.00	1.00	2.00	2.00	2.00	0	2.00	1.00	1.00	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain Communication concepts, process, barriers to communication and classify business ethics	0.97	
CO2	Prepare letters, SOP's, LOR's, Job application letter and other correspondences	0.98	
CO3	Demonstrate language and writing skills through paragraph writing, soft skills, conflict management and time management	0.97	

COURSE-16: FOUNDATION COURSE-I B.com

Subjects Involved:: Foundation Course - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	0	0	2	0	0	2	0	0	1	0	0	0	0	0	1.67
CO2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2.00
CO3	0	0	2	0	0	1	0	0	0	0	1	2	0	0	0	1.50
CO4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1.00
CO5	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	2.00
PO Avg	2.00	2.00	2.00	2.00	2.00	1.00	2.00	1.00	2.00	1.00	1.00	2.00	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the multi-cultural diversity of Indian society through its demographic composition, linguistic diversity and regional variations.	1.15	
CO2	Discuss the concept of disparity due to Social Stratification, explore the violence against women and appreciate the inequalities faced by disable people	1.15	
CO3	Comprehend inequalities manifested due to the caste system and understand inter-group conflicts arising out of communalism, regionalism, linguism	1.15	
CO4	Describe the philosophy of the Indian Constitution, understand the structure of it and its fundamental duties to the Indian Citizen.	1.15	
CO5	Summarise party system in Indian Politics and judge the role and significance of women in politics	1.14	

COURSE-17: Commerce - II UBCOMFSII.2

Subjects Involved:: Commerce - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	0	0	3	0	0	0	3	0	0	2.67
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO Avg	0	2.00	0	0	0	0	0	0	3.00	0	0	0	3.00	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain and Analyse the various concept of Services, Marketing mix and Service strategies.		
CO2	Describe the need for Retailing & its scenario in India and globally.		
CO3	Describe the need for Retailing & its scenario in India and globally.		
CO4	Compare various concepts under E-Commerce and present status of E-Commerce in India.		

COURSE-18: Business Communication - II UBCOMFSII.4**Subjects Involved::** Business Communication - II**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	2	2	0	0	2	0	0	2	0	2	0	0	2.00
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO Avg	2.00	0	0	2.00	2.00	0	0	2.00	0	0	2.00	0	2.00	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Execute presentations with various strategies		
CO2	Examine the concept of group discussions		
CO3	Contrast between types of business correspondence		
CO4	Use appropriate language for writing skills at the workplace		

COURSE-19: Environmental Studies - II UBCOMFSII.5

Subjects Involved:: Environmental Studies - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	2	0	0	2	0	0	1	0	0	0	0	0	1.75
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO Avg	0	2.00	0	2.00	0	0	2.00	0	0	1.00	0	0	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Determine the sources and effects of solid waste on the environment.		
CO2	Highlight the environmental problems with agriculture and industries.		
CO3	Examine the nature and scope of Sustainable Tourism in India.		
CO4	Memorise and categorise the different environmental movements, Acts and technologies.		
CO5	Tag and Solve the places on maps of Konkan and Mumbai.		

COURSE-20: Foundation Course - II UBCOMFSII.6.1

Subjects Involved:: Foundation Course - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	2	0	0	2	0	0	0	2	0	0	2	0	0	2.00
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO Avg	2.00	0	2.00	0	0	2.00	0	0	0	2.00	0	0	2.00	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Infer LPG economic reform and its impact on information technology and communication, industry, employment, agrarian sector, corporate farming and increase in farmers' suicides.		
CO2	Recognise Human Rights, Universal Declaration of Human Rights, Fundamental Rights stated in Indian Constitution.		
CO3	Discuss Ecology and Environment, Environmental degradation- causes and impact on human life and relate Sustainable Development- concept		
CO4	Outline the causes of stress and conflict, significance of values, measures to control aggression and violence		
CO5	Use of coping mechanisms for managing individual stress and conflict, efforts towards building peace and harmony in society.		

COURSE-21: Commerce - IV UBCOMFSIV.3

Subjects Involved:: Commerce - IV

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	2	0	0	2	0	0	0	2	0	2	0	0	2.00
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO Avg	2.00	0	0	2.00	0	0	2.00	0	0	0	2.00	0	2.00	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain and Analyse the various concept of Production Management, its system & Inventory Management.		
CO2	Describe the need for Quality Management, Quality Circle & its Tools.		
CO3	Explain the various Trends in Indian Financial System, Indian financial market, SEBI & Credit Rating.		
CO4	Compare various concepts under Finance like, Mutual funds, commodity market, derivatives market & Micro Finance.		

COURSE-22: Business Economics - IV UBCOMFSIV.4

Subjects Involved:: Business Economics - IV

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	1	0	0	1	0	1	0	2	0	0	0	0	1.40
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO Avg	2.00	0	0	1.00	0	0	1.00	0	1.00	0	2.00	0	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain Meaning and Scope of Public finance, Major fiscal functions and Principle of Maximum Social Advantage		
CO2	Summarise Sources of Public, Tax and Non-tax revenues, Objectives of taxation and Canons of taxation		
CO3	Utilise Theories of Public Expenditure, Significance of Public Expenditure, Public Debt		
CO4	Interrelate Fiscal Policy with Budget- and Deficit concepts		

COURSE-23: Business Law - II UBCOMFSIV.7

Subjects Involved:: Business Law - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	2	0	0	1	0	0	3	0	1	0	0	1.80
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO Avg	2.00	0	0	0	2.00	0	0	1.00	0	0	3.00	0	1.00	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the relevant provisions of law related to making of contracts		
CO2	Recognize the laws related to the Sale of goods Act, 1930		
CO3	Identify different types of Negotiable Instruments and compare the legal provisions related to them.		
CO4	Infer the rights of Consumer according to Consumer Protection Act 1986.		
CO5	Analyse the laws related to the Companies Act 2013		
CO6	Interpret the Legal rights resulting from Intellectual activity in the Industrial, scientific, literary and artistic fields		

COURSE-24: Accountancy and Financial Management - II UBCOMFSI

Subjects Involved:: Accountancy and Financial Management - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	2	0	0	0	3	0	0	3	0	0	2	0	2.40
CO2	0	0	3	0	0	0	3	0	3	0	0	0	0	0	0	3.00
CO3	0	0	0	3	0	0	0	0	3	0	0	3	0	0	0	3.00
CO4	0	0	3	0	0	0	0	0	3	0	0	3	0	3	0	3.00
PO Avg	0	2.00	3.00	2.50	0	0	3.00	3.00	3.00	0	3.00	3.00	0	2.50	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Prepare the final Accounts of Proprietary Trading Concerns by using the conversion method		
CO2	Explain the Accounting of consignment transactions including the valuation of stock on consignment		
CO3	Explain the Accounting of consignment transactions including the valuation of stock on consignment		
CO4	Calculate Stock on the date of fire, Loss of Stock and Claim as per average clause		

COURSE-25: Mathematical and Statistical Techniques - II UBCOM

Subjects Involved:: Mathematical and Statistical Techniques - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	2	0	0	2	0	0	3	0	0	2	0	2.20
CO2	0	0	3	0	0	3	0	0	3	0	0	0	0	3	0	3.00
CO3	0	1	0	1	0	3	0	0	0	1	0	0	1	0	1	1.33
CO4	0	0	0	3	0	0	1	0	0	0	0	3	0	0	0	2.33
CO5	0	3	0	0	0	0	3	0	0	3	0	3	0	3	0	3.00
PO Avg	0	2.00	3.00	2.00	2.00	3.00	2.00	2.00	3.00	2.00	3.00	3.00	1.00	2.67	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Calculate derivatives in Demand, Supply, Revenue, Cost and Profit function, Equilibrium Point and Break-even point applicable in commercial Aspects		
CO2	Compute Simple Interest and Compound Interest, Annuity Immediate and its Present value, Future value, Equated Monthly Instalment's (EMI) using reducing balance method & amortization of loans		
CO3	Utilise the concepts of Bivariate Linear Correlation & Regression Analysis.		
CO4	Interpret different concepts of Time Series and Index Numbers.		
CO5	Estimate Elementary Probability Distributions such as Binomial, Poisson and Normal Distribution		

COURSE-26: Accountancy and Financial Management - IV UBCOMFSI

Subjects Involved:: Accountancy and Financial Management - IV

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	2	0	0	2	0	0	0	2	0	0	2	2.00
CO2	0	0	2	0	0	2	0	0	0	0	2	0	0	2	0	2.00
CO3	0	2	0	0	0	3	0	0	0	0	3	0	0	3	0	2.75
CO4	2	0	1	0	0	1	0	0	0	1	0	0	1	1	0	1.17
PO Avg	2.00	2.00	1.50	0	2.00	2.00	0	2.00	0	1.00	2.50	2.00	1.00	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Categorise between different types of companies, shares and debentures and items of balance sheet		
CO2	Determine journal entries for redemption of Preference Shares		
CO3	Apply journal entries for redemption of Debentures		
CO4	Estimate profit prior to incorporation for companies		

COURSE-27: Financial Accounting and Auditing - Auditing UBCOM**Subjects Involved::** Financial Accounting and Auditing - Auditing**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	2	0	3	0	0	3	0	0	3	0	0	2.60
CO2	0	3	0	0	3	0	0	0	3	0	0	3	0	0	3	3.00
CO3	0	0	3	0	0	3	0	3	0	3	0	0	3	0	0	3.00
CO4	0	0	0	2	0	0	0	0	3	0	0	0	3	0	0	2.75
PO Avg	0	2.50	3.00	2.00	2.50	3.00	3.00	3.00	3.00	3.00	0	3.00	3.00	0	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Summarise the Meaning, advantages, limitations, objectives, and types of audit		
CO2	Categorise Audit Planning, Audit Program and Audit Working Papers		
CO3	Articulate the concepts of Internal Check. Internal Audit, Internal Control along with test checking and sampling		
CO4	Express the distinction between the Auditing Techniques of Vouching & Verification		

COURSE-28: Foundation Course - IV (Contemporary Issues) UBCOM

Subjects Involved:: Foundation Course - IV (Contemporary Issues)

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	2	0	0	0	0	0	2	0	2	0	2	2.00
CO2	2	0	0	0	2	0	0	2	0	0	0	2	0	0	2	2.00
CO3	2	0	0	0	0	2	0	0	0	2	0	3	0	3	0	2.40
CO4	0	0	2	0	3	0	0	0	0	0	0	2	0	0	0	2.50
PO Avg	2.00	2.00	2.00	0	2.33	2.00	0	2.00	0	2.00	2.00	2.33	2.00	3.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify The Significance of contemporary rights of citizen and their duties		
CO2	Summarise the better Understanding approaches to ecology for sustainable growth of society.		
CO3	Define The science and technology and its application for the growth of our society.		
CO4	Examine Basic information on Competitive Examinations- the pattern, eligibility criteria and local centre for their further reference.		

PROGRAM-2: B.Com. (Accounting & Finance)

Academic Classes Involved: SYBAF A, FYBAF A, FYBAF B, TYBAF-A

OBE Courses Mapped: Financial Accounting-I, Cost Accounting-I, Financial Management-I, Foundation Course- I UA_FFSI.5.1, Business Communication- I UA_FFSI.4, Commerce (Business Environment) UA_FFSI.6, Business Economics- I UA_FFSI.7, Financial Accounting III UA_FFSIII.1, Cost Accounting II UA_FFSIII.2, Taxation II UA_FFSIII.4, Financial Market Operations, Business Law II UA_FFSIII.8, Business Economics II UA_FFSIII.9, Information Technology in Accountancy I UA_FFSIII., Financial Management-II, Cost Accounting- III, Financial Accounting- V, Financial Accounting- VI, Taxation- IV-TYBAF, Management-II TYBAF, Innovative Financial Services UA_FFSII.3, Business Communication - II UA_FFSII.4, Foundation Course - II UA_FFSII.5.1, Business Mathematics UA_FFSII.7, Taxation - III (Direct Taxes -II) UA_FFSIV.4, Business Law (Company Law)- III UA_FFSIV.8, Financial Accounting (Special Accounting Areas)- I UA_FFSIV.1, Management Accounting (Introduction to Management, Foundation Course in Management (Introduction to M, Research Methodology in Accounting and Finance UA_, Financial Accounting (Special Accounting Areas)- I, Auditing (Introduction and Planning) - I UA_FFSII., Business Law (Business Regulatory Framework)- I UA

PO SUMMARY

PO Name	PO Statement	PO Attainment Value	PO Corrective Measures
PO1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.	1.28	
PO2	Effective Communication: Speak, read, write and listen clearly in person make meaning of the world by connecting people, ideas, books, media and technology.	1.3	
PO3	Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.	1.52	
PO4	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.	1.39	
PO5	Ethics: Recognize different value systems including our own, understand the moral dimensions of our decisions, and accept responsibility for them.	1.28	
PO6	Self-directed and Life-long Learning: Acquire the ability to engage in independent and lifelong learning in the broadest context of socio- technological changes.	1.25	
PO7	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development	1.5	
PO8	Project management and finance: Develop analytical skills regarding how to manage different projects based on financial management, budgeting and forecasting etc.	1.2	
PO9	Conduct investigations of complex problems: Acquire the various skills for scrutiny of books of accounts along with financial statements (planning of present & future) and if any deviations can be investigated through the learning skills of auditing.	1.32	
PO10	Design and development of solutions: Develop research oriented skills to find out solutions for different problems identified through research in the field of accounting and finance.	1.4	
PO11	Leadership readiness/ Qualities: Cultivate the qualities of entrepreneurial and professional skills by showing their leadership quality by class participation in various activities and competitions to make them ready to face the world.	1.22	
PO12	Information / Digital literacy: Enhance their literacy skills on information technology through their curriculum with respect to MS Office, Tally and various digital tools etc	1.37	

PSO1	Identify different accounting policies to demonstrate the various methods of maintaining company accounts. Classify costs related to various production processes to ascertain the final cost of a manufacturing concern, Service industries and various other industries	1.35	
PSO2	Interpret taxation policies and related regulations to explain the laws and regulations that are necessary for appropriate functioning of a business entity.	1.1	
PSO3	Demonstrate basic written and verbal communication skills to express views on social, economic and political matters of the country.	1.29	
PSO4	Apply knowledge, skills and attitude to carry out research in the field of accounting, Taxation policies, economics and finance.	1.13	

COURSE-1: Financial Accounting-I**Subjects Involved::** Financial Accounting (Elements of Financial Accounting) - I**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	3	0	0	0	1	1	3	2	0	0	1	3	0	1	2.00
CO2	1	1	1	1	1	1	0	3	2	2	0	0	2	0	1	1.50
CO3	0	0	0	0	0	0	0	2	1	0	1	0	1	1	0	1.33
CO4	1	1	0	0	0	0	0	2	1	1	0	0	1	0	0	1.17
PO Avg	1.33	1.67	1.00	1.00	1.00	1.00	1.00	2.50	1.50	1.50	1.00	1.00	1.75	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Classify Accounting Standards and their applicability in practical life and Interpret Disclosure of Accounting Policies and Valuation of stock.	3.87	
CO2	Illustrate the knowledge of capital and revenue expenditure and receipts and Summarize Final Accounts of Manufacturing concern.	3.92	
CO3	Demonstrate the concept of Departmental Accounts.	3.89	
CO4	Interrelate the need and process of Accounting for Hire purchase	3.89	

COURSE-2: Cost Accounting-I**Subjects Involved::** Cost Accounting (Introduction and Element of Cost) - I**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	1	0	1	0	1	0	3	2	1	2	1	1	0	1	1.58
CO2	2	1	2	0	0	1	1	2	1	1	0	0	1	0	1	1.27
CO3	2	1	0	0	1	0	0	2	1	0	0	0	1	1	0	1.29
CO4	1	0	0	0	0	0	0	1	1	1	0	0	1	0	0	1.00
PO Avg	2.00	1.00	2.00	1.00	1.00	1.00	1.00	2.00	1.25	1.00	2.00	1.00	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify the various types of Cost & its classification along with costing standards.	5.29	
CO2	Relate the knowledge of Material and its relevant cost and to identify the various methods to reduce the Material cost.	5.19	
CO3	Recognize the various incentive plans to reduce and to control labor and its relevant cost.	5.19	
CO4	Classify the overheads on a reasonable basis and to categorize apportionment of overheads cost.	5.44	

COURSE-3: Financial Management-I**Subjects Involved::** Financial Management (Introduction to Financial Management) - I**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	2	1	1	1	2	0	1	1	0	0	0	1	1	0	1.36
CO2	1	0	0	0	0	0	0	1	0	1	0	1	0	0	1	1.00
CO3	2	0	0	0	0	0	0	2	2	2	1	0	1	0	0	1.71
CO4	2	1	0	0	0	1	0	2	2	0	0	0	2	0	0	1.71
PO Avg	1.75	1.50	1.00	1.00	1.00	1.50	0	1.50	1.67	1.50	1.00	1.00	1.33	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify the use and objective of Financial Management in an economy	3.15	
CO2	Summarize the significance of concepts for valuation of money.	3.23	
CO3	Execute of the financial position with the help of leverages and capital structure	3.17	
CO4	Annotate the numerous categories of finances and their origin.	3.21	

COURSE-4: Foundation Course- I_UA_FFSI.5.1

Subjects Involved:: Foundation Course - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	2	2	3	1	1	0	0	0	0	1	0	0	1	0	1.63
CO2	2	1	1	2	2	1	1	1	0	0	0	1	0	0	0	1.40
CO3	2	2	2	2	1	1	0	0	0	1	1	0	1	0	2	1.50
CO4	2	3	2	2	2	0	0	0	2	0	0	0	0	1	0	1.88
CO5	1	1	0	2	2	0	0	0	0	0	0	1	2	0	0	1.50
PO Avg	1.80	1.80	1.75	2.20	1.60	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.50	1.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the multi-cultural diversity of Indian society through its demographic composition, linguistic diversity and regional variations.	2.57	
CO2	Explain the concept of disparity due to Social Stratification, explore the violence against women and appreciate the qualities faced by disabled people.	2.58	
CO3	Comprehend inequalities manifested due to the caste system and understand inter-group conflicts arising out of communalism, regionalism, linguism.	2.58	
CO4	Describe the philosophy of the Indian Constitution; understand the structure of it and its fundamental duties to the Indian Citizen.	2.59	
CO5	Summarize the party system in Indian Politics and judging the role and significance of women in politics.	2.58	

COURSE-5: Business Communication- I_UA_FFSL4

Subjects Involved:: Business Communication - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	3	2	2	0	2	1	0	0	0	2	0	1	0	1	1.89
CO2	1	2	3	0	1	2	0	0	0	2	1	0	0	0	0	1.71
CO3	1	2	1	0	0	0	0	0	0	0	0	2	0	0	0	1.60
CO4	2	3	0	1	0	0	2	1	1	0	0	1	1	1	2	1.50
PO Avg	1.75	2.50	2.00	1.50	1.00	2.00	1.50	1.00	1.00	2.00	1.50	1.50	1.00	1.00	1.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Summarize the theory of communication and its strategies to communicate effectively.	8.04	
CO2	Identify Communication Barriers and distinguish between solutions to overcome them.	8.74	
CO3	Write effective business letters and demonstrate strategies for their own Statements of Purpose.	8.54	
CO4	Edit their writing, sketch paragraphs, and interpret technical data	8.14	

COURSE-6: Commerce (Business Environment)_UA_FFSL.6

Subjects Involved:: Commerce (Business Environment)- I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	1	0	2	0	2	3	0	0	0	1	0	0	0	1	1.57
CO2	1	2	0	2	2	0	0	1	0	0	0	1	0	0	0	1.57
CO3	2	0	1	1	0	0	2	0	1	1	0	0	0	0	0	1.43
CO4	2	1	0	0	0	2	0	0	1	0	1	0	1	2	0	1.63
PO Avg	1.67	1.33	1.00	1.67	2.00	2.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define the overview of the business environment and various tools used in analysis of the environment.	3.49	
CO2	Identify consumer laws in India, ethical issues related to business, registration under MSMED Act, 2006, and the provisions in regards to Consumer Protection Act,1986.	3.82	
CO3	Interpret CSR, Corporate governance, carbon credit and need of social audit in business.	3.55	
CO4	Recognize recent trends and correlate global strategies and implications of foreign trade in India.	3.62	

COURSE-7: Business Economics- I_UA_FFSI.7

Subjects Involved:: Business Economics I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	1	0	0	1	0	0	0	0	0	0	1	2	1.33
CO2	2	1	2	0	0	1	0	2	0	1	0	1	0	0	0	1.38
CO3	3	1	2	0	1	0	0	2	2	0	1	0	1	0	1	1.56
CO4	2	0	0	0	0	2	0	2	0	1	0	0	0	0	0	1.60
CO5	2	0	0	0	1	0	1	2	1	0	1	0	1	1	0	1.25
PO Avg	2.00	1.00	2.00	1.00	1.00	1.50	1.00	2.00	1.50	1.00	1.00	1.00	1.00	1.00	1.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Classify basic tools, functional relations of business economics	2.83	
CO2	Interpret the forecasting , functioning of demand by consumers perspective	2.8	
CO3	Examine supply, cost production decisions by producers perspective	2.9	
CO4	Identify reasoning and output decision under different forms of market	2.83	
CO5	Simplify pricing practices using different methods	2.77	

COURSE-8: Financial Accounting_III_UA_FFSIII.1**Subjects Involved::** Financial Accounting (Special Accounting Areas)-III**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	1	0	1	0	1	1	1	0	0	0	2	0	0	1.13
CO2	1	0	0	1	0	1	0	1	1	0	1	0	2	0	1	1.11
CO3	2	0	0	0	0	0	0	1	1	1	0	1	1	1	0	1.13
CO4	2	0	0	0	1	1	0	1	0	1	1	0	2	0	0	1.25
PO Avg	1.50	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.75	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Execute the concept of Partnership Final accounts based on Adjustment of Admission, Retirement and Death of a partner and its accounting procedure.	1.31	
CO2	Explain the procedure of Piecemeal distribution of cash by using Excess capital method and its Implementation	1.36	
CO3	Demonstrate the accounting procedure for recording Amalgamation of Firms	1.33	
CO4	Explain the accounting procedure of Conversion/ sale of Partnership firm into limited company	1.34	

COURSE-9: Cost Accounting II_UA_FFSIII.2**Subjects Involved::** Cost Accounting (Methods of Costing)- II**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	1	1	0	0	1	2	0	0	0	0	1	0	0	1.29
CO2	3	2	0	0	0	2	0	1	1	2	0	0	1	0	1	1.56
CO3	1	1	0	1	1	0	0	1	0	0	1	0	0	0	0	1.00
CO4	2	2	0	0	0	0	0	1	0	0	0	1	1	1	0	1.29
PO Avg	2.00	1.67	1.00	1.00	1.00	2.00	1.00	1.25	1.00	2.00	1.00	1.00	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the classification of costs and cost sheet.	2.59	
CO2	Explain the accounting process of preparing the cost sheet.	2.61	
CO3	Define Contract Accounts and its Accounting in the books of contractors.	2.59	
CO4	Describe the detailed process of preparing a Process account.	2.59	

COURSE-10: Taxation II_UA_FFSIII.4**Subjects Involved::** Taxation - II (Direct Taxes paper I)**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	0	0	1	0	0	1	0	0	0	0	0	3	0	1.67
CO2	2	1	1	1	0	0	1	2	0	0	1	0	0	3	1	1.50
CO3	3	1	0	1	0	0	0	2	0	0	0	1	0	3	0	1.86
CO4	2	2	0	1	1	1	0	2	2	1	0	0	1	3	1	1.67
PO Avg	2.25	1.25	1.00	1.00	1.00	1.00	1.00	1.75	2.00	1.00	1.00	1.00	1.00	3.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define u/s- 2 , Basis of Charge and Exclusions from Total Income	2.59	
CO2	Annotate and use different Heads of Income	2.58	
CO3	Execute the Deductions under Chapter VI- A	2.59	
CO4	Demonstrate the Computation of Total Income	2.59	

COURSE-11: Financial Market Operations**Subjects Involved::** Foundation Course in Commerce (Financial Market Operations)-III**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	2	0	0	1	0	1	1	0	0	0	0	0	1	0	1.29
CO2	2	1	0	1	0	1	0	2	0	0	1	1	0	0	0	1.25
CO3	2	0	0	0	0	2	0	2	1	1	0	0	2	1	0	1.50
CO4	2	0	1	0	1	1	1	1	0	0	0	0	0	0	1	1.25
PO Avg	2.00	1.50	1.00	1.00	1.00	1.33	1.00	1.50	1.00	1.00	1.00	1.00	2.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define the concepts of the Financial System.	2.58	
CO2	Present the Evolution of Financial Markets.	2.59	
CO3	Examine different Financial Instruments	2.6	
CO4	Interpret different Financial Services.	2.6	

COURSE-12: Business Law II_UA_FFSIII.8**Subjects Involved::** Business Law (Business Regulatory Framework)- II**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	2	0	1	0	0	0	0	0	0	0	0	0	2	0	1.60
CO2	2	2	0	0	0	0	0	1	1	0	0	0	0	2	0	1.50
CO3	2	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1.17
CO4	2	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1.20
CO5	2	2	2	3	2	0	0	0	0	0	1	1	0	1	0	1.67
CO6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1.00
PO Avg	1.83	1.60	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.50	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Classify the concept of Partnership and its Registration process.	2.58	
CO2	Interpret the process of Admission, retirement and dissolution of firm.	2.61	
CO3	Summarize the process of incorporation of LLP.	2.61	
CO4	Implement the process of conversion and winding up.	2.61	
CO5	Interpret the various provisions regarding health, safety & welfare of workers.	2.57	
CO6	Interrelate the various definitions under factories act.	2.6	

COURSE-13: Business Economics II_UA_FFSIII.9

Subjects Involved:: Business Economics - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	0	0	1	0	0	0	0	0	0	0	0	0	2	1.60
CO2	2	0	0	0	0	1	1	2	0	0	1	0	0	0	1	1.43
CO3	2	0	2	2	1	0	0	2	0	1	0	0	0	1	0	1.63
CO4	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1.00
PO Avg	1.75	1.00	2.00	2.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define what macroeconomics is and Compute different measures of national income. Depict the circular movement of money between firms/producers, households, the government and international trade.	2.93	
CO2	Recognize and judge the causes of inflation and represent the measures of monetary policy control credit and inflation in the economy.	2.93	
CO3	Indicate the role of the government in solving various economic problems and prepare the structure of the budget.	2.92	
CO4	Compare the different theories of international trade and explain the basis of trade.	2.96	

COURSE-14: Information Technology in Accountancy I_UA_FFSIII.

Subjects Involved:: Information Technology in Accountancy - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	1	0	0	0	0	0	2	0	0	0	1.50
CO2	0	0	0	0	0	2	0	1	0	1	0	2	0	0	1	1.40
CO3	2	1	2	0	0	2	0	2	0	0	1	3	0	0	0	1.86
CO4	0	1	1	2	2	2	0	0	1	0	0	2	0	0	0	1.50
CO5	1	1	2	0	0	2	2	2	0	1	0	3	1	1	0	1.60
PO Avg	1.67	1.00	1.67	2.00	2.00	1.80	2.00	1.67	1.00	1.00	1.00	2.40	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Summarize computer, computer parts, hardware components and software concepts alongwith its application and Explain network and its topologies.	2.76	
CO2	Implement Microsoft Office tools like MS Word, MS Excel, Power Point & Accounting tools	2.76	
CO3	Identify and operation of WebBrowsers, emails	2.76	
CO4	Define the internet for Electronic data exchange.	2.78	
CO5	Relate the utilization of E-commerce Analyzing the benefits of Electronic Payment Systems, Strategies for Marketing, Sales & Promotion Strategies	2.76	

COURSE-15: Financial Management-II

Subjects Involved:: Financial Management - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	0	0	0	2	0	0	0	0	1	0	0	2	0	0	1.80
CO3	3	0	0	0	0	0	0	1	3	2	0	0	2	0	0	2.17
CO4	3	0	0	0	0	1	1	0	3	2	0	0	1	0	1	1.75
CO5	3	0	0	0	0	0	0	2	1	1	0	0	1	1	0	1.57
PO Avg	3.00	0	0	0	2.00	1.00	1.00	1.50	2.33	1.50	0	0	1.50	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Relate different strategies in decision process concern with Financial Management aspects. Aspects of Profit & Wealth Maximization with decisive role of Financial Manager		
CO3	Conclude Decision techniques in correlation with use of Dividend, Net Operating Income Approach, Net Operating Income .Calculation of EPS , MPS		
CO4	Measure NAV ,Entry Load, YTM Bond Duration, Valuation of Bonds , Mutual Funds -Collective Investment, Classification		
CO5	Correlate Types of Cost associated for setting credit limits & plan system of principles to guide credit decisions Evaluation of Credit Policies,		

COURSE-16: Cost Accounting- III

Subjects Involved:: Cost Accounting - III

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	3	1	0	1	0	0	1	2	1	1	1	1	2	2	1.62
CO2	3	3	0	0	1	0	0	1	2	2	1	0	1	0	0	1.78
CO3	3	3	1	0	1	1	1	2	2	2	2	1	3	3	2	1.93
CO4	3	3	0	1	1	0	0	2	1	1	1	0	3	2	1	1.67
CO5	3	2	1	1	1	0	0	2	1	1	1	0	1	2	1	1.46
PO Avg	3.00	2.80	1.00	1.00	1.00	1.00	1.00	1.60	1.60	1.40	1.20	1.00	1.80	2.25	1.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe uniform costing and compare inter- firm analysis with the help of various ratios.		
CO2	Implement the system of integrated and non-integrated with regard to Cost Accounting Systems for manufacturing industries.		
CO3	Measuring the operating cost of service industries such as transport, hotel and hospitals		
CO4	Determine Total Cost of goods produced, Process Cost and Inter-process Profit with the help of process costing.		
CO5	Apportion the cost for various activities used by more than one product with the help of Activity Based Costing System.		

COURSE-17: Financial Accounting- V

Subjects Involved:: Financial Accounting - V

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	1	1	1	1	1	2	3	2	1	1	2	2	1	1.50
CO2	2	2	1	1	1	1	1	2	2	1	1	1	2	1	1	1.44
CO3	2	2	1	1	1	1	1	2	1	1	1	1	2	2	1	1.38
CO4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.06
CO5	2	2	1	1	1	1	1	2	1	1	1	0	0	1	1	1.29
PO Avg	2.00	1.60	1.00	1.00	1.00	1.00	1.00	1.80	1.60	1.20	1.00	1.00	1.75	1.40	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the accounting procedure of Underwriting of shares and Debentures according to provisions of companies act.		
CO2	Explain the accounting procedure of Buy back of shares and its legal provisions		
CO3	Interpret AS 14 for Amalgamation, Absorption and External reconstruction		
CO4	Differentiate Internal Reconstruction with external Reconstruction.		
CO5	Define and describe the accounting procedure of Liquidation of Companies		

COURSE-18: Financial Accounting- VI**Subjects Involved::** Financial Accounting - V, Financial Accounting - VI**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	3	1	1	1	1	0	1	3	1	1	2	2	1	1	1.67
CO2	3	2	1	1	1	0	1	1	2	1	0	0	1	1	1	1.38
CO3	3	2	1	1	1	0	1	2	2	1	1	0	2	1	1	1.50
CO4	3	1	1	0	1	0	0	1	2	2	1	1	2	2	1	1.54
CO5	3	1	1	1	0	1	1	1	2	1	2	1	3	3	0	1.71
PO Avg	3.00	1.80	1.00	1.00	1.00	1.00	1.00	1.20	2.20	1.20	1.25	1.33	2.00	1.60	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the procedure of Banking Companies.		
CO2	Interpret the concept of Fire Insurance and its applications.		
CO3	Classify the significance of Non-Banking Companies		
CO4	Apportion the valuation of goodwill of companies		
CO5	Interpret the accounting of Limited Liability Partnership and its applications.		

COURSE-19: Taxation- IV-TYBAF**Subjects Involved::** Taxation - IV (Indirect Taxes - II)**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	1	1	1	1	0	0	1	2	2	1	2	2	3	1	1.71
CO2	3	2	0	0	0	0	0	1	3	1	2	2	1	0	1	1.80
CO3	3	2	0	0	0	0	0	2	2	2	1	1	2	3	2	2.00
CO4	3	2	1	0	1	1	1	0	2	1	0	1	3	2	1	1.62
CO5	3	2	0	0	0	0	0	3	3	2	0	1	2	3	2	2.30
CO6	3	2	0	0	0	0	0	1	2	2	2	2	3	3	1	2.00
PO Avg	3.00	1.83	1.00	1.00	1.00	1.00	1.00	1.60	2.33	1.67	1.50	1.50	2.17	2.80	1.33	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain various concepts and provisions of Goods and Service Tax		
CO2	Compute composition tax liability and identify taxable and non-taxable goods and services to calculate GST		
CO3	Determine place of supply, time of supply and value of supply under GST		
CO4	Describe various documentations required under GST		
CO5	Examine the methods of input tax credit under GST and apply them to calculate net tax liability of GST		
CO6	Identify and apply conditions of Registration under GST for new suppliers of Goods and Services		

COURSE-20: Management-II_TYBAF

Subjects Involved:: Management - II (Management Applications)

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	2	0	0	1	0	0	1	0	0	1	0	0	0	0	1.50
CO2	2	1	1	1	0	2	3	1	0	0	2	0	0	0	0	1.63
CO3	3	2	1	2	1	1	1	0	0	0	2	0	0	0	1	1.50
CO4	3	3	1	2	2	0	1	3	1	0	2	0	1	1	0	1.82
CO5	3	0	1	1	2	0	0	2	1	2	1	0	0	0	0	1.63
PO Avg	2.80	2.00	1.00	1.50	1.50	1.50	1.67	1.75	1.00	2.00	1.60	0	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Test analytical skills in solving marketing related problems and challenges and be familiar with the strategic marketing management process.		
CO2	Examine the development, evaluation, and implementation of marketing management in a variety of business environments.		
CO3	Describe the development, implementation, and evaluation of employee recruitment, selection, and retention plans and processes.		
CO4	Define, administer and contribute to the design and evaluation of the performance management program.		
CO5	Implement skills to develop, implement, and evaluate employee orientation, training, and development programs.		

COURSE-21: Innovative Financial Services UA_FFSIL3

Subjects Involved:: Innovative Financial Services

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	3	0	0	2	0	0	3	0	0	0	0	0	2	0	2.50
CO2	0	0	2	0	0	0	2	0	0	0	0	0	0	0	3	2.33
CO3	0	0	0	0	3	0	0	0	0	3	0	0	0	2	0	2.67
CO4	0	0	0	0	0	2	0	0	3	0	0	0	2	0	2	2.25
PO Avg	0	3.00	2.00	0	2.50	2.00	2.00	3.00	3.00	3.00	0	0	2.00	2.00	2.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify concept and objective of financial services, types of financial services, financial service market constituents, Capital market ,Money market, Bank NBFC , Factoring , Forfaiting , Bill Discounting.	2.73	
CO2	Define issue management, merchant bankers, underwriters, stock broking, sub brokers, Derivatives Trading, Securitization Mechanism.	2.73	
CO3	Summarize Hire purchase, Lease, venture Capital.	2.73	
CO4	Classify Consumer finance, Plastic money and Credit Rating Agencies.	2.73	

COURSE-22: Business Communication - II UA_FFSII.4

Subjects Involved:: Business Communication - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	0	0	3	0	0	0	3	0	0	2.50
CO2	2	0	0	3	0	0	3	0	0	0	2	0	0	0	0	2.50
CO3	0	0	0	0	3	0	0	0	0	2	0	0	0	0	2	2.33
CO4	0	0	2	0	0	2	0	0	0	0	0	3	0	0	3	2.50
PO Avg	2.00	2.00	2.00	3.00	3.00	2.00	3.00	0	3.00	2.00	2.00	3.00	3.00	0	2.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Implement the strategies of presentations	0	
CO2	Compare types of interviews and the ways to face them	0	
CO3	Distinguish between letters for RTI inquiry, Claims, and Consumer Grievance letters	0	
CO4	Determine the types of reports and writing them	0	

COURSE-23: Foundation Course - II UA_FFSII.5.1

Subjects Involved:: Foundation Course - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	2	0	0	0	3	0	0	0	0	2.50
CO2	0	0	0	2	0	0	0	0	0	2	0	0	2	0	0	2.00
CO3	0	0	3	0	0	0	3	0	0	0	0	3	0	0	0	3.00
CO4	0	2	0	0	0	0	0	0	2	0	0	0	0	3	0	2.33
CO5	0	0	0	2	0	3	0	2	0	0	3	0	0	0	0	2.60
PO Avg	0	2.00	3.00	2.00	0	3.00	2.50	2.00	2.00	2.00	3.00	3.00	2.00	3.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Associated with impact of globalized industry with regard to changes in employment and increasing migration and explain the real scenario which has resulted in rise of corporate farming and increased farmer suicides		
CO2	Acquainted with the concept, origin and evolution of human rights and also the fundamental rights stated in the Constitution.		
CO3	Linked with environment, ecology and their interconnectedness. Relate environmental degradation, its impact and the need for sustainable development.		
CO4	Interpreted the various factors contributing to stress and conflicts in individuals and the society.		
CO5	Prepared with different methods of responding to conflicts and coping with stress in contemporary society.		

COURSE-24: Business Mathematics UA_FFSII.7

Subjects Involved:: Business Mathematics

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	3	0	0	0	0	3	0	0	0	0	0	2	2.50
CO2	0	3	0	0	0	2	0	0	0	0	0	2	0	0	0	2.33
CO3	0	0	2	0	0	2	0	0	0	0	2	0	0	0	0	2.00
CO4	0	0	0	0	3	0	0	3	0	0	0	0	3	2	0	2.75
PO Avg	2.00	3.00	2.00	3.00	3.00	2.00	0	3.00	3.00	0	2.00	2.00	3.00	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Solves the ratio, proportion and percentage in various		
CO2	Use functions of Profits & Loss in various financial transactions.		
CO3	Compute Simple and Compound Interest, Annuity, Equated Monthly Instalment's (EMI) using reducing balance method & amortization of loans		
CO4	Estimate Valuation of Securities on the basis of Profit or Loss.		

COURSE-25: Taxation - III (Direct Taxes -II) UA_FFSIV.4

Subjects Involved:: Taxation - III (Direct Taxes -II)

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	3	0	0	0	3	0	0	0	2	2.50
CO2	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	2.50
CO3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2.00
CO4	0	0	0	2	0	0	0	0	0	0	3	0	0	0	0	2.50
CO5	3	0	0	0	0	0	3	0	2	0	0	0	0	0	2	2.50
CO6	0	0	0	2	0	0	0	3	0	0	0	2	0	0	0	2.33
PO Avg	3.00	2.00	0	2.33	0	0	3.00	2.50	2.00	0	3.00	2.00	0	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the circumstances under which income may be clubbed under these sections.		
CO2	Explain the specific rules and conditions for carrying forward and setting off losses for various heads of incomes		
CO3	Prepare an income tax return for individuals and HUFs, ensuring accurate computation of tax liability.		
CO4	Calculate the taxable income of a partnership firm by applying the provisions of Section 40(b) and other relevant tax laws.		
CO5	Calculate the applicable penalty or interest, if any, in cases of delayed or non-filing of income tax returns.		
CO6	Calculate TDS amounts for various types of income and payments, ensuring compliance with relevant sections along with computation of advance tax liability and interest payable under Sections 234A, 234B, and 234C		

COURSE-26: Business Law (Company Law)- III UA_FFSIV.8

Subjects Involved:: Business Law (Company Law)- III

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	3	0	0	2	0	0	0	3	0	2	2.40
CO2	0	0	3	0	2	0	0	3	0	0	0	3	0	0	0	2.80
CO3	0	0	0	3	0	0	0	2	0	0	3	0	0	2	0	2.50
CO4	0	2	0	0	2	0	0	0	3	0	0	0	2	0	0	2.25
PO Avg	0	2.00	3.00	3.00	2.00	3.00	0	2.50	2.50	0	3.00	3.00	2.50	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Classify the concept in formation and incorporation of Companies Act 2013		
CO2	Illustrate the statutory requirement in relation to memorandum of association , article of association and prospectus		
CO3	Summarize the types of directors and their responsibility		
CO4	Analyze the basic knowledge of administration of Company Law		

COURSE-27: Financial Accounting (Special Accounting Areas)- I_UA_FFSIV.1**Subjects Involved::** Financial Accounting (Special Accounting Areas)- IV**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	2	0	2	0	0	2	0	0	0	2	0	0	2.00
CO2	2	0	0	0	3	0	3	0	3	0	0	0	3	0	3	2.83
CO3	0	0	2	0	3	0	0	3	0	3	0	2	0	2	0	2.50
CO4	2	0	0	2	0	2	2	0	0	0	0	0	0	3	0	2.20
PO Avg	2.00	2.00	2.00	2.00	3.00	2.00	2.50	3.00	2.50	3.00	0	2.00	2.50	2.50	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define the various provisions of the Companies Act related Final Account.		
CO2	Implement Company Law / Legal Provisions for redemption of preference shares in Companies Act		
CO3	Explain the procedure of Redemption of debentures by payment from sources including out of capital And / or out of profits..		
CO4	Practice Ascertainment and Treatment of Profit Prior to Incorporation		

COURSE-28: Management Accounting (Introduction to Management**Subjects Involved::** Management Accounting (Introduction to Management Accounting)**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	2	0	2	0	0	0	0	3	0	0	2.25
CO2	2	0	0	0	0	2	0	0	2	0	0	3	0	0	3	2.40
CO3	0	3	0	0	3	0	0	0	3	0	0	3	0	0	0	3.00
CO4	0	3	0	3	0	3	0	0	3	0	3	0	0	3	0	3.00
PO Avg	2.00	2.67	0	3.00	3.00	2.33	0	2.00	2.67	0	3.00	3.00	3.00	3.00	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain Analysis and Interpretation of Accounts, Vertical Forms of Balance Sheet and Profit and Loss Account suitable for analysis		
CO2	Illustrate Ratio Analysis and Interpretation based on vertical Financial statements		
CO3	Explain Preparation of Cash Flow Statement with reference to Accounting Standard No .3.		
CO4	Practice Working Capital-Concept Estimation /Projection of Working Capital Requirements in case of Trading and Manufacturing Organization.		

COURSE-29: Foundation Course in Management (Introduction to M
Subjects Involved:: Foundation Course in Management (Introduction to Management) - IV

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	3	0	0	2	0	3	0	3	0	0	3	2.67
CO2	0	0	0	2	0	0	0	2	0	2	0	2	0	0	1	1.80
CO3	0	2	0	0	2	0	0	1	0	0	2	0	3	0	0	2.00
CO4	0	2	0	0	2	0	0	1	0	0	0	1	0	0	1	1.40
CO5	1	0	2	0	2	0	3	0	3	0	2	0	3	0	0	2.29
PO Avg	1.00	2.00	2.00	2.00	2.25	0	3.00	1.50	3.00	2.50	2.00	2.00	3.00	0	1.67	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain Nature of principles of management Levels of management.		
CO2	Interrelate process of planning & decision making		
CO3	Explain Organisation on Formal/ Informal Centralisation /Decentralisation Departmentation Delegation		
CO4	Interrelate recruitment & selection procedure in Staffing		
CO5	Explain Directing & Controlling with leadership motivation coordination		

COURSE-30: Research Methodology in Accounting and Finance UA_**Subjects Involved::** Research Methodology in Accounting and Finance**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	0	3	0	0	3	0	3	0	3	0	0	3	0	3	3.00
CO2	0	2	0	0	3	0	0	2	0	0	3	0	3	0	0	2.60
CO3	0	2	2	0	2	0	2	0	0	2	0	2	0	0	0	2.00
CO4	0	2	0	2	0	2	0	0	2	0	2	0	2	0	2	2.00
PO Avg	0	2.00	2.50	2.00	2.50	2.50	2.00	2.50	2.00	2.50	2.50	2.00	2.67	0	2.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Recognise objectives and types of research		
CO2	Demonstrate research design and hypothesis		
CO3	Categorize data collection, data processing and data analysis		
CO4	Prepare Research Report with the help of various techniques of writing		

COURSE-31: Financial Accounting (Special Accounting Areas)- I**Subjects Involved::** Financial Accounting (Special Accounting Areas)- II**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	3	0	0	0	2	0	0	3	0	2.50
CO2	0	0	0	3	0	0	0	3	0	0	0	3	0	3	0	3.00
CO3	2	0	0	0	0	2	0	0	0	2	0	0	0	3	0	2.25
CO4	0	0	0	3	0	0	0	3	0	0	0	0	3	0	0	3.00
PO Avg	2.00	2.00	0	3.00	0	2.00	3.00	3.00	0	2.00	2.00	3.00	3.00	3.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Understand all Accounting Transactions related to incomplete Records.	0.94	
CO2	Demonstrate the Procedure of recording transactions of Consignment Accounts.	0.93	
CO3	Indicate the Process of Recording Branch Accounts.	0.91	
CO4	Illustrate the Concept of Fire Insurance Claim. Explain the procedure involved in Computation of Loss & Ascertainment of Claims.	0.92	

COURSE-32: Auditing (Introduction and Planning) - I UA_FFSII.

Subjects Involved:: Auditing (Introduction and Planning) - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	3	0	0	0	0	0	0	3	0	0	0	2.67
CO2	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	2.00
CO3	0	0	3	0	0	0	3	0	0	2	0	0	3	0	2	2.60
CO4	3	0	2	0	2	0	3	0	3	0	2	0	0	3	0	2.50
PO Avg	3.00	2.00	2.50	0	2.50	0	3.00	0	3.00	2.00	2.00	3.00	3.00	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain auditing , users of financial information, detection of errors and frauds , types and principles of audit	1.99	
CO2	Express the plan of audit , documentation and procedures.	2	
CO3	Interpret auditing techniques, internal control and internal checks.	1.99	
CO4	Distinguish between internal and external audit , internal check and internal audit.	1.99	

COURSE-33: Business Law (Business Regulatory Framework)- I UA**Subjects Involved::** Business Law (Business Regulatory Framework)- I**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	2	0	0	2	0	0	3	0	1	0	2.00
CO2	0	0	2	0	3	0	0	3	0	2	0	0	2	0	0	2.33
CO3	0	0	3	0	0	3	0	3	0	2	0	0	2	0	0	2.60
CO4	0	3	0	0	3	0	0	3	0	2	0	0	2	0	0	2.60
PO Avg	0	2.50	2.50	0	3.00	2.50	0	3.00	2.00	2.00	0	3.00	2.00	1.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define the relevant provisions of law related to making of contracts and its implications.		
CO2	Summarize the laws related to the Sale of goods act ,1930		
CO3	Identify & Practice different types of negotiable instruments. Compare the legal provisions related to negotiable instruments.		
CO4	Infer the rights of consumers according to the Consumer Protection Act 1986.		

PROGRAM-3: BA

Academic Classes Involved: SYBA A, FYBA, TYBA-PSY, TYBA-HIS, TYBA-ECO

OBE Courses Mapped: Communication Skills in English -Paper I, Psychology, Economics Paper I- Microeconomics-I, History, Foundation Course, Foundation Course-III, Stress Management, Developmental Psychology, Social Psychology, Landmarks, Ancient India, Macroeconomics-I, Public finance, HINDI, Foundation Course: II UAFC201, Communication Skills in English - Paper II UACS201, Economics Paper II- Microeconomics- II UAECO201, Foundation Course- IV UAFC401, Psychology Paper II- Social Psychology-Part II UAP, Economics Paper V - Macroeconomics-II UAECO401, Economics Paper VI- Indian Economy UAECO402, Psychology Paper I- Fundamentals of Psychology-Par, History Paper I-History and Modern India: Society, Psychology Paper III- Developmental Psychology-Par, History Paper II:Landmarks in World History 1300 A, History Paper III: Ancient India from Earliest Tim

PO SUMMARY

PO Name	PO Statement	PO Attainment Value	PO Corrective Measures
PO1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different economic perspectives.	1.53	
PO2	Effective Communication: Ascertain, evaluate, speak, read, write and listen clearly in person to make meaning of the world by connecting people, policies, strategies, technology & infrastructure.	2.57	
PO3	Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings in the course of differences.	2.01	
PO4	Effective Citizenship: Demonstrate empathetic social concern and equity centered economic development, and the ability to act with an informed awareness of issues and participate in civic life through evaluating problems faced by them.	1.51	
PO5	Ethics: Recognize different value systems including our own, explain the moral dimensions of our decisions, and accept responsibility for them.	1.76	
PO6	Environment and Sustainability: Explain the issues of environmental contexts and sustainable development through economic aspects as well.	2.5	
PO7	Self-directed and Life-long Learning: Acquire the ability to engage in independent and life- long learning in the broadest context of socio-economic & technological changes.	1.64	
PO8	Research Related Skill: Inculcate the analytical skills and research skills among the students.	1.76	
PO9	Discipline knowledge: Build fundamentals in core areas of Finance, Business Research & Quantitative Techniques, Economics, Statistics, and get exposure to the relevant software.	1.85	
PO10	Problem solving: Ability to logically question assertions and analyze the patterns in order to distinguish between essential and irrelevant aspects of problems.	1.17	
PO11	Team Building: Ability to work with a group of people in an organization and lead them in order to become a leader/entrepreneur.	2.2	
PO12	Technical Aspects: Learn the best practices of handling technical aspects of demand prospects, stock market and financial market.	2.06	
PSO1	Develop the elementary concepts and its basic tools in economics to help students to apply it in the real world.	1.42	
PSO2	Explain regional, national and world history in a comprehensive manner and judge the sources and schools of history writing.	2.32	

PSO3	Students will be able to exhibit sensitivity to society and use the abilities they have learned to become mental health professionals.	1.52	
PSO4	Students can put practical skills to work in counseling, educational institutions, the corporate sector, and daily life.	2.05	

COURSE-1: Communication Skills in English -Paper I

Subjects Involved:: Communication Skills in English -Paper I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1.00
CO2	2	3	1	0	0	0	0	0	1	0	0	0	0	2	2	1.83
CO3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1.00
CO4	2	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1.67
PO Avg	1.50	2.00	1.00	1.00	0	0	1.00	0	1.00	0	0	0	1.00	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Differentiate between American, British and Indian English, also Classify modes of interviews and principles of creative writing	2.73	
CO2	Demonstrate reading skills	2.76	
CO3	Enhance presentation skills, group discussion skills, and interview skills	2.74	
CO4	Formulate Letters, SOPs, Resumes, NEWS reports, and essays	2.75	

COURSE-2: Psychology

Subjects Involved:: Psychology Paper I- Fundamentals of Psychology-Part I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2.50
CO2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2.00
CO3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2.00
CO4	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	2.00
PO Avg	2.00	0	0	2.00	2.00	0	0	0	0	0	0	0	0	2.50	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the basic concept for a robust foundation in psychological concepts.	2.4	
CO2	Apply basic concepts of psychology in daily understanding and activities.	2.35	
CO3	Acquire critical thinking and develop research insight.	2.2	
CO4	Comprehend and instill important life skills such as resilience, hardiness, acceptance, etc.	2.25	

COURSE-3: Economics Paper I- Microeconomics-I

Subjects Involved:: Economics Paper I- Microeconomics-I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	0	1	0	0	0	0	0	3	0	0	1.67
CO2	2	0	0	0	0	1	0	1	0	0	0	0	3	0	0	1.75
CO3	1	0	1	0	0	1	0	0	0	0	0	0	2	0	0	1.25
CO4	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1.33
PO Avg	1.50	0	1.00	0	0	1.00	1.00	1.00	0	0	0	0	2.25	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe definition and aspects of economics.	6.92	
CO2	Describe how decisions are made/should be made by explaining principles of economics	7.32	
CO3	Compare the determinants of demand and supply and evaluate different elasticities of demand and supply	7.42	
CO4	Analyze the behavior of consumers in terms of the demand for products	6.92	

COURSE-4: History**Subjects Involved::** History Paper I- History of Modern India (1857-1947)**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2.00
CO3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00
CO4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1.50
PO Avg	2.00	2.00	0	0	0	0	0	0	0	0	1.00	0	0	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Summarize the course of modern Indian History	2	
CO2	Characterize the methods and ideology of different schools of nationalist thought	2.02	
CO3	Explain the roots organised political agitation in India	2.06	
CO4	Identify the achievements of the various mass movements in Indian history	1.96	

COURSE-5: Foundation Course

Subjects Involved:: Foundation Course I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00
CO2	2	0	0	0	0	0	2	0	2	0	0	0	0	0	0	2.00
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3.00
CO4	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	1.50
CO5	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2.00
PO Avg	2.00	2.00	0	1.00	0	0	2.00	0	2.00	0	0	2.00	0	2.33	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Discuss the multi-cultural diversity of Indian society through its demographic composition, linguistic diversity and regional variations	8.01	
CO2	Explain the concept of disparity due to Social Stratification, explore the violence against women and appreciate the inequalities faced by disable people.	8.02	
CO3	Comprehend inequalities manifested due to the caste system and understand inter-group conflicts arising out of communalism, regionalism, linguism	8.05	
CO4	Describe the philosophy of the Indian Constitution, understand the structure of it and its fundamental duties to the Indian Citizen	8.02	
CO5	Summarize the party system in Indian Politics and judging the role and significance of women in politics.	8.03	

COURSE-6: Foundation Course-III
Subjects Involved:: Foundation Course- III

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	1	2	2	0	1	1	0	0	0	0	0	0	0	1.29
CO2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3.00
CO3	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	2.00
CO4	1	3	0	0	2	0	0	0	0	0	0	0	0	0	0	2.00
PO Avg	1.00	3.00	1.00	2.00	2.00	3.00	1.50	1.00	2.00	0	0	0	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe Human Rights Violations of vulnerable groups and their redressal mechanism.	2.5	
CO2	Interpret the concept of Environmental disasters, its effects, prevention, mitigation and human rights issues in addressing it	2.52	
CO3	Evaluate the development of science and technology over the ages, superstition and science in everyday life	2.52	
CO4	Develop soft skills for effective interpersonal communication	2.51	

COURSE-7: Stress Management

Subjects Involved:: Stress Management - Part I (Applied Component)

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	0	0	0	2	0	3	0	0	3	0	0	0	0	0	2.67
CO2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2.00
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2.00
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2.00
PO Avg	2.00	0	0	0	2.00	0	3.00	0	0	3.00	0	0	0	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Illustrate different types and factors of stress		
CO2	Illustrate knowledge and understanding of the basic concepts and modern trends in Stress Management		
CO3	Identify practical usage of the concepts and apply various concepts in daily life		
CO4	Identify stress inducing stimulus and apply relaxation techniques		

COURSE-8: Developmental Psychology

Subjects Involved:: Psychology Paper III- Developmental Psychology-Part I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	2	1.20
CO2	0	0	2	0	2	0	2	0	0	0	0	0	0	0	0	2.00
CO3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1.50
CO4	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1.00
PO Avg	1.00	0	2.00	1.00	2.00	0	1.50	0	1.00	0	0	1.00	0	0	1.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the basic concepts and modern trends in Developmental Psychology		
CO2	Apply the various concepts, principles and theories of Developmental Psychology in daily life in the Indian context.		
CO3	Summarize the topical areas of development in adolescence, early, middle adulthood		
CO4	Evaluate the theoretical perspectives to understand the development during adolescence, early, middle and late adulthood		

COURSE-9: Social Psychology

Subjects Involved:: Psychology Paper II- Social Psychology-Part I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2.00
CO2	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	1.50
CO3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1.50
CO4	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1.33
PO Avg	2.00	0	2.00	0	0	1.33	0	1.00	0	1.00	0	0	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Illustrate the knowledge of the basic concepts and modern trends in Social Psychology.		
CO2	Apply various concepts of Social Psychology in the Indian context		
CO3	Elaborate the varied phenomenon and principles of social behaviour and social cognition influencing the individual thought process and behaviour patterns		
CO4	Analyze the possible implications of prosocial behaviour, group dynamics, stereotypes, aggression and other such aspects of social behaviour at the workplace or other levels of social functioning		

COURSE-10: Landmarks**Subjects Involved::** History Paper II:Landmarks in World History 1300 A.D.-1945 A.D.**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	1.50
CO2	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	1.33
CO3	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	1.50
CO4	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	2.00
PO Avg	0	0	0	2.00	0	1.00	0	1.00	1.00	0	0	0	0	2.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the transition of Europe from the late medieval age to the modern age		
CO2	Explain the movements for equality, freedom and liberty in Europe that served as an inspiration to later freedom struggles across the world		
CO3	Analyze the reasons for the rise of Europe as a political and industrial power		
CO4	Investigate the process of colonization of major parts of the world by various European powers		

COURSE-11: Ancient India**Subjects Involved::** History Paper III: Ancient India from Earliest Times to 1000 A.D.**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	0	0	0	0	0	2	0	0	2	0	2.00
CO2	0	1	0	0	0	0	0	0	0	0	1	0	0	2	0	1.33
CO3	1	0	0	0	0	0	0	0	0	0	1	0	0	3	0	1.67
CO4	0	0	0	1	0	0	0	0	0	2	0	0	0	1	0	1.33
PO Avg	1.50	1.00	0	1.00	0	0	0	0	0	2.00	1.33	0	0	2.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret and explain the sources of ancient India and its importance		
CO2	Examine the social, economic and religious life of Indus Valley civilization		
CO3	Summarize the creation of Janapadas and Analyze socio-economic life.		
CO4	Break- down the rise of Mahajanapadas, Jainism and Buddhism, Assess the Persian and Greek invasion on India in the 6th century		

COURSE-12: Macroeconomics-I

Subjects Involved:: Economics Paper III-Macroeconomics -I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	2	0	0	0	2	0	0	0	0	0	2	0	0	1.75
CO2	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	1.50
CO3	0	0	0	0	0	0	2	0	0	1	0	0	3	0	0	2.00
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2.00
PO Avg	1.00	0	2.00	0	0	0	2.00	1.00	0	1.00	0	0	2.33	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Compute different measures of national income and Depict the circular movement of money between firms/producers, households, the government and international trade	0.9	
CO2	Explain and graph the consumption function, saving function and investment function and their relationship with theory of multiplier	0.92	
CO3	Describe the aspects of money supply and Analyze different approaches to demand for money	0.9	
CO4	Explain the structure, functions and responsibilities of the Reserve Bank of India and Commercial banks	0.88	

COURSE-13: Public finance

Subjects Involved:: Economics Paper IV- Public Finance

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	2	0	0	2	0	0	0	0	2	0	2.00
CO2	0	0	0	1	0	0	0	0	0	2	0	0	0	3	0	2.00
CO3	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1.50
CO4	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	1.50
PO Avg	2.00	0	0	1.00	0	1.50	2.00	0	2.00	2.00	0	0	0	2.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Develop basic scope, externalities, efficiency and principles of sound and functional public finance		
CO2	Interpret the role of maximum social advantage, budget, taxation its burden and shifting in real market		
CO3	Analyze instrument of fiscal policy and its connection with public expenditure, debt, management of debt		
CO4	Examine the budget of previous financial year, its related components, Appraisal of FRBM Act 2004 of Indian Public Finance		

COURSE-14: HINDI

Subjects Involved:: Hindi Compulsory

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	2	1	0	0	0	0	0	0	1	0	0	0	0	0	1.25
CO2	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1.50
CO3	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	1.50
CO4	0	0	0	2	1	0	0	0	1	0	1	2	0	0	0	1.40
CO5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1.00
CO6	1	0	2	0	0	0	0	0	0	0	0	2	0	0	0	1.67
PO Avg	1.00	2.00	1.50	2.00	1.00	0	1.00	0	1.00	1.00	1.00	2.00	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	हिन्दी साहित्य के आधुनिककालीन कहानियों और कविताओं द्वारा भारतीय समाज का वर्णन कर पाएगा ।	0.91	
CO2	आजादी पूर्व एवं वर्तमानसमय के संपूर्ण परिवेश में दिखाई देने वाले अंतर को समझने के साथ- साथ अभिव्यक्त कर पाएगा ।	0.93	
CO3	हिन्दी साहित्य द्वारा भाषा में सुधार, वाकपटुता और आत्मविश्वास बढ़ पाएगा ।	0.93	
CO4	साहित्य के प्रति रुचि एवं समाज में सही व गलत की पहचान कर पाएगा ।	0.92	
CO5	साहित्य अध्ययन द्वारा जीवन में मूल्यों का विकास कर पाएगा ।	0.92	
CO6	हिन्दी साहित्य द्वारा साहित्यकार एवं उनकी रचनाओं को समझने का सार्थक प्रयास कर पाएगा ।	0.92	

COURSE-15: Foundation Course: II UAFC201

Subjects Involved:: Foundation Course - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	3	0	0	0	3	0	0	0	0	2.67
CO2	1	0	0	0	2	0	2	0	0	0	0	2	0	0	0	1.75
CO3	0	0	3	0	0	3	0	0	3	0	0	0	0	0	0	3.00
CO4	2	0	0	0	3	0	0	0	0	0	0	0	0	3	3	2.75
CO5	0	3	0	0	0	0	2	0	3	0	2	0	0	0	3	2.60
PO Avg	1.50	2.50	3.00	0	2.50	3.00	2.33	0	3.00	0	2.50	2.00	0	3.00	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Infer LPG an economic reform and its impact on information technology and communication, industry, employment, agrarian sector, corporate farming and increase in farmers' suicides.	2.37	
CO2	Recognize Human Rights, Universal Declaration of Human Rights, Fundamental Rights stated in Indian Constitution.	2.38	
CO3	Discuss Ecology and Environment, Environmental degradation- causes and impact on human life and relate Sustainable Development- concept	2.37	
CO4	Outline the causes of stress and conflict, significance of values, measures to control aggression and violence	2.38	
CO5	Use of coping mechanisms for managing individual stress and conflict, efforts towards building peace and harmony in society.	2.38	

COURSE-16: Communication Skills in English - Paper II UACS201

Subjects Involved:: Communication Skills in English - Paper II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	2	0	0	0	3	0	0	0	0	0	1	2.00
CO2	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	2.33
CO3	1	0	0	2	0	2	0	3	0	0	3	0	2	1	0	2.00
CO4	0	3	0	0	2	0	0	0	1	0	0	0	2	0	0	2.20
PO Avg	1.50	3.00	3.00	2.00	2.00	2.00	0	3.00	2.00	0	3.00	0	2.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the difference between Indian and World English.	2.36	
CO2	Compare types of interviews and the ways to face them	2.36	
CO3	Apply strategies of presentations and group discussions	2.38	
CO4	Develop S.O.Ps, reports and essays	2.39	

COURSE-17: Economics Paper II- Microeconomics- II UAECO201

Subjects Involved:: Economics Paper II- Microeconomics- II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	3	0	0	1	0	0	1	0	2	0	2	2.00
CO2	0	2	0	3	0	0	0	0	2	0	0	0	0	0	0	2.33
CO3	0	0	3	0	0	1	0	0	0	0	3	0	0	0	3	2.50
CO4	0	0	0	2	0	0	0	3	0	0	3	0	2	3	0	2.60
PO Avg	2.00	2.00	3.00	2.50	3.00	1.00	0	2.00	2.00	0	2.33	0	2.00	3.00	2.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain various concepts and types of production analysis and interpret short run long run laws of production function.		
CO2	Represent concepts of cost and revenue and sketch short run and long run cost curves.		
CO3	Prepare theories of rent, wages, interest and profit.		
CO4	Show the short run and long run equilibrium under perfect competition and monopolistic competition.		

COURSE-18: Foundation Course- IV UAFC401

Subjects Involved:: Foundation Course- IV

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	1	0	0	0	0	1	0	0	3	1.75
CO2	1	0	3	0	0	0	0	3	0	0	1	0	0	0	0	2.00
CO3	0	0	0	2	0	0	2	0	0	0	0	0	3	0	3	2.50
CO4	0	0	1	0	2	0	0	0	3	0	0	0	0	0	0	2.25
PO Avg	1.00	2.00	2.00	2.00	2.00	0	1.50	3.00	3.00	0	1.00	1.00	3.00	0	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Infer the Rights of Consumers, Right to Information, Public Interest, Citizen charter		
CO2	Recognize the approaches to ecology, sustainability principle, the polluter pays principle, human rights principles		
CO3	Discuss the Laser Technology- and its its applications, Information and Communication Technology and its applications		
CO4	Articulate about Common Admission Test (CAT) and Scholastic Aptitude Test (SAT), Common Admission Test (CAT) and Scholastic Aptitude Test (SAT), Staff Selection Commission (SSC), the National and State Eligibility Tests (NET / SET) for entry into teaching profession, Soft skills required for competitive examinations, Motivation theory, goal setting, time management		

COURSE-19: Psychology Paper II- Social Psychology-Part II UAP

Subjects Involved:: Psychology Paper II- Social Psychology-Part II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	3	0	0	3	0	0	3	0	2	2.60
CO2	0	0	1	0	0	2	0	0	3	0	0	2	0	0	0	2.20
CO3	3	0	0	3	0	0	0	3	0	0	2	0	0	0	2	2.60
CO4	0	0	0	0	2	2	0	0	0	0	0	0	0	3	0	2.50
PO Avg	3.00	2.00	1.00	3.00	2.00	2.00	3.00	3.00	3.00	3.00	2.00	2.00	3.00	3.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Infer the foundational concept necessary for a thorough comprehension of stereotyping, prejudice, and discrimination		
CO2	Incorporate psychological concepts into your daily understanding of social influence		
CO3	Acquire knowledge of and adopt appropriate techniques for aggressiveness		
CO4	Increase an overall awareness of prosocial conduct		

COURSE-20: Economics Paper V - Macroeconomics-II UAECO401

Subjects Involved:: Economics Paper V - Macroeconomics-II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	3	0	0	0	1	0	0	3	0	0	0	0	2.40
CO2	0	2	0	0	0	3	0	0	0	1	0	0	0	3	2	2.20
CO3	0	0	3	0	2	0	2	0	0	0	0	1	0	0	0	2.20
CO4	1	0	0	0	0	0	0	3	2	0	0	0	2	0	2	2.00
PO Avg	1.50	2.00	3.00	3.00	2.00	3.00	2.00	2.00	2.00	1.00	3.00	1.00	2.00	3.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Recognize and judge the causes of inflation and represent the measures of monetary and fiscal policy to control inflation.		
CO2	Define and Explain the objectives of monetary & fiscal policy.		
CO3	Show simultaneous equilibrium in goods and money market with the help of IS-LM Model.		
CO4	Execute foreign exchange market analysis		

COURSE-21: Economics Paper VI- Indian Economy UAECO402

Subjects Involved:: Economics Paper VI- Indian Economy

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	0	0	1	0	0	2	0	0	2	0	0	0	3	0	2.00
CO2	1	0	2	0	2	0	0	0	3	0	0	3	0	0	2	2.17
CO3	0	2	0	0	0	2	0	3	0	0	2	0	0	0	0	2.00
CO4	0	3	0	3	0	0	3	0	0	3	0	0	3	0	2	2.83
PO Avg	2.00	2.50	2.00	2.00	2.00	2.00	2.50	3.00	3.00	2.50	2.00	3.00	3.00	3.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Infer the Trends in India's National Income ,PCI,Structural Changes In Indian and Economy Employment Generation and Poverty Alleviation Programmes , Regional Inequalities, Measures to Reduce Regional Inequalities in India		
CO2	Recognize the Role of Agriculture, Economic Development,Causes of Low Productivity,Agricultural Inputs,price,policy and Minimum Support Price Policy, Describe Micro Finance; NABARD and Agricultural Marketing, Structure and Problems,National Policy for Farmers, 2007, Organic Farming Policy, Food Security in India		
CO3	Discuss the Infrastructure ,Industrial Development, Policies, Micro, Small and Medium Enterprises (MSMEs), Classify Economic Development, Policies, Startup India, Make in India, Skill India, FDI.		
CO4	Memorize the Role of Service Sector in Indian ,Growth and Performance of Healthcare, Trade and Tourism, and Information Technology and IT, Research and Development Skill Development ,Employment Generation in India, XIIth Five Year Plan		

COURSE-22: Psychology Paper I- Fundamentals of Psychology-Par

Subjects Involved:: Psychology Paper I- Fundamentals of Psychology-Part II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	2	0	0	0	0	0	3	0	0	0	0	2	2.00
CO2	0	0	2	0	2	0	0	0	0	0	0	3	0	0	0	2.33
CO3	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	2.00
CO4	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2.00
PO Avg	1.00	2.00	2.00	2.00	2.00	2.00	0	2.00	0	3.00	0	3.00	0	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Comprehend the fundamental idea required for a solid understanding of thinking, intelligence and language.		
CO2	Integrate psychological concepts to daily comprehension of motivation and emotion		
CO3	Relate and put into practise personality theories will help become a better version of self		
CO4	Develop research insight and critical thinking skills.		

COURSE-23: History Paper I-History and Modern India: Society
Subjects Involved:: History Paper I-History and Modern India: Society & Economy

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	3	0	0	0	0	2	0	0	0	3	0	0	2.50
CO2	2	0	0	0	3	0	0	0	3	0	0	0	0	3	0	2.75
CO3	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	1.67
CO4	0	0	1	0	0	0	2	0	0	0	2	0	0	0	0	1.67
PO Avg	2.00	0	1.00	3.00	3.00	1.00	2.00	0	2.50	0	2.00	0	3.00	3.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Summarize the social reforms of modern India		
CO2	Characterize the modes of transport and communication used during the British India		
CO3	Explain the various acts passed during the British India		
CO4	Identify the achievements of the various mass movements by the women and tribes of British India		

COURSE-24: Psychology Paper III- Developmental Psychology-Par

Subjects Involved:: Psychology Paper III- Developmental Psychology-Part II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0	2.50
CO2	0	2	0	0	0	0	0	3	0	0	0	0	0	0	2	2.33
CO3	0	0	0	3	0	0	0	0	0	0	3	0	0	0	0	3.00
CO4	0	0	0	3	0	0	0	0	0	3	0	0	0	0	3	3.00
PO Avg	0	2.00	0	3.00	0	0	3.00	3.00	0	3.00	2.50	0	0	0	2.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the basic concepts and modern trends in Developmental Psychology		
CO2	Apply the various concepts, principles and theories of Developmental Psychology in daily life in the Indian context.		
CO3	Summarize the topical areas of development in adolescence, early, middle adulthood.		
CO4	Evaluate the theoretical perspectives to understand the development during adolescence, early, middle and late adulthood.		

COURSE-25: History Paper II:Landmarks in World History 1300 A**Subjects Involved::** History Paper II:Landmarks in World History 1300 A.D.-1945 A.D.**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	0	0	0	0	3	0	0	0	0	2.50
CO2	0	0	0	2	0	0	0	0	3	0	0	0	0	0	2	2.33
CO3	0	0	0	0	0	2	0	0	0	0	0	3	0	0	0	2.50
CO4	0	0	0	2	0	0	0	0	0	0	0	0	3	0	0	2.50
PO Avg	0	2.00	0	2.00	0	2.00	0	0	3.00	0	3.00	3.00	3.00	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the inter war period in middle east countries.		
CO2	Estimate the reasons for the rise of dictatorship across the world.		
CO3	Investigate the causes and impact of world war second and efforts for peace to avoid such war in future.		
CO4	Integrate the Nationalist movement in Asia and its impact.		

COURSE-26: History Paper III: Ancient India from Earliest Tim**Subjects Involved::** History Paper III: Ancient India from Earliest Times to 1000 A.D.**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	3	0	3	0	0	0	0	2	0	2.50
CO2	0	0	0	2	0	0	0	0	0	3	0	0	0	2	0	2.33
CO3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2.00
CO4	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	2.00
PO Avg	0	2.00	0	2.00	2.00	2.00	3.00	0	3.00	3.00	0	2.00	0	2.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret and explain the rise, achievements and downfall of the Mauryan and post- Mauryan dynasties		
CO2	Examine the social, economic and religious life o		
CO3	Summarize the creation of Janapadas and Analyze socio-economic life.		
CO4	Break- down the rise of Mahajanapadas, Jainism and Buddhism, Assess the Persian and Greek invasion on India in the 6th century.		

PROGRAM-4: BAMMC

Academic Classes Involved: SYBAMMC A, FYBAMMC, TYBAMMC A

OBE Courses Mapped: Effective Communication- I, History of Media, Fundamentals of Mass communication, Visual Communication, Current Affairs, Computers and Multimedia- I, Corporate Communication and Public Relations, Electronic Media- I, Film Communication- I, Introduction to Photography, Media Studies, Effective Communication- II BAMMEC-201, Foundation Course: II BAMMFC-202, Content Writing BAMMCW-203, Introduction to Advertising BAMMID-204, Introduction to Journalism BAMMIJ-205, Media, Gender and Culture BAMMMGC-206, Electronic Media- II BAMMC EM-4011, Writing and Editing for Media BAMMC WEM-402, Media Laws and Ethics BAMMC MLE-403, Mass Media Research BAMMC MMR-404, Film Communication- II BAMMC FCO-405, Computers and Multimedia- II BAMMC CMM-406

PO SUMMARY

PO Name	PO Statement	PO Attainment Value	PO Corrective Measures
PO1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.	0.97	
PO2	Effective Communication: Speak, read, write and listen clearly in person to make meaning of the world by connecting people, ideas, books, media and technology.	1.25	
PO3	Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.	1.31	
PO4	Effective Citizenship: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.	1.11	
PO5	Ethics: Recognize different value systems including our own, Explain the moral dimensions of our decisions, and accept responsibility for them.	0.89	
PO6	Environment and Sustainability: Explain the issues of environmental contexts and sustainable development.	0.76	
PO7	Self-directed and Life-long Learning: Acquire the ability to engage in independent and lifelong learning in the broadest context of socio- technological changes.	0.91	
PO8	Self-directed and Life-long Learning: Transform the learners into highly informed multi-tasking media professionals including animation and graphic designers.	1.27	
PO9	Enhancing Core Competency: Enhance the core competencies required to meet the skills of journalism and advertising.	0.69	
PO10	Opportunity to Leading Careers: Provide expertise to the learners giving them an opportunity to lead a career of reporters and anchors.	0.99	
PO11	Obtaining leading Marketing Positions: Groom the learners for working as marketing managers and public relation officers.	0.83	
PO12	Instil Entrepreneurship: Unable the learners to establish their own start-ups on various digital platforms.	0.98	
PSO1	Demonstrate various skills set with respect to disciplines of Arts, Advertising, TV and OTT platform.	0.99	
PSO2	Exhibit skills of effective communication and research aptitude in Advertising process.	0.99	
PSO3	Use analytical and research tools of media marketing and utilize information technology tools pertaining to media and ad production.	0.68	

PSO4	Make use of practical skills in the field of brand building, ad design, copy writing and agency management.	0.8	
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COURSE-1: Effective Communication- I

Subjects Involved:: Effective Communication- I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	1	1	2	0	0	1	0	1	0	1	0	1	1	1	1.30
CO2	3	0	0	1	0	1	0	1	0	1	0	2	0	1	0	1.43
CO3	2	0	2	0	1	0	0	0	1	0	1	0	0	0	1	1.29
CO4	2	1	0	1	0	1	0	0	0	1	0	1	1	0	1	1.11
PO Avg	2.50	1.00	1.50	1.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.50	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the concept, process, modes and methods of communication, Evaluate their effectiveness and create solutions to communication barriers.	0.9	
CO2	Identify and differentiate between the types of reading, Discover media vocabulary and Understand the basics of functional English Grammar.	0.9	
CO3	Differentiate between types of thinking and its errors, Deliver presentations.	0.9	
CO4	Interpret the concept of translation, its challenges and differentiate between interpretation and translation.	0.9	

COURSE-2: History of Media
Subjects Involved:: History of Media

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	0	1	0	1	1	0	0	2	0	1	0	1	0	1.25
CO2	1	0	0	2	0	0	1	1	0	1	0	0	1	1	0	1.13
CO3	0	1	1	0	1	2	1	0	1	0	0	1	0	0	1	1.11
CO4	1	2	0	0	1	0	0	0	0	0	1	0	1	1	1	1.13
PO Avg	1.33	1.33	1.00	1.50	1.00	1.50	1.00	1.00	1.00	1.50	1.00	1.00	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Assess the role of media in indian independence movement and cultural history.	1.16	
CO2	Enumerate the major developments in media history.	1.18	
CO3	Comprehend the genesis of documentaries and describe the role of documentaries.	1.17	
CO4	Develop the ability to think and analyze about the media.	1.17	

COURSE-3: Fundamentals of Mass communication

Subjects Involved:: Fundamentals of Mass communication

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	0	0	2	0	1	0	1	0	1	0	0	1	1	1.25
CO2	1	0	2	1	0	1	0	1	0	0	1	0	1	1	0	1.11
CO3	1	2	0	0	1	0	0	1	0	1	0	1	0	0	0	1.14
CO4	0	0	1	0	0	1	2	0	1	0	0	1	0	1	1	1.14
CO5	1	0	0	1	0	1	0	1	1	0	0	1	0	1	1	1.00
PO Avg	1.25	1.50	1.50	1.00	1.50	1.00	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the basic concept for a robust foundation in psychological concepts.	1.51	
CO2	Relate basic concepts of psychology in daily understanding and activities.	1.51	
CO3	Acquire critical thinking and develop research insight.	1.5	
CO4	Comprehend and instill important life skills such as resilience, hardiness, acceptance, etc.	1.51	
CO5	Interpret the market of new media and its various methods of functioning.	1.52	

COURSE-4: Visual Communication
Subjects Involved:: Visual Communication

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	1	2	0	1	0	1	0	0	1	2	0	2	0	1	1.30
CO2	1	2	1	2	1	1	1	1	0	1	0	0	1	1	0	1.17
CO3	1	0	2	0	1	1	2	1	1	0	1	0	1	2	0	1.30
CO4	2	1	1	0	1	1	0	1	1	1	1	1	0	1	0	1.09
CO5	1	1	2	1	1	1	1	2	1	1	1	0	2	0	0	1.25
PO Avg	1.20	1.25	1.60	1.50	1.00	1.00	1.25	1.25	1.00	1.00	1.25	1.00	1.50	1.33	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Summarize the history and development of visuals.	1.16	
CO2	Classify different types of Sensual and Perceptual theories of visual communication.	1.17	
CO3	Relate psychological implications of visual elements.	1.16	
CO4	Demonstrate importance of visual communication channels and their use in media.	1.17	
CO5	Point out use of visual communication in the age of social media and advertising.	1.15	

COURSE-5: Current Affairs
Subjects Involved:: Current Affairs

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	0	1	0	1	1	0	1	2	1	1	1	1	0	1.18
CO2	1	1	1	2	0	0	1	0	1	0	1	0	1	0	1	1.11
CO3	1	0	1	1	1	0	0	2	0	0	0	1	0	1	0	1.13
CO4	1	0	0	1	0	0	1	1	0	1	0	0	0	1	0	1.00
CO5	2	0	2	0	0	1	0	0	1	0	1	0	1	1	0	1.29
PO Avg	1.40	1.00	1.33	1.25	1.00	1.00	1.00	1.50	1.00	1.50	1.00	1.00	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify current developments in various fields of India and World.	1.32	
CO2	Discuss current burning issues covered in all types of media.	1.34	
CO3	Summarize politics, economics, environment and technology and its relevance to the news.	1.34	
CO4	Examine current news and its political and social dimensions.	1.34	
CO5	Explain technological advancements and its use in media fields.	1.33	

COURSE-6: Computers and Multimedia- I

Subjects Involved:: Computers and Multimedia- I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	3	1	1	2	2	1	0	0	1	1	0	2	1	1	1.50
CO2	2	0	2	0	1	0	0	1	0	1	0	1	1	0	1	1.25
CO3	1	0	3	1	1	0	1	2	0	1	1	2	0	2	0	1.55
CO4	3	2	0	1	0	1	2	0	1	0	1	2	1	0	2	1.55
PO Avg	2.00	2.50	2.00	1.00	1.33	1.50	1.33	1.50	1.00	1.00	1.00	1.67	1.33	1.50	1.33	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify the minimum requirement of the software while stepping out in the media industry.	1.65	
CO2	Select appropriate software to make for video and audio editing.	1.66	
CO3	Discover the use of different softwares which are required for audio visual projects.	1.67	
CO4	Choose better software and technical decisions for graphic designers and video editors.	1.65	

COURSE-7: Corporate Communication and Public Relations

Subjects Involved:: Corporate Communication and Public Relations

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	1	0	0	1	0	0	1	0	2	0	0	1	1	0	1.14
CO2	2	0	1	2	0	1	1	0	1	0	1	0	0	0	1	1.25
CO3	1	1	0	1	0	1	1	0	1	1	0	1	0	2	1	1.09
CO4	1	2	0	1	1	1	2	0	0	1	0	1	0	0	1	1.22
PO Avg	1.25	1.33	1.00	1.33	1.00	1.00	1.33	1.00	1.00	1.33	1.00	1.00	1.00	1.50	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the concepts of Corporate Communication and Public Relations.	1.64	
CO2	Connect various aspects of corporate communication and its correspondence.	1.66	
CO3	Explain various aspects and theories of Public Relations.	1.67	
CO4	Demonstrate various Mass Media laws and use of technology and correspondence in day-to-day activities of an organization.	1.64	

COURSE-8: Electronic Media- I
Subjects Involved:: Electronic Media- I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	1	2	0	0	1	0	1	0	1	0	2	1	1	1.30
CO2	1	1	1	2	1	1	1	0	0	2	0	0	0	2	0	1.33
CO3	2	0	1	0	0	1	0	1	0	0	1	0	1	0	1	1.13
CO4	1	2	1	0	1	1	0	0	1	1	0	1	0	1	1	1.09
CO5	1	2	0	0	1	0	1	0	0	2	0	0	1	1	1	1.25
PO Avg	1.40	1.50	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.67	1.00	1.00	1.33	1.25	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the history of radio and television.	2.38	
CO2	Discover different types of sound, visuals and its importance.	2.37	
CO3	Classify fiction and non-fiction as well as radio and television formats.	2.38	
CO4	Interpret roles and contribution of electronic media in the development of the society.	2.38	
CO5	Demonstrate film production process.	2.38	

COURSE-9: Film Communication- I
Subjects Involved:: Film Communication- I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	2	3	2	1	2	1	1	0	0	0	0	2	1	0	1.70
CO2	1	2	1	3	2	1	0	0	2	1	0	1	0	2	1	1.50
CO3	2	3	2	1	1	0	0	1	0	1	1	0	1	1	1	1.33
CO4	1	2	2	3	1	1	1	1	2	1	0	0	1	2	0	1.50
CO5	1	1	1	0	1	1	2	0	0	0	2	0	2	0	1	1.30
PO Avg	1.40	2.00	1.80	2.25	1.20	1.25	1.33	1.00	2.00	1.00	1.50	1.00	1.50	1.50	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Inculcate liking and understanding of good cinema.	2.36	
CO2	Summarize the power of visuals and sound and the ability to make use of them in effective communication.	2.36	
CO3	Explain the role of cinema in India and across the globe.	2.37	
CO4	Identify the needs and importance of storytelling in cinema.	2.36	
CO5	Demonstrate the learned knowledge by the means of film making and practical use.	2.36	

COURSE-10: Introduction to Photography

Subjects Involved:: Introduction to Photography

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	0	3	3	2	1	2	3	2	1	1	2	0	3	0	2.17
CO2	3	3	2	3	0	2	0	1	1	1	2	0	1	0	0	1.82
CO3	2	2	0	2	1	1	2	0	1	0	0	1	0	2	1	1.50
CO4	1	2	3	3	2	1	0	2	2	1	0	1	0	2	1	1.75
CO5	2	0	2	2	2	1	1	2	1	0	1	0	2	1	1	1.50
PO Avg	2.20	2.33	2.50	2.60	1.75	1.20	1.67	2.00	1.40	1.00	1.33	1.33	1.50	2.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the system of the camera and its history.	2.37	
CO2	Explain Aperture, shutter and iso with use of it.	2.38	
CO3	Discuss Focal length, viewfinder and its uses.	2.38	
CO4	Demonstrate proper use of different types of lenses and lights.	2.37	
CO5	Point out triangle compensation and parameters for improved photography.	2.39	

COURSE-11: Media Studies
Subjects Involved:: Media Studies

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	1	2	1	0	1	0	0	0	1	0	0	2	0	0	1.29
CO2	0	1	0	0	2	0	1	0	1	0	1	0	0	0	1	1.17
CO3	1	0	0	1	0	0	1	2	0	0	1	0	1	0	0	1.17
CO4	1	1	0	1	0	1	0	0	1	2	0	0	0	1	0	1.13
CO5	1	0	2	0	2	0	1	0	1	0	1	0	1	0	0	1.29
PO Avg	1.00	1.00	2.00	1.00	2.00	1.00	1.00	2.00	1.00	1.50	1.00	0	1.33	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify the contribution of history in various media theories used today.	0.21	
CO2	Express propaganda in depth with a focus on its impact on the viewers.	0.22	
CO3	Discuss the studies conducted by various theorists.	0.22	
CO4	Interpret the nature of an audience by focusing on culture and bias.	0.22	
CO5	Recognize Netflix as the Global Village as identified by Marshall Mcluhan.	0.21	

COURSE-12: Effective Communication- II BAMMEC-201

Subjects Involved:: Effective Communication- II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	1	1	0	0	0	2	0	0	0	0	3	0	0	0	1.60
CO2	0	0	1	0	2	0	0	2	0	3	0	0	0	0	0	2.00
CO3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1.00
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO Avg	0	1.00	1.00	0	2.00	0	1.50	2.00	0	3.00	0	3.00	0	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Execute Report writing and organisational writing.		
CO2	Interpret the concept and rules of editing.		
CO3	Distinguish between concepts of plagiarism and paraphrasing in editing.		
CO4	Examine and understand non-verbal data.		

COURSE-13: Foundation Course: II BAMMFC-202

Subjects Involved:: Foundation Course: II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1.00
CO2	0	0	0	2	0	0	0	1	0	0	1	0	0	1	0	1.25
CO3	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	1.50
CO4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1.00
CO5	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1.00
PO Avg	1.00	1.00	1.50	2.00	1.00	0	0	1.00	0	0	1.00	0	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Associate with impact of globalized industry with regard to changes in employment and increasing migration and explain the real scenario which has resulted in rise of corporate farming and increased farmer suicides		
CO2	Acquaint with the concept, origin and evolution of human rights and also the fundamental rights stated in the Constitution.		
CO3	Link with environment, ecology and their interconnectedness. Relate environmental degradation, its impact and the need for sustainable development.		
CO4	Interpret the various factors contributing to stress and conflicts in individuals and the society.		
CO5	Prepare with different methods of responding to conflicts and coping with stress in contemporary society.		

COURSE-14: Content Writing BAMMCW-203

Subjects Involved:: Content Writing

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1.00
CO2	0	2	0	0	1	0	0	0	0	0	0	0	0	1	0	1.33
CO3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00
CO4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
PO Avg	1.33	2.00	1.00	0	1.00	0	0	0	0	0	0	0	1.00	1.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify tools that would help them communicate effectively.		
CO2	Infer crisp writing as part of Mass Communication.		
CO3	Develop clarity of thought and understand the essence of the situation.		
CO4	Write effectively for various Mass Media Platforms .		

COURSE-15: Introduction to Advertising BAMMID-204

Subjects Involved:: Introduction to Advertising

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	2.00
CO2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1.50
CO3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
CO4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
CO5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2.00
PO Avg	1.33	2.00	2.00	0	0	0	0	0	0	0	0	0	1.50	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Grasp the basic understanding of advertising, growth, importance and types.		
CO2	Compare effective advertising campaigns, tools, models etc.		
CO3	Comprehend the role of advertising, various departments, careers and creativity.		
CO4	Identify various advertising trends, and future.		
CO5	Create an advertisement using the existing market trends.		

COURSE-16: Introduction to Journalism BAMMIJ-205

Subjects Involved:: Introduction to Journalism

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1.25
CO2	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1.33
CO3	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1.00
CO4	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1.50
PO Avg	1.75	1.00	1.00	1.00	0	0	0	0	1.00	0	0	0	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Memorize report Writing (English, Hindi or Marathi) General report and News report writing, Basics and Format, Headline, Sub-headline, various types of the report.		
CO2	Explain principles of editing Punctuation, Substitution of words, Restructuring of sentences, Re-organizing sentence sequence in a paragraph.		
CO3	Summarize content , the points and sub- points and the logical connection between the points.		
CO4	Describe graphs, maps, charts, write content based on the data provided.		

COURSE-17: Media, Gender and Culture BAMMMGC-206

Subjects Involved:: Media, Gender and Culture

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1.33
CO2	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	1.50
CO3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1.50
CO4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
PO Avg	1.67	2.00	0	0	0	0	0	0	0	0	0	0	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Execute Report writing and Organisational writing.		
CO2	Interpret the concept and rules of editing.		
CO3	Distinguish between concepts of plagiarism and paraphrasing in editing.		
CO4	Examine and understand non-verbal data.		

COURSE-18: Electronic Media- II BAMMC EM-4011

Subjects Involved:: Electronic Media- II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1.00
CO2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1.33
CO3	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1.00
CO4	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1.00
CO5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
PO Avg	1.25	1.00	1.00	0	0	0	0	0	0	0	0	1.00	1.00	0	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Quote Short History of Radio and TV in India and abroad and convergence trends.		
CO2	Identify sound, visuals, electronic news gathering.		
CO3	Find Formats such as fiction and nonfiction.		
CO4	Comment on Radio-role and importance as well as contribution of All India Radio.		
CO5	Execute Production process for creating videos and such contents.		

COURSE-19: Writing and Editing for Media BAMMC WEM-402

Subjects Involved:: Writing and Editing for Media

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1.33
CO2	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1.00
CO3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1.00
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PO Avg	1.33	0	1.00	0	0	0	0	0	0	0	0	0	1.00	1.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Memorize the different writing styles that fit various media platforms.		
CO2	Acquire information gathering skills and techniques.		
CO3	Interpret similarities and differences in writing for all forms of media including internet and digital.		
CO4	Execute with efficiency the use media tools like hashtags etc effectively		

COURSE-20: Media Laws and Ethics BAMMC MLE-403

Subjects Involved:: Media Laws and Ethics

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1.33
CO2	1	0	1	0	0	0	0	0	0	0	0	0	1	1	0	1.00
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
PO Avg	1.33	0	1.00	0	0	0	0	0	0	0	0	0	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interprete the Evolution of Constitution and Media.		
CO2	Define the concepts & dynamics of the Regulatory Bodies.		
CO3	State the concept of Media Laws.		
CO4	Determine the Value of Media Laws.		

COURSE-21: Mass Media Research BAMMC MMR-404

Subjects Involved:: Mass Media Research

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	2	0	0	0	0	0	0	0	0	0	0	1	1	1.50
CO2	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1.00
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
CO5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
CO6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
PO Avg	1.25	1.00	2.00	0	0	0	0	0	0	0	0	0	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Find relevance, scope of Mass Media research and Role of research in the media.		
CO2	Compare Concept and types and uses of Research Designs: such as Exploratory and Descriptive and Causal.		
CO3	Outline Primary Data and Collection methods.		
CO4	Express Quantitative and Qualitative approach and Steps in content analysis.		
CO5	Locate Readership and Circulation surveys like TRP, Audience Research and Exit Polls.		
CO6	Highlight Semiotics of the Mass Media.		

COURSE-22: Film Communication- II BAMMC FCO-405

Subjects Involved:: Film Communication- II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1.33
CO2	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1.00
CO3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1.00
CO4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1.00
CO5	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1.50
PO Avg	1.50	1.50	1.00	0	0	0	0	0	0	0	0	0	0	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Review regional & international cinema with a deeper understanding of its structure.		
CO2	Examine the process of filmmaking through various stages of production.		
CO3	Determine the importance of renowned filmmakers and their contribution to Indian Cinema.		
CO4	Compare various Film Festivals around the world and their significance.		
CO5	Express emotions through cinema and get inspiration for one's own projects.		

COURSE-23: Computers and Multimedia- II BAMMC CMM-406

Subjects Involved:: Computers and Multimedia- II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1.33
CO2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1.00
CO3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1.00
CO4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1.50
CO5	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1.00
PO Avg	1.50	0	1.00	0	0	0	0	0	0	0	0	0	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Use Photoshop essential skills for students working or wanting work in graphic design.		
CO2	Demonstrate software program for every professional in the realm of graphic designing and vector based artwork.		
CO3	Operate Indesign is a desktop publishing and layout application for creating books, magazines, flyers, newspapers etc basically contains text and images.		
CO4	Execute design for video editing,for content creators and filmmakers to organize and edit video files.		
CO5	Execute design for video editing,for content creators and filmmakers to organize and edit video files.		

PROGRAM-5: BMS

Academic Classes Involved: SYBMS A, SYBMS B

OBE Courses Mapped: Introduction to financial Accounts, Business Law - UBMSFSI.2, Business Statistics - UBMSFSI.3, Foundation of Human Skills - UBMSFSI.6, Business Economics - UBMSFSI.7, Information Technology in Business Management - I, Foundation Course - III (Environmental Management), Business Planning and Entrepreneurial Management -, Accounting for Managerial Decisions - UBMSFSIII.5, Strategic Management - UBMSFSIII.6, Equity and Debt Market - UBMSFSIII.1.03, Corporate Finance - UBMSFSIII.1.04, Advertising - UBMSFSIII.1.07, Consumer Behavior - UBMSFSIII.1.05, Business Communication - 1 - UBMSFSI.4, Foundation Course - 1 - UBMSFSI.5.1, Business Research Methods, Principles of Marketing UBMSFSII.1, Principles of Management UBMSFSII.7, Industrial Law UBMSFSII.2, Business Mathematics UBMSFSII.3, Business Communication - II UBMSFSII.4, Foundation Course - II UBMSFSII.5.1, Business Environment UBMSFSII.6, Foundation Course - IV UBMSFSIV.3.01, Information Technology in Business Management - II, Business Economics - II UBMSFSIV.5, Production and Total Quality Management UBMSFSIV.6, Auditing UBMSFSIV.1.02, Corporate Restructuring UBMSFSIV.1.04, Integrated Marketing Communication UBMSFSIV.1.05, Rural Marketing UBMSFSIV.1.06

PO SUMMARY

PO Name	PO Statement	PO Attainment Value	PO Corrective Measures
PO1	Critical Thinking - Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal), from different perspective.	2	
PO2	Effective Communication: To speak, read, write and listen clearly in person to make meaningful conversations in the real world, related to marketing and finance.	1.6	
PO3	Social Interaction: Evoke views of others, mediate discussions and help reach conclusions with the stakeholders of society.	1.62	
PO4	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering in various consumer centric programmes.	1.58	
PO5	Ethics: Recognize the significance of ethical and moral values related to the consumer, and accept responsibilities towards a better future for the society.	1.64	
PO6	Environment and Sustainability: Inculcate the sustainable development in the organizations to provide the better protection for the environment.	1.81	
PO7	Self-directed and Life-long Learning: Enhance the competence of the individual to be self dependent and be a life-long learner in the aspect of socio, economic, interpersonal and technological skills.	1.6	
PO8	Research Related Skill: Inculcate the analytical skills and research skills of the changing market situations among the students.	1.68	
PO9	Discipline knowledge: Build fundamentals in core areas of Marketing, Finance, Business Research & Quantitative Techniques, Economics, Statistics, and get exposure to the relevant software.	1.78	
PO10	Problem solving: Ability to logically question assertions and analyze the patterns in order to distinguish between essential and irrelevant aspects of problems.	1.53	
PO11	Team Building: Ability to work with a group of people in an organization and lead them in order to become a leader/entrepreneur.	1.87	
PO12	Technical Aspects: Learn the best practices of handling technical aspects of logistics, operations & total quality management along with the systems involved in the overall production process.	1.52	
PSO1	Demonstrate communication, logical and analytical skills.	1.76	

PSO2	Acquire and apply knowledge related to financing, financial system and money management.	1.67	
PSO3	Inter relate and interpret different aspects of finance and its application. Manage investment and wealth management functions of an organization.	1.85	
PSO4	Explore and demonstrate the knowledge of different areas of financial management in the market	1.61	

COURSE-1: Introduction to financial Accounts

Subjects Involved:: Introduction to Financial Accounts

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	2	0	2	0	2	2	0	2	1	1	1	0	2	0	1.64
CO2	2	0	1	1	0	2	2	0	0	2	0	2	2	0	0	1.78
CO3	1	2	0	1	2	0	0	1	1	1	1	0	2	2	3	1.55
CO4	0	1	2	0	2	3	2	2	3	1	2	2	0	2	1	1.92
PO Avg	1.33	1.67	1.50	1.33	2.00	2.33	2.00	1.50	2.00	1.25	1.33	1.67	2.00	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret about the individuals differences in behavior, personality, attitude, emotions, thinking, learning and perception	2.6	
CO2	Analyze the skills and development of group and team behavior to achieve overall and growth and goals of an organization.	2.6	
CO3	Evaluation of organizational culture and their functions, types, characteristics to create and maintain effective organization culture. & to create a positive environment in an organization by motivating and inspiring employees to avoid conflicts in an organization.	2.6	
CO4	Analysis and focusing on the overall organizational change and development, creativity, stress management to solve organizational problems	2.6	

COURSE-2: Business Law - UBMSFSI.2

Subjects Involved:: Business Law

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	3	2	0	1	2	0	1	2	2	2	0	2	0	3	1.92
CO2	1	2	2	2	1	1	0	1	1	2	2	0	0	3	2	1.67
CO3	0	1	0	2	2	0	2	3	0	1	0	2	3	1	0	2.00
CO4	3	3	1	0	3	3	3	1	3	1	2	1	1	2	1	2.07
CO5	2	2	2	1	0	2	2	2	2	1	3	0	0	1	2	1.83
CO6	0	1	3	2	2	2	0	3	2	0	1	1	2	0	0	1.91
PO Avg	1.75	2.00	2.00	1.75	1.80	2.00	2.33	1.83	2.00	1.40	2.00	1.33	2.00	1.75	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the relevant provisions of law related to making of contracts	2.6	
CO2	Recognize the laws related to the Sale of goods act , 1930	2.6	
CO3	Identify different types of Negotiable Instruments and compare the legal provisions related to them.	2.6	
CO4	Infer the rights of Consumer according to Consumer Protection Act 1986.	2.6	
CO5	Analyze the laws related to the Companies Act 2013	2.6	
CO6	Interpret the Legal rights resulting from Intellectual activity in the Industrial, scientific, literary and artistic fields	2.59	

COURSE-3: Business Statistics - UBMSFSL3

Subjects Involved:: Business Statistics

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	1	0	1	0	2	0	2	2	0	2	0	0	3	1.89
CO2	1	0	1	2	0	2	3	3	1	0	3	1	3	1	0	1.92
CO3	2	2	0	1	2	2	2	2	0	2	0	2	3	2	3	2.08
CO4	3	1	0	1	3	1	0	1	3	1	1	0	0	3	0	1.82
PO Avg	2.00	1.67	1.00	1.33	2.00	1.67	2.33	2.00	2.00	1.67	2.00	1.67	3.00	2.00	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Possess knowledge of the concept of Statistics and its relevance in business and develop an understanding of the quantitative techniques from statistics.Learner will distinguish between different types of data.Organize, manage and present Statistical data and will do Comparative analysis of all measures of Central Tendency	2.61	
CO2	Relate statistical data using measures of dispersion,Correlation and Linear Regression	2.61	
CO3	Correlate Time Series, Index Number and Cost of Living Index Number to real life examples.	2.61	
CO4	Interpret the basic probability rules, real-world problems into probability models and different types of decision theory and their practical applications.	2.61	

COURSE-4: Foundation of Human Skills - UBMSFSI.6

Subjects Involved:: Foundation of Human Skills

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	2	2	3	3	0	2	1	0	1	1	0	0	2	1.82
CO2	3	0	1	0	0	2	3	2	0	0	1	1	2	1	0	1.80
CO3	2	0	3	2	2	1	0	3	1	0	2	2	2	0	1	1.91
CO4	1	0	1	0	2	0	1	3	0	2	0	2	3	0	3	2.00
PO Avg	2.00	0	1.75	2.00	2.33	2.00	2.00	2.50	1.00	2.00	1.33	1.50	2.33	1.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interprete about the individuals differences in behavior, personality, attitude, emotions, thinking, learning and perception.	2.62	
CO2	Analyzing the skills and development of group and team behavior to achieve overall and growth and goals of an organization.	2.62	
CO3	Evaluation of organizational culture and their functions, types, characteristics to create and maintain effective organization culture. & to create a positive environment in an organization by motivating and inspiring employees to avoid conflicts in an organization.	2.62	
CO4	Analysis and focusing on the overall organizational change and development, creativity, stress management to solve organizational problems.	2.61	

COURSE-5: Business Economics - UBMSFSI.7

Subjects Involved:: Business Economics - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	1	2	3	0	2	3	2	0	3	2	1	0	1	1.91
CO2	2	2	3	0	2	0	3	2	0	2	2	0	2	2	2	2.08
CO3	3	0	3	3	0	1	2	0	3	1	0	2	1	2	0	2.18
CO4	0	2	3	2	3	2	0	3	0	2	0	2	0	2	2	2.30
CO5	1	3	0	3	1	0	3	0	3	0	0	2	0	2	0	2.11
PO Avg	1.75	2.33	2.50	2.50	2.25	1.50	2.50	2.67	2.67	1.67	2.50	2.00	1.33	2.00	1.67	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Classify basic tools, functional relations of business economics with real world	2.59	
CO2	Interpret the forecasting , functioning of demand by consumers perspective	2.59	
CO3	Examine supply, cost production decisions by producers perspective	2.6	
CO4	Identify reasoning and output decision under different forms of market	2.6	
CO5	Simplify pricing practices using different methods	2.6	

COURSE-6: Information Technology in Business Management - I

Subjects Involved:: Information Technology in Business Management - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	0	1	2	0	1	2	2	2	1	1	1	1	1	1.43
CO2	3	0	2	2	1	1	0	0	2	1	2	0	1	2	2	1.67
CO3	2	3	1	0	1	2	1	1	0	1	1	2	1	1	1	1.38
CO4	3	3	3	0	1	3	3	1	2	1	1	0	3	3	0	2.25
PO Avg	2.50	2.33	2.00	1.50	1.25	2.00	1.67	1.33	2.00	1.25	1.25	1.50	1.50	1.75	1.33	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the basic concepts of Entrepreneurship to budding managers. Interpret the basic concepts of Entrepreneurship to budding managers.	2.59	
CO2	Develop responsibility of the full line of management function of a company with special reference to the SME sector.	2.6	
CO3	Identify areas of Discipline of Management & Entrepreneurship.	2.6	
CO4	Demonstrate the systematic process and to select and screen a business idea.	2.6	

COURSE-7: Foundation Course - III (Environmental Management)

Subjects Involved:: Foundation Course (Environmental Management)- III

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	1	3	2	3	2	1	0	2	2	3	3	3	0	2.15
CO2	1	3	0	3	0	2	2	1	1	0	3	3	3	2	0	2.17
CO3	0	2	2	1	2	0	2	2	0	1	0	0	2	3	2	1.90
CO4	3	3	2	2	2	1	0	3	3	1	3	1	1	0	3	2.07
PO Avg	2.00	2.67	1.67	2.25	2.00	2.00	2.00	1.75	2.00	1.33	2.67	2.33	2.25	2.67	2.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Defines constituents of the ecological system and concepts like water cycle, Ecosystem & Ecology Food chain, food web & Energy flow pyramid.	2.97	
CO2	Corelate adverse effects on the environment due to various Human activities, cause and effect of Global Warming, Disaster Management and Waste Management	2.98	
CO3	Interpret sustainable business practices that can benefit both the organisation and the environment, EIA, Environmental Audits, and laws regarding the environment.	2.98	
CO4	Discover Innovative Business Models: Eco-tourism, green marketing, Waste management projects for profits and other business projects for a greener future.	2.96	

**COURSE-8: Business Planning and Entrepreneurial Management -
Subjects Involved:: Business Planning and Entrepreneurial Management**

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	1	1	2	2	0	2	3	3	0	2	0	3	2	0	2.00
CO2	3	2	2	0	1	3	2	1	0	3	3	2	3	0	2	2.23
CO3	0	2	0	3	0	0	3	3	2	2	0	0	3	1	2	2.40
CO4	2	0	3	0	3	3	0	2	1	1	2	2	0	0	0	2.00
PO Avg	2.50	1.67	2.00	2.50	2.00	3.00	2.33	2.25	2.00	2.00	2.33	2.00	3.00	1.50	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpreting the concept of overall entrepreneurship development and evaluating all the theories of entrepreneurship.	2.95	
CO2	Analysis of entrepreneurship in different types and levels & classifications of an entrepreneur.	2.95	
CO3	Creating idea generation, swot analysis innovation, creativity, scope, objectives of entrepreneurship development cycle and business plan.	2.95	
CO4	Application & study of sources of finance, venture capital, steps, channels of marketing and new trends in any venture set-up.	2.95	

COURSE-9: Accounting for Managerial Decisions - UBMSFSIII.5

Subjects Involved:: Accounting for Managerial Decisions

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	3	1	3	3	1	0	2	2	3	0	1	0	1	1	1.92
CO2	0	3	0	3	3	0	2	3	0	1	2	1	2	0	2	2.09
CO3	2	0	2	3	2	0	1	2	3	2	1	0	3	0	2	2.08
CO4	0	2	2	0	2	2	0	1	2	0	3	3	2	2	0	2.09
PO Avg	2.00	2.67	1.67	3.00	2.50	1.50	1.50	2.00	2.33	2.00	2.00	1.67	2.33	1.50	1.67	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Implement the financial statements and its performance evaluation in an organization.	2.42	
CO2	Execute financial ratios for better understanding of the position of an organization.	2.4	
CO3	Evaluate of Cash inflows and Cash outflows by preparing Cash flow Statement	2.42	
CO4	Execute the Manufacturing organization by estimating the requirements of working Capital ,techniques of Credit policy and methods of Credit Evaluation	2.39	

COURSE-10: Strategic Management - UBMSFSIII.6

Subjects Involved:: Strategic Management

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	1	2	2	0	1	1	1	2	1	0	2	0	2	2	1.58
CO2	3	0	3	2	1	2	2	0	2	2	1	2	2	3	0	2.00
CO3	0	2	0	2	0	3	2	3	1	2	0	0	3	0	1	2.10
CO4	3	1	0	1	1	1	0	3	0	0	2	3	1	1	0	1.82
PO Avg	3.00	1.33	2.50	1.75	1.00	1.75	1.67	2.33	1.67	1.67	1.50	2.33	2.00	2.00	1.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the concept of Strategy and importance of Strategic intent.	2.93	
CO2	Recognize various aspects of business and connect the business environment and different levels of strategies used in the organization.	2.93	
CO3	Identify which strategy analysis to choose and implement in their business.	2.94	
CO4	Judge strategies and design the change in the environment effectively.	2.93	

COURSE-11: Equity and Debt Market - UBMSFSIII.1.03

Subjects Involved:: Equity and Debt Market

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	3	1	2	3	1	0	2	0	3	1	0	0	3	2	2.10
CO2	1	2	2	2	1	3	3	0	3	3	3	2	2	3	2	2.27
CO3	0	0	3	1	0	2	2	3	1	0	3	0	3	2	0	2.10
CO4	2	1	2	2	1	0	1	1	3	3	2	3	2	0	2	1.92
PO Avg	1.50	2.00	2.00	1.75	1.67	2.00	2.00	2.00	2.33	3.00	2.25	2.50	2.33	2.67	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the Evolution of Financial Markets.	2.93	
CO2	Define the concepts & dynamics of the Equity Market.	2.93	
CO3	Define the concept of Debt Market.	2.93	
CO4	Determine the Value of Equity & Bonds.	2.93	

COURSE-12: Corporate Finance - UBMSFSIII.1.04

Subjects Involved:: Corporate Finance

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	3	0	1	0	2	2	1	1	0	2	2	0	0	1.80
CO2	1	3	0	1	3	0	3	3	0	3	2	3	0	1	2	2.27
CO3	3	2	1	3	0	2	3	2	3	3	0	2	3	3	1	2.38
CO4	2	0	2	2	3	1	0	3	1	2	1	1	0	0	0	1.73
PO Avg	2.00	2.33	2.00	2.00	2.33	1.50	2.67	2.50	1.67	2.25	1.50	2.00	2.50	2.00	1.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define the concept of Corporate Finance.	2.93	
CO2	Calculate the capital structure & different types of leverages.	2.93	
CO3	Calculate the working of Time Value of Money.	2.93	
CO4	Express the knowledge regarding sources & mobilization of funds.	2.93	

COURSE-13: Advertising - UBMSFSIII.1.07

Subjects Involved:: Advertising

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	3	1	2	2	3	2	2	0	2	1	1	2	0	1.92
CO2	2	0	3	0	0	3	0	2	0	3	3	0	0	2	2	2.44
CO3	0	2	2	0	3	2	3	1	3	0	1	2	3	2	0	2.25
CO4	0	2	1	3	1	1	3	2	2	2	0	2	0	3	0	2.00
PO Avg	2.00	2.00	2.25	2.00	2.00	2.00	3.00	1.75	2.33	2.50	2.00	1.67	2.00	2.25	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain advertising, its evolution, its different types and the ethics and laws used in advertising.	2.95	
CO2	Classify strategy formulation and planning process in advertising and its role in marketing mix.	2.96	
CO3	Describe a creative advertisement campaign by making use of the different elements of advertising.	2.97	
CO4	Define the knowledge about the advertising budget, and career opportunities in advertising.	2.93	

COURSE-14: Consumer Behavior - UBMSFSIII.1.05

Subjects Involved:: Consumer Behavior

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	1	3	2	2	0	2	1	0	2	1	0	0	2	3	1.82
CO2	1	0	3	3	3	2	0	3	0	2	2	2	2	3	0	2.42
CO3	3	2	2	2	0	3	3	2	0	1	0	2	1	2	2	2.08
CO4	2	0	2	1	2	1	1	0	2	3	3	3	0	3	0	2.17
PO Avg	2.00	1.50	2.50	2.00	2.33	2.00	2.00	2.00	2.00	2.00	2.00	2.33	1.50	2.50	2.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the concept of consumer behaviour and value its application in marketing.	2.44	
CO2	Identify consumer needs and their various determinants like personality, attitude, perception, learning theories.	2.41	
CO3	Analyze the impact of environmental factors on consumer behaviour with reference to family, social class, group dynamics and culture.	2.41	
CO4	Identify different types of consumer decision making models and develop a process of diffusion and adoption.	2.4	

COURSE-15: Business Communication - 1 - UBMSFSI.4

Subjects Involved:: Business Communication - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	3	2	1	0	1	2	2	1	0	1	3	0	1	1.64
CO2	3	3	3	0	2	0	1	0	0	2	3	2	2	2	3	2.42
CO3	2	2	0	1	0	1	2	1	2	0	3	1	1	2	2	1.69
CO4	3	2	1	1	2	0	2	2	2	1	0	0	3	2	0	1.91
PO Avg	2.25	2.33	2.33	1.33	1.67	1.00	1.50	1.67	2.00	1.33	3.00	1.33	2.25	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Apply the theory of communication and its strategies to communicate effectively.	2.79	
CO2	Identify Communication Barriers and develop solutions to overcome them	2.79	
CO3	Write effective business letters and develop their own Statements of Purpose.	2.78	
CO4	Edit their writing, compose paragraphs, and interpret technical data	2.79	

COURSE-16: Foundation Course - 1 - UBMSFSI.5.1

Subjects Involved:: Foundation Course - I

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	1	0	2	0	2	0	0	0	3	1	0	3	0	2.00
CO2	1	2	1	1	0	2	0	3	3	3	0	3	0	2	2	2.09
CO3	0	2	1	0	0	1	2	0	0	1	2	0	1	0	3	1.56
CO4	3	0	0	2	0	1	1	3	0	1	0	0	2	1	1	1.70
CO5	2	0	0	3	3	1	0	2	2	0	3	2	1	0	2	2.10
PO Avg	2.00	2.00	1.00	2.00	2.50	1.25	1.67	2.67	2.50	1.67	2.67	2.00	1.33	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the multi-cultural diversity of Indian society through its demographic composition, linguistic diversity and regional variations.	0.18	
CO2	Explain the concept of disparity due to Social Stratification, explore the violence against women and appreciate the inequalities faced by disable people.	0.18	
CO3	Comprehend inequalities manifested due to the caste system and understand inter-group conflicts arising out of communalism, regionalism, linguism	0.18	
CO4	Describe the philosophy of the Indian Constitution, understand the structure of it and its fundamental duties to the Indian Citizen.	0.18	
CO5	Interpret the party system in Indian Politics and judging the role and significance of women in politics.	0.18	

COURSE-17: Business Research Methods

Subjects Involved:: Business Research Methods

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	2	0	0	0	0	0	3	0	0	0	2.00
CO2	0	1	0	0	0	0	0	0	2	0	0	0	0	0	3	2.00
CO3	0	0	1	0	0	0	0	2	0	0	0	0	0	3	0	2.00
CO4	1	0	0	0	2	0	0	0	0	0	2	0	0	0	0	1.67
PO Avg	1.00	1.00	1.00	0	2.00	2.00	0	2.00	2.00	0	2.00	3.00	0	3.00	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define a range of quantitative and / or qualitative research techniques to business and management problems / issues		
CO2	Explain research approaches, techniques and strategies in the appropriate manner for managerial decision making		
CO3	Demonstrate knowledge and understanding of data analysis and interpretation in relation to the research process		
CO4	Develop research report and understand the ethics related to creating research report		

COURSE-18: Principles of Marketing UBMSFSII.1

Subjects Involved:: Principles of Marketing

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	0	0	2	0	0	1	0	0	2	0	0	2	0	0	2.00
CO2	0	0	2	0	0	1	0	0	2	0	0	0	2	0	1	1.60
CO3	0	0	1	0	0	2	0	0	2	0	0	2	0	0	0	1.75
CO4	1	0	2	0	0	2	0	2	0	0	0	0	2	0	0	1.80
PO Avg	2.00	0	1.67	2.00	0	1.67	1.00	2.00	2.00	2.00	0	2.00	2.00	0	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Annotate marketing as an activity and function		
CO2	Categorize micro and macro environment of business		
CO3	Interpret various elements of marketing mix used by business organizations		
CO4	Detect new trends in marketing and approaching market in the same manner		

COURSE-19: Principles of Management UBMSFSII.7

Subjects Involved:: Principles of Management

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	2	0	0	0	0	0	3	0	0	0	0	2.00
CO2	0	1	0	0	0	0	0	2	0	0	0	0	3	0	0	2.00
CO3	1	0	0	0	0	2	0	0	0	0	0	2	0	0	0	1.67
CO4	1	0	0	0	0	0	0	0	0	2	0	0	0	0	2	1.67
CO5	0	1	0	0	2	0	0	0	0	0	0	0	0	3	0	2.00
PO Avg	1.00	1.00	0	0	2.00	2.00	0	2.00	0	2.00	3.00	2.00	3.00	3.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define managerial functions like planning, and have same basic knowledge on international aspect of management		
CO2	Describe the planning process in the organization		
CO3	Describe the concept of organization		
CO4	Demonstrate the ability to directing ,leadership and communicate effectively		
CO5	Examine issues and formulate best control methods		

COURSE-20: Industrial Law UBMSFSII.2

Subjects Involved:: Industrial Law

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	2	0	3	0	0	0	2	0	0	3	0	2.17
CO2	0	0	1	0	0	0	0	2	0	0	1	0	0	0	0	1.33
CO3	1	0	0	0	0	0	2	0	0	0	0	0	0	2	0	1.67
CO4	0	1	0	0	0	0	0	0	2	0	0	0	2	0	0	1.67
CO5	1	0	0	2	0	0	0	0	0	2	0	0	0	0	0	1.67
CO6	1	0	0	0	0	2	0	0	0	0	0	0	0	0	2	1.67
PO Avg	1.00	1.00	1.00	2.00	2.00	2.00	2.50	2.00	2.00	2.00	1.50	0	2.00	2.50	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Classify the concept related to Industrial relations and Industrial disputes		
CO2	Define the concepts & dynamics laws related to Health, Safety and Welfare		
CO3	Summarize the process of Social legislation and interpret administration and determination of dues		
CO4	Summarize laws related to Compensation Management		
CO5	Interpret the various provisions regarding health, safety & welfare of workers.		
CO6	Inter relate the various definitions under factories act.		

COURSE-21: Business Mathematics UBMSFSII.3

Subjects Involved:: Business Mathematics

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	2	0	0	0	0	0	0	0	0	3	0	0	2.00
CO2	0	1	0	0	0	2	0	0	0	0	3	0	0	0	0	2.00
CO3	0	0	1	0	0	0	0	0	2	0	0	0	0	3	0	2.00
CO4	1	0	0	0	0	0	0	2	0	0	0	0	2	0	0	1.67
PO Avg	1.00	1.00	1.00	2.00	0	2.00	0	2.00	2.00	0	3.00	0	2.50	3.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Estimate Elementary Financial mathematics concepts of Interest, Annuity, Functions, Permutation and Combination.		
CO2	Interpret mathematical terminology of Matrices and Determinants in order to be prepared for future coursework in business and mathematics.		
CO3	Calculate derivatives in Minima,Maxima, Revenue, Cost and Profit function, and Price Elasticity applicable in commercial Aspects.		
CO4	Estimates the Finite differences in Interpolation.		

COURSE-22: Business Communication - II UBMSFSII.4

Subjects Involved:: Business Communication - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	0	2	0	0	0	0	0	3	0	0	2.00
CO2	0	0	1	0	0	2	0	0	0	0	0	3	0	0	0	2.00
CO3	1	0	0	0	0	0	0	2	0	0	0	0	0	0	3	2.00
CO4	0	1	0	0	0	0	2	0	0	0	0	0	1	0	0	1.33
PO Avg	1.00	1.00	1.00	0	0	2.00	2.00	2.00	0	0	0	3.00	2.00	0	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Implement the strategies of presentations		
CO2	Compare types of interviews and the ways to face them		
CO3	Construct letters for RTI inquiry, Claims, and Consumer Grievance		
CO4	Determine the types of reports and writing them		

COURSE-23: Foundation Course - II UBMSFSII.5.1

Subjects Involved:: Foundation Course - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	0	2	0	0	0	2	0	0	0	0	1.67
CO2	0	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1.67
CO3	0	1	0	0	2	0	0	0	0	0	0	0	2	0	0	1.67
CO4	1	0	0	2	0	0	0	3	0	0	0	0	0	0	0	2.00
CO5	0	0	1	0	0	2	0	0	0	0	0	3	0	0	0	2.00
PO Avg	1.00	1.00	1.00	2.00	2.00	2.00	2.00	3.00	2.00	0	2.00	3.00	2.00	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Associated with impact of globalized industry with regard to changes in employment and increasing migration and explain the real scenario which has resulted in rise of corporate farming and increased farmer suicides		
CO2	Acquainted with the concept, origin and evolution of human rights and also the fundamental rights stated in the Constitution.		
CO3	Linked with environment, ecology and their interconnectedness. Relate environmental degradation, its impact and the need for sustainable development.		
CO4	Interpreted the various factors contributing to stress and conflicts in individuals and the society.		
CO5	Prepared with different methods of responding to conflicts and coping with stress in contemporary society.		

COURSE-24: Business Environment UBMSFSII.6

Subjects Involved:: Business Environment

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	2	0	0	0	0	0	3	0	0	0	0	2.00
CO2	0	1	0	0	0	0	0	2	0	0	0	0	3	0	0	2.00
CO3	0	1	0	0	0	0	2	0	0	0	0	3	0	0	0	2.00
CO4	1	0	0	0	0	2	0	0	0	0	0	0	0	3	0	2.00
PO Avg	1.00	1.00	0	0	2.00	2.00	2.00	2.00	0	0	3.00	3.00	3.00	3.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the concept of the overall business environment and evaluate all the internal and external environments..		
CO2	Analyze the political and legal environment in different sectors, concepts & challenges of business and indian economy.		
CO3	Analyze the social, cultural, technological, and competitive environment in different sectors, analysis and concepts of business environment and indian economy.		
CO4	Apply & the study of international environment and foreign markets such as GATT, WTO, Globalization, LPG, MNC, FDI in detail.		

COURSE-25: Foundation Course - IV UBMSFSIV.3.01

Subjects Involved:: Foundation Course (Ethics and Governance)- IV

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	2	0	0	0	0	0	0	2	0	0	1.67
CO2	0	1	0	0	0	0	0	1	0	0	0	2	0	0	0	1.33
CO3	1	0	0	2	0	0	0	0	0	0	3	0	0	0	0	2.00
CO4	1	0	0	0	2	0	0	0	0	0	0	0	0	3	0	2.00
PO Avg	1.00	1.00	0	2.00	2.00	2.00	0	1.00	0	0	3.00	2.00	2.00	3.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the concept of ethics and evaluate the introduction to business ethics in detail.		
CO2	Analyze and Evaluate the ethics in marketing, finance and HRM in detail.		
CO3	Interpret the concept of corporate governance and Analyze all the theories and trends in corporate governance.		
CO4	Explain Corporate Social Responsibility in detail and understand the different concepts, segments and areas of CSR.		

COURSE-26: Information Technology in Business Management - II

Subjects Involved:: Information Technology in Business Management - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	2	0	0	0	0	0	3	0	0	0	0	2.00
CO2	1	0	0	0	0	0	2	0	0	0	0	0	0	2	0	1.67
CO3	0	1	0	0	0	2	0	0	0	0	0	0	2	0	0	1.67
CO4	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2	1.33
PO Avg	1.00	1.00	0	0	2.00	2.00	2.00	1.00	0	0	3.00	0	2.00	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Paraphrase major functional systems of Management Information System		
CO2	Interpret concepts like ERP, E-CRM, E-SCM		
CO3	Articulate Data warehouse and Data mining		
CO4	Examine need for outsourcing and its scope in business		

COURSE-27: Business Economics - II UBMSFSIV.5

Subjects Involved:: Business Economics - II

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	2	0	0	0	0	0	0	3	0	0	2.00
CO2	0	1	0	0	0	0	0	2	0	0	0	0	0	3	0	2.00
CO3	1	0	0	2	0	0	0	0	0	3	0	0	0	0	0	2.00
CO4	0	1	0	0	0	0	2	0	0	0	0	3	0	0	0	2.00
PO Avg	1.00	1.00	0	2.00	0	2.00	2.00	2.00	0	3.00	0	3.00	3.00	3.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define what macroeconomics is and Compute different measures of national income. Depict the circular movement of money between firms/producers, households, the government and international trade.		
CO2	Recognize and judge the causes of inflation and represent the measures of monetary policy control credit and inflation in the economy.		
CO3	Indicate the role of the government in solving various economic problems and prepare the structure of the budget.		
CO4	Compare the different theories of international trade and explain the basis of trade.		

COURSE-28: Production and Total Quality Management UBMSFSIV.6

Subjects Involved:: Production and Total Quality Management

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	2	0	0	0	0	0	2	0	0	0	1.67
CO2	0	1	0	0	0	0	0	2	0	0	0	0	0	3	0	2.00
CO3	1	0	0	0	0	0	2	0	0	0	0	0	3	0	0	2.00
CO4	1	0	0	0	2	0	0	0	0	0	0	0	0	0	3	2.00
PO Avg	1.00	1.00	0	0	2.00	2.00	2.00	2.00	0	0	0	2.00	3.00	3.00	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the concepts of Production Management		
CO2	Use the concepts & ideas of Material Management		
CO3	Apply the basics of Productivity & TQM		
CO4	Retrieve the theory of Quality Improvement Strategies & Certificates		

COURSE-29: Auditing UBMSFSIV.1.02

Subjects Involved:: Auditing

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	2	0	0	0	0	3	0	0	0	0	2.00
CO2	0	1	0	0	0	0	0	0	2	0	0	0	0	3	0	2.00
CO3	1	0	0	0	0	0	0	2	0	0	0	0	3	0	0	2.00
CO4	0	1	0	0	0	0	2	0	0	0	0	0	0	0	2	1.67
PO Avg	1.00	1.00	0	0	0	2.00	2.00	2.00	2.00	0	3.00	0	3.00	3.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain and Analyze the basic concept of auditing, its objectives & various types of Frauds & Errors		
CO2	Describe the need for audit plan, audit program and audit working papers		
CO3	Practice the various audit techniques such as test check and audit sampling.		
CO4	Compare various concepts under internal control and internal audit. Explain verification & Vouching of expenses, incomes, assets & liabilities.		

COURSE-30: Corporate Restructuring UBMSFSIV.1.04

Subjects Involved:: Corporate Restructuring

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	0	2	0	0	0	0	0	3	0	0	2.00
CO2	0	1	0	0	0	0	0	0	2	0	0	0	0	0	2	1.67
CO3	1	0	0	0	0	2	0	0	0	0	0	0	0	3	0	2.00
CO4	0	0	1	0	0	0	0	0	0	0	2	0	0	0	2	1.67
PO Avg	1.00	1.00	1.00	0	0	2.00	2.00	0	2.00	0	2.00	0	3.00	3.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Summarize Corporate Restructuring forms & formulation .		
CO2	Exemplify sums on schemes of Internal Reconstruction		
CO3	Exemplify sums on schemes of External Reconstruction		
CO4	Summarize changes in the internal/external aspects after reorganisation.		

COURSE-31: Integrated Marketing Communication UBMSFSIV.1.05

Subjects Involved:: Integrated Marketing Communication

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	2	0	0	0	0	0	0	3	0	0	2.00
CO2	0	1	0	0	0	0	0	0	0	2	0	0	0	0	3	2.00
CO3	1	0	0	0	0	0	0	2	0	0	0	3	0	0	0	2.00
CO4	0	1	0	0	2	0	0	0	3	0	0	0	0	0	0	2.00
PO Avg	1.00	1.00	0	0	2.00	2.00	0	2.00	3.00	2.00	0	3.00	3.00	0	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Infer reasons for growth of Integrated Marketing Communication (IMC)		
CO2	Deduce Advertising and Sales promotion as an IMC tool		
CO3	Measure results of Direct marketing, Publicity and Sales Promotion in promotion of products		
CO4	Assess promotional tools and current trends in IMC		

COURSE-32: Rural Marketing UBMSFSIV.1.06

Subjects Involved:: Rural Marketing

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	0	0	0	2	0	0	0	3	0	0	2.00
CO2	0	1	0	0	0	2	0	0	0	0	0	3	0	0	0	2.00
CO3	1	0	0	0	0	0	0	0	0	2	0	0	0	0	2	1.67
CO4	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	1.33
PO Avg	1.00	1.00	0	0	1.00	2.00	0	0	2.00	2.00	0	3.00	3.00	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the concept of rural marketing and development & evaluate all the problems and strategies of rural marketing.		
CO2	Analyze the rural market and consumers in different factors of the rural market environment as a whole.		
CO3	Evaluation of marketing mix, product strategies, pricing strategies, promotional strategies, branding, packaging, labeling, competitions, targeting, positioning and segmentation in overall rural marketing mix.		
CO4	Analyze the rural marketing strategies and Application or Study of distribution strategies and communication strategies for rural consumers.		

PROGRAM-6: BSC CS

Academic Classes Involved: SYBSC CS A, SYBSC CS B, FYBSC CS A, TYBSC CS , FYBSC CS B

OBE Courses Mapped: Green Technologies_SYCS, Web Technologies_SYCS, Java based Application Development_SYCS, Advanced Database Concepts_SYCS, Data Structures_SYCS, Linear Algebra_SYCS, Principles of Operating Systems_SYCS, Introduction to Programming with Python_FYCS, Descriptive Statistics_FYCS, Discrete Mathematics_FYCS, Open Source Technologies_FYCS, LINUX Operating System_FYCS, Soft Skills_FYCS, Digital Systems & Architecture_FYCS, USIT401 CJ, USIT402 IES, USCS201 DAA, USCS202 APP, USIT403 COST, USCS203 OOPS, USCS204 DBS, USCS403 SE, USCS205 CALC, USCS206 SM, USCS207 EDM, USIT405 CGA, USCS401 TOC, USCS402 CN, USCS404 IOT, USCS405 AAD, USCS406 ADAD, USCS4072 ME, USIT404 SE, USIT201 OOPS, USIT202 MICRO, USIT203 WAD, USIT204 NM

PO SUMMARY

PO Name	PO Statement	PO Attainment Value	PO Corrective Measures
PO1	Disciplinary Knowledge: Apply the knowledge of mathematics, computer science and Information Technology fundamentals to find solutions of real time problems with different applications.	1.08	
PO2	Effective Communication Skills: Communicate effectively on complex activities with the end users and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	0.65	
PO3	Critical thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, testing out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.	0.98	
PO4	Problem Solving: Identify, formulate, research literature, and analyse various research and real time application scenarios reaching substantiated conclusions using first principles of mathematics, computer sciences, and information technology.	1.41	
PO5	Analytical Reasoning: Develop ability to analyse a problem, identify and define applications that resolves the end user requirement with respect to real time problems with appropriate consideration for the societal, and environmental considerations.	1.06	
PO6	Research Related Skills: Use research-based knowledge and research methods to investigate the problems that cannot be solved by straightforward application of knowledge, theories and techniques; that may not have a unique solution, which need to be defined (modelled) within appropriate mathematical framework/ scientific derivation/ global technological evolutions.	1.45	
PO7	Environment and Sustainability: Understand the impact of the scientific applications and solutions in societal and environmental contexts, and demonstrate the knowledge of green computing and need for sustainable development.	1.22	
PO8	Cooperation/ Teamwork: Function effectively as an individual, and as a member or team leader in diverse cross functional groups and in multidisciplinary settings.	1.2	
PO9	Information/Digital Literacy: Create, select, and apply appropriate techniques, resources, and modern tools including prediction and modelling to complex activities with an understanding of the limitations.	1.2	
PO10	Ethics: Apply ethical principles and commit to professional ethics & responsibilities and norms of technological and sustainable development.	1.22	
PO11	Self-directed and Life-long Learning: Recognize the need for and have the preparation and ability to engage independent and lifelong learning in the broadest context of global technological evolution.	1.35	

PO12	Leadership Readiness/Qualities: Demonstrate knowledge and understanding of the Computer Science, Information Technology and Management principles and apply these to one's own work, as a member and leader in a team, to manage research and application projects and in multidisciplinary environments.	1.27	
PSO1	Demonstrate technical knowledge and illustrate the required skills for software development with the help of basic hardware components. Apply standard software engineering practices and strategies in the development using open-source programming environment.	1.27	
PSO2	Develop the skills of logical thinking, analytical thinking & acquire essential skills of both verbal as well as non-verbal communication.	0.95	
PSO3	Apply concepts of wired, wireless, embedded and IoT systems for demonstrating innovative solutions with consideration to real-time applications. Develop knowledge of basic concepts of computer network, security and software testing.	1.52	
PSO4	Acquaint with contemporary issues, latest trends in technological evolution and thereby develop new ideas and design new solutions to existing problems.	1.17	

COURSE-1: Green Technologies_SYCS

Subjects Involved:: Green Technologies

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	1	1	2	3	3	2	2	3	3	3	2	1	2	2.13
CO2	1	2	1	1	1	2	2	2	1	2	2	2	1	2	2	1.63
CO3	1	1	2	1	1	2	2	1	2	2	2	2	1	1	2	1.56
PO Avg	1.33	1.33	1.33	1.00	1.33	2.33	2.33	1.67	1.67	2.33	2.33	2.33	1.33	1.33	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define the concept of Green Computing and Green IT infrastructure for making computing and information system environments sustainable.	1.32	
CO2	Describe the importance of green organization. Recite green IT strategies, metrics and measurements.	1.31	
CO3	Explain the need for a Green Information System and staying green.	1.32	

COURSE-2: Web Technologies_SYCS

Subjects Involved:: Web Technologies, Web Technologies Practical

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	1	0	0	0	0	0	0	0	2	0	1	1.20
CO2	0	0	0	0	1	0	0	0	0	0	0	0	2	2	1	1.50
CO3	1	0	0	0	1	0	0	0	1	0	0	0	2	0	3	1.67
PO Avg	1.00	0	0	0	1.00	0	0	0	1.00	0	0	0	2.00	2.00	1.67	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define HTML5 & CSS, identify different tags, properties, attributes etc. and explain the implementation of HTML5 & CSS in designing the websites or web applications.	9.86	
CO2	Memorize javascript concepts like popup boxes, methods, operators, properties, Document object model, browser object model and apply these concepts for making a dynamic website. Describe XML document structure, advantages and disadvantages of XML and summarize DTD documents along with its types and other terms.	9.85	
CO3	Describe and use ajax methods for asynchronous handling requests. Explain server-side scripting language i.e. PHP and use the concepts along with MySQL for database connectivity and interactions with data. Demonstrate the multiple jQuery concepts like selectors, manipulators and events	9.84	

COURSE-3: Java based Application Development_SYCS

Subjects Involved:: Java based Application Development, Java based Application Development Practical

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	1	1	1	0	0	0	1	1	1	0	2	1	0	1.20
CO2	2	1	1	1	1	0	0	0	1	1	1	0	2	1	1	1.18
CO3	2	1	1	1	1	0	0	0	1	1	1	0	2	1	1	1.18
PO Avg	2.00	1.00	1.00	1.00	1.00	0	0	0	1.00	1.00	1.00	0	2.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the concept of Java, Java Virtual Machine, Application Programming Interface, Object Oriented Concepts Demonstrate basic concepts of Packages,, Exception Handling with User-defined Exceptions, Multithreading	10.19	
CO2	Define the concept of Collection Framework, JFC Swing API Components along with Printing 2D API and Java Print Service API Define and demonstrate the concept of Event Handling using Delegation Event Model, JDBC Architecture, Driver	10.19	
CO3	Demonstrate the concepts of Servlet, Servlet Life Cycle, Types of Servlet, Types of Servlet Events, Servlet Configuration with deployment development descriptor and Session Management, the concepts of JSP, JSP Architecture.	10.18	

COURSE-4: Advanced Database Concepts_SYCS

Subjects Involved:: Advanced Database Concepts

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	1	2	2	0	0	0	2	1	0	1	3	2	0	1.70
CO2	2	1	1	2	2	0	0	0	2	1	0	1	3	2	0	1.70
CO3	2	1	2	2	2	0	0	0	2	1	0	1	3	2	0	1.80
PO Avg	2.00	1.00	1.33	2.00	2.00	0	0	0	2.00	1.00	0	1.00	3.00	2.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe PI/SQL and use their different control structures for data management. Define sequences, procedures and use this concept for manipulating data in databases with methods to create, execute, alter and view.	7	
CO2	Identify various collections and records in the database. Describe cursor, static and dynamic SQL techniques for data management. Describe and classify exception handling in PL/SQL data management	7.01	
CO3	Describe the concepts of triggers Define the concept of triggers and use this concept for manipulating data in databases with methods to create, insert, delete, update and view.. Explain the concept of Transaction Management and Crash recovery.	6.99	

COURSE-5: Data Structures_SYCS

Subjects Involved:: Data Structures

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	0	0	2	1	0	0	0	0	3	3	3	2	0	0	2.43
CO2	0	0	2	3	2	0	0	0	0	0	0	0	1	1	0	1.80
CO3	3	1	0	3	3	2	0	0	2	0	0	0	3	0	2	2.38
PO Avg	3.00	1.00	2.00	2.67	2.00	2.00	0	0	2.00	3.00	3.00	3.00	2.00	1.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Apply different types of data structures such as array, linked list, stack, queue, tree, graph, hash table.	8.44	
CO2	Differentiate between which data structures to be used based on the type of the problem.	8.43	
CO3	Apply combined knowledge of algorithms and data structures to write highly effective programs in various domains.	8.43	

COURSE-6: Linear Algebra_SYCS

Subjects Involved:: Linear Algebra, Linear Algebra Practical

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	1	2	3	2	1	1	1	2	2	2	2	2	2	3	1.94
CO2	3	1	2	3	2	1	1	1	2	2	2	2	2	2	3	1.94
CO3	2	1	1	2	2	2	1	2	2	2	2	2	2	1	3	1.81
PO Avg	2.67	1.00	1.67	2.67	2.00	1.33	1.00	1.33	2.00	2.00	2.00	2.00	2.00	1.67	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain algebraic & geometric representation of vectors in and their operations including addition, scalar multiplication & dot product. Describe properties of linear systems using vectors.	9.84	
CO2	Recall the concept & properties of matrices. Perform & Interpret matrix operations. Interpret & compute the determinants of matrices & implement it in the concept of linear dependence & basis.	9.85	
CO3	Identify the properties of inner product space in comparison with a Euclidean n-space, interpret basic concepts of norm, orthogonality of vectors in an inner product space. State the eigenvalues & eigenvectors of a matrix & Compute the eigenvalues along with its corresponding eigenvectors.	9.83	

COURSE-7: Principles of Operating Systems_SYCS

Subjects Involved:: Principles of Operating Systems, Principles of Operating Systems Practical

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	1	1	1	0	0	0	0	0	0	0	1	1	0	1.14
CO2	2	1	1	2	1	0	0	0	0	0	0	0	1	1	0	1.29
CO3	2	1	1	1	2	0	0	0	1	0	0	0	1	1	1	1.22
PO Avg	2.00	1.00	1.00	1.33	1.33	0	0	0	1.00	0	0	0	1.00	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the main components of the Operating System, its structure and its functionality. Explain process management policies and identify the requirements for process synchronization and coordination handled by the OS.	5.55	
CO2	Explain and apply process scheduling algorithms. Describe deadlock prevention and recovery techniques.	5.53	
CO3	Describe memory management and its allocation policies. Describe, use and evaluate the storage management policies with respect to storage management techniques.	5.53	

COURSE-8: Introduction to Programming with Python_FYCS

Subjects Involved:: Introduction to Programming with Python, Introduction to Programming with PythonPractical

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	1	1	1	0	0	0	1	0	0	0	2	1	0	1.25
CO2	2	1	1	2	2	0	0	0	1	0	0	0	2	1	1	1.44
CO3	2	1	2	2	2	1	0	0	2	0	0	0	2	1	2	1.70
PO Avg	2.00	1.00	1.33	1.67	1.67	1.00	0	0	1.33	0	0	0	2.00	1.00	1.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the Python syntax and semantics and be fluent in the use of Python statements	5.6	
CO2	Memorize Python operators, Categorize functions and passing arguments, Solve problems based on compound data types, functions and arrays.	5.62	
CO3	Determine the method to create and manipulate Python programs by utilizing the strings, lists, dictionaries, tuples.	5.59	

COURSE-9: Descriptive Statistics_FYCS

Subjects Involved:: Descriptive Statistics

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	1	1	3	2	1	0	1	2	1	2	2	2	0	1	1.71
CO2	2	1	1	2	2	1	0	1	2	1	2	2	3	1	2	1.67
CO3	2	1	1	2	2	1	0	1	2	1	2	2	2	1	2	1.60
PO Avg	2.33	1.00	1.00	2.33	2.00	1.00	0	1.00	2.00	1.00	2.00	2.00	2.33	1.00	1.67	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Present Statistical data in various Tabular forms and graphical methods. Relate Statistical Data using Basics techniques of R.	2.99	
CO2	Correlate Statistical Data using measures of Central tendency and Dispersion along with Skewness and Kurtosis measures.	2.97	
CO3	Interpret various relationships between variables using the Technique of correlation and regression.	2.98	

COURSE-10: Discrete Mathematics_FYCS

Subjects Involved:: Discrete Mathematics, Discrete Mathematics Practical

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	1	3	2	3	1	1	3	2	2	2	3	1	2	2.00
CO2	1	1	0	2	1	2	0	2	2	1	1	2	2	2	1	1.50
CO3	1	0	0	2	2	3	1	2	1	1	1	2	2	0	2	1.62
PO Avg	1.33	1.00	1.00	2.33	1.67	2.67	1.00	1.67	2.00	1.33	1.33	2.00	2.33	1.50	1.67	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define, describe the mathematical structures (relations, functions) and use them to model real life situations. Define Recurrence Relation, understand the relationship between a sequence & recurrence relation & solve linear homogeneous recurrence relations.	10.29	
CO2	Recall and illustrate practical applications of basic counting principles, permutations, combinations. Recognize Languages & Grammars and illustrate models of automata theory	10.29	
CO3	Define basic terminologies and develop an attitude to solve problems based on graphs, which are widely used in Computer Science. Describe basic terminologies & types of trees, perform various algorithms on binary trees	10.28	

COURSE-11: Open Source Technologies_FYCS**Subjects Involved::** Open Source Technologies, Open Source Technologies Practical**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	1	1	2	0	0	0	1	1	0	0	2	0	0	1.38
CO2	0	1	1	0	0	1	1	1	1	2	0	0	0	1	0	1.11
CO3	2	1	1	2	2	0	0	1	2	1	0	0	2	0	2	1.60
PO Avg	2.00	1.00	1.00	1.50	2.00	1.00	1.00	1.00	1.33	1.33	0	0	2.00	1.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define open source technology and express the concept of licensing in open source technology and implement the methodologies of open source technology, Distinguish between open source and free software.	10.24	
CO2	Memorize open source ethics and social and financial impacts, identify and contribute to open source projects.	10.28	
CO3	Differentiate between open source and closed source, Implement different open source projects.	10.28	

COURSE-12: LINUX Operating System_FYCS**Subjects Involved::** LINUX Operating System, LINUX Operating System Practical**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	1	0	1	0	0	0	1	0	0	0	2	1	0	1.29
CO2	2	1	1	1	1	0	0	0	1	0	0	0	2	1	2	1.33
CO3	2	1	1	2	2	0	0	0	2	0	0	0	3	1	1	1.67
PO Avg	2.00	1.00	1.00	1.50	1.33	0	0	0	1.33	0	0	0	2.33	1.00	1.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the history, philosophy and community of Linux. Describe Linux architecture and Explain packaging methods of Linux	6.28	
CO2	Explain session management, network management & various text editors. Describe various networking protocols, IP address and DNS.	6.3	
CO3	Describe basic commands & general- purpose utilities. Demonstrate running of scripts	6.35	

COURSE-13: Soft Skills_FYCS

Subjects Involved:: Soft Skills

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	1	1	0	0	0	1	0	0	1	1	1	2	0	1.22
CO2	0	3	1	1	0	0	0	2	1	0	1	1	1	2	1	1.36
CO3	0	2	1	1	0	0	0	2	1	1	1	1	1	1	1	1.17
PO Avg	0	2.33	1.00	1.00	0	0	0	1.67	1.00	1.00	1.00	1.00	1.00	1.67	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain various aspects of soft skills and learn ways to develop personality. Discuss the concept of soft skills and describe emotional intelligence	2.98	
CO2	Discuss the importance of communication today. Explain the importance and type of communication in personal and professional environments. Apply the academic skills and differentiate types of job interviews & group discussions.	2.97	
CO3	Explain the importance of leadership, team building, decision making and stress management.	2.96	

COURSE-14: Digital Systems & Architecture_FYCS**Subjects Involved::** Digital Systems & Architecture, Digital Systems & Architecture Practical**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	0	2	1	0	0	0	1	0	0	0	2	1	1	1.38
CO2	2	1	2	3	2	0	0	0	1	0	0	0	2	1	2	1.78
CO3	2	0	1	3	2	1	0	1	2	0	0	1	3	1	3	1.75
PO Avg	2.00	1.00	1.50	2.67	1.67	1.00	0	1.00	1.33	0	0	1.00	2.33	1.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Use the basic logic gates and various reduction techniques of digital logic circuits in detail and Recognize the design of the various functional units and components of computers.	6.68	
CO2	Identify the elements of modern instruction sets and their impact on processor design and Design Combinational and sequential circuits.	6.69	
CO3	Design synchronous circuits using FSM and analyze Asynchronous circuits and timing Analysis also Recognize the architecture and use of microcontrollers for the basic operations and simulate using simulation software.	6.68	

COURSE-15: USIT401 CJ

Subjects Involved:: Core Java

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	3	0	0	0	2	0	1	2	0	1	1.67
CO2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1.00
CO3	2	0	0	0	0	2	0	0	0	1	0	1	2	0	0	1.67
CO4	0	3	0	0	0	0	0	0	0	0	0	0	0	3	1	2.33
CO5	0	0	0	3	0	1	0	0	0	2	0	2	3	0	0	2.17
PO Avg	1.33	3.00	0	3.00	0	2.00	0	0	0	1.67	0	1.33	2.33	3.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Demonstrate the concept of Java, JVM, Java architecture & Java API, data types and illustrate their programming constructs and select the proper programming paradigms.		
CO2	Classify basic concepts of flow control iterations, Java classes and interpret the program logic.		
CO3	Identify and apply the concept of inheritance and Java packages.		
CO4	Construct and organize the concept of enumeration, arrays and multithreading.		
CO5	Categorize the logical aspects of exceptions and byte streams.		

COURSE-16: USIT402 IES**Subjects Involved::** Introduction to Embedded Systems**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	0	0	0	0	2	0	0	0	0	0	0	3	0	0	2.75
CO2	0	0	1	0	0	0	0	0	0	2	0	0	0	2	0	1.75
CO3	0	0	0	2	0	0	0	1	0	0	0	0	2	0	0	1.75
CO4	2	0	0	0	0	0	0	0	0	3	0	0	0	1	0	1.75
CO5	0	0	1	0	0	3	0	0	0	3	0	0	1	1	0	1.80
PO Avg	2.50	0	1.00	2.00	0	2.50	0	1.00	0	2.67	0	0	2.00	1.33	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Demonstrate Embedded systems and explain the core of embedded systems.		
CO2	Describe the hardware of Embedded systems.		
CO3	Apply the concepts of Microcontroller and develop 8051 programs in C.		
CO4	Analyse Embedded Systems with 8051 Microcontroller.		
CO5	Describe Real Time Operating System.		

COURSE-17: USCS201 DAA**Subjects Involved::** Design & Analysis of Algorithms**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	2	0	0	2	0	0	3	0	0	0	3	2	0	2.00
CO2	1	0	3	0	0	3	0	0	1	0	0	0	3	2	0	2.00
CO3	1	0	2	0	0	3	0	0	1	0	0	0	3	2	0	1.86
PO Avg	1.00	0	2.33	0	0	2.67	0	0	1.67	0	0	0	3.00	2.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define algorithm, Compare Algorithms and Examine various Algorithms, and implement basic data structures like array, list and stack.		
CO2	Determine applications of the data structures like solving linear equations, Categorize operations like searching, sorting, selection, pattern matching and recursion.		
CO3	Explain various algorithmic strategies like greedy, divide-n-conquer, dynamic programming, backtracking		

COURSE-18: USCS202 APP**Subjects Involved::** Advanced Python Programming**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	3	3	1	0	0	0	1	0	0	0	3	2	0	1.88
CO2	1	0	2	2	1	0	0	0	0	0	0	0	3	2	0	1.71
CO3	1	0	3	2	1	0	0	0	1	0	0	0	3	2	0	1.75
PO Avg	1.00	0	2.67	2.33	1.00	0	0	0	1.00	0	0	0	3.00	2.00	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the concepts of reading, writing and implementing other operations on files Python. Summarize the regular expression and handling exceptions for writing robust python programs.		
CO2	Classify basic concepts of SQL, Implement threading concept and multithreading in Python. Construct GUI design Programs and implement database interaction using Python.		
CO3	Identify and apply the concept of inheritance and OOPs		

COURSE-19: USIT403 COST**Subjects Involved::** Computer Oriented Statistical Techniques**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	2	0	0	0	3	0	0	2	0	0	2.20
CO2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	2.00
CO3	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1.67
CO4	0	0	1	0	0	0	0	0	0	0	0	2	0	0	3	1.75
CO5	1	0	0	0	0	3	0	0	0	0	0	0	1	0	1	1.40
PO Avg	2.00	0	1.00	0	0	2.50	0	0	0	2.00	0	2.00	1.33	0	2.33	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Demonstrate the Mean, Median, Mode, and Other Measures of Central Tendency and explain the Standard Deviation and Other Measures of Dispersion.		
CO2	Explain the Moments, Skewness, and Kurtosis and solve the Elementary Probability Theory & Elementary Sampling Theory.		
CO3	Apply and categorize the Statistical Estimation Theory, Statistical Decision Theory, Statistics in R.		
CO4	Illustrate the Small Sampling Theory and The Chi-Square Test.		
CO5	Solve the concepts of Curve Fitting, the Method of Least Squares and explain the Correlation Theory.		

COURSE-20: USCS203 OOPS**Subjects Involved::** Introduction to OOPs using C++**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	3	0	2	0	0	1	0	0	0	2	3	3	0	2.00
CO2	1	0	3	0	2	0	0	2	0	0	0	2	3	2	0	2.00
CO3	1	0	2	0	3	0	0	1	0	0	0	2	3	2	0	1.88
PO Avg	1.00	0	2.67	0	2.33	0	0	1.33	0	0	0	2.00	3.00	2.33	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Recall programming concepts, DataTypes, Data Input, Output and Operators. Illustrate Decision Making and Loops. Describe Arrays and Strings. Explain Unified Modeling Language Explain concept of Classes, Abstraction & Encapsulation		
CO2	Differentiate Constructors and Destructors with examples. Demonstrate various methods of working with objects. Explain the concept of Polymorphism. Modelling of Class Diagram		
CO3	Demonstrate the concept of Inheritance with examples. Construct Modelling Relationship in Class Diagram. Explain Runtime Polymorphism. Describe the concepts of Pointers. Explain File Handling in C++. Apply OOP concept to solve real life applications.		

COURSE-21: USCS204 DBS

Subjects Involved:: Database Systems

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	3	0	0	2	0	0	0	0	0	2	0	1	2.17
CO2	2	0	0	0	0	0	1	0	0	0	1	0	2	0	1	1.67
CO3	1	0	0	2	0	0	1	0	0	0	2	0	2	0	1	1.71
PO Avg	1.67	0	0	2.50	0	0	1.33	0	0	0	1.50	0	2.00	0	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Define Database Management System and Describe the features of data model. Explain and apply ER diagram concepts to the database. Execute various DDL, DML statements.		
CO2	Illustrate various relational data models, relational algebra and implement various functions, different types of joins and subqueries to the database.		
CO3	Apply normalization techniques of the database. Describe the various security mechanisms of the database. Explain views.		

COURSE-22: USCS403 SE

Subjects Involved:: Software Engineering

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	1	1	0	2	1	3	3	0	3	2	1	2	1	1.83
CO2	3	2	1	2	0	0	3	0	3	2	0	1	3	2	3	2.27
CO3	1	2	0	0	3	0	3	2	0	1	3	0	2	2	3	2.20
PO Avg	2.00	2.00	1.00	1.50	3.00	2.00	2.33	2.50	3.00	1.50	3.00	1.50	2.00	2.00	2.33	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the concept of software engineering and describe different stages of the software development life cycle. Describe different software process models. Draw different UML diagrams.		
CO2	Define architectural and user interface design. Use this concept for measurement and metrics. Explain software project management. Use this concept for software cost estimation.		
CO3	Describe risk management and software quality assurance. Explain verification and validation, levels of testing, white-box, black-box techniques for software testing.		

COURSE-23: USCS205 CALC

Subjects Involved:: Calculus

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	2	0	1	0	0	3	0	0	0	2	0	1	0	1	1.71
CO2	0	2	0	1	0	0	1	0	0	0	2	0	3	0	2	1.86
CO3	0	2	0	1	0	0	2	0	0	0	2	0	2	0	3	2.00
PO Avg	0	2.00	0	1.00	0	0	2.00	0	0	0	2.00	0	2.00	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Recall function, limits of functions, Continuity and differentiability of functions. Define and calculate Increasing, Decreasing and Extrema of functions.		
CO2	Solve the Problems on Area between two curves, Length of Plane Curve. Find the difference between Linear differential and Homogeneous differential equations.		
CO3	Describe and discuss the function of two or more variables, limits and continuity and partial derivatives. Evaluate Directional derivatives and Gradients.		

COURSE-24: USCS206 SM

Subjects Involved:: Statistical Methods

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	0	0	2	0	0	1	0	0	0	3	0	0	2	1	2.14
CO2	3	0	0	2	0	0	1	0	0	0	2	0	0	2	1	2.00
CO3	3	0	0	2	0	0	1	0	0	0	2	0	0	2	1	2.00
PO Avg	3.00	0	0	2.00	0	0	1.00	0	0	0	2.33	0	0	2.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Recall the definition of sample space and events in probability. Explain the rules of probability and how it applies to mutually different types of events. Differentiate between a discrete random variable and a continuous random variable. Calculate the probability mass function or probability density function of a given random variable.		
CO2	Define the mathematical expectation & Variance for both the type of random variables and compute the same for concrete examples. Explain the fundamental concepts and properties of standard probability distributions. Apply different standard probability distributions, to solve problems in various fields.		
CO3	Define the concept of hypothesis testing and its role in statistical inference. Apply different statistical tests. Interpret statistical output and draw conclusions based on hypothesis tests. Use statistical software tools, such as R, and analyze the data to interpret the results.		

COURSE-25: USCS207 EDM**Subjects Involved::** E-Commerce & Digital Marketing**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	3	0	0	1	0	0	0	2	0	0	3	1	2	2.00
CO2	2	0	3	0	0	1	0	0	0	2	0	0	2	1	2	1.86
CO3	2	0	3	0	0	1	0	0	0	2	0	0	1	1	2	1.71
PO Avg	2.00	0	3.00	0	0	1.00	0	0	0	2.00	0	0	2.00	1.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the concept of overall e-commerce and e-business and evaluate the study of electronic payment systems, digital marketing and planning in detail.		
CO2	Analyze and Evaluate the concepts of social media marketing, email marketing, mobile marketing and content marketing as a whole.		
CO3	Analyze & evaluate the focus on search engine optimization, search engine marketing, web analytics and google analytics in detail and explain the study of overall report in e-commerce.		

COURSE-26: USIT405 CGA**Subjects Involved::** Computer Graphics and Animation**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	0	0	0	0	1	0	3	2	0	0	2.20
CO2	0	0	0	3	0	1	0	0	0	0	0	3	2	0	0	2.40
CO3	0	0	0	0	0	0	0	3	0	1	0	0	0	0	1	1.67
CO4	1	0	0	2	0	2	0	0	0	0	0	2	2	0	1	1.67
CO5	0	0	0	0	0	0	0	2	0	2	0	2	0	0	0	2.00
PO Avg	1.50	0	0	2.50	0	1.50	0	2.50	0	1.33	0	2.50	2.00	0	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the basic knowledge of Computer Graphics.		
CO2	Determine the graphic pipeline such as: 2d and 3d transformation, clipping, hidden surface removal etc.		
CO3	Implement various algorithms to scan, convert the basic geometrical primitives, Area filling.		
CO4	Express the understanding of mapping from world coordinates to device coordinates and projections.		
CO5	Explain the basic principles of animation.		

COURSE-27: USCS401 TOC

Subjects Involved:: Theory of Computation

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	1	0	0	3	0	0	0	2	0	0	1	0	2	2.00
CO2	2	0	1	0	0	3	0	0	0	1	0	0	1	0	2	1.86
CO3	2	0	1	0	0	3	0	0	0	2	0	0	1	0	2	2.00
PO Avg	2.00	0	1.00	0	0	3.00	0	0	0	1.67	0	0	1.00	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Recall the theoretical foundations of computer science from the perspective of formal languages. Illustrate finite state machines to solve problems in computing		
CO2	Explain the hierarchy of problems arising in the computer sciences. Recognize the concepts of Pushdown Automata.		
CO3	Describe Turing Machines and Summarize Unsolvable Problems		

COURSE-28: USCS402 CN**Subjects Involved::** Computer Networks**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	1	0	0	2	0	0	0	2	0	2	0	1	1.71
CO2	3	0	0	1	0	0	1	0	0	0	3	0	2	0	3	2.14
CO3	2	0	0	1	0	0	1	0	0	0	3	0	1	0	3	1.86
PO Avg	2.33	0	0	1.00	0	0	1.33	0	0	0	2.67	0	1.67	0	2.33	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Memorize the concepts of networking, Define TCP/IP and OSI models		
CO2	Summarise Network Layer and and relate IP address		
CO3	Determine Routing protocols and Client Server Protocols		

COURSE-29: USCS404 IOT

Subjects Involved:: IoT Technologies

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	1	0	0	0	3	0	0	2	0	2	0	3	2.29
CO2	2	0	0	1	0	0	0	3	0	0	3	0	1	0	3	2.14
CO3	2	0	0	1	0	0	0	3	0	0	1	0	1	0	3	1.86
PO Avg	2.00	0	0	1.00	0	0	0	3.00	0	0	2.00	0	1.33	0	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Recall the concept of SoC and IOT and various types of IOT platforms.		
CO2	Discuss the interfacing of various types of devices using different protocols with IOT.		
CO3	Recognize the concept of edge, fog and cloud computing along with practical application of IOT in the real life world.		

COURSE-30: USCS405 AAD**Subjects Involved::** Android Application Development**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	3	0	0	2	0	0	3	0	0	0	1	3	2	2.14
CO2	2	0	3	0	0	1	0	0	2	0	0	0	1	3	2	2.00
CO3	2	0	3	0	0	1	0	0	2	0	0	0	1	3	1	1.86
PO Avg	1.67	0	3.00	0	0	1.33	0	0	2.33	0	0	0	1.00	3.00	1.67	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify the components of Android and demonstrate the concept of Kotlin, packages and data types and illustrate the programming concepts		
CO2	Identify and build various layouts in Android seamless user interface for Android platform and illustrate various Android programming concepts		
CO3	Build and deploy mobile applications using android services and components		

COURSE-31: USCS406 ADAD**Subjects Involved::** Advanced Application Development**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	3	0	0	3	0	0	2	0	0	0	2	1	0	1.86
CO2	2	0	2	0	0	3	0	0	2	0	0	0	2	1	0	2.00
CO3	1	0	1	0	0	3	0	0	1	0	0	0	1	3	0	1.86
PO Avg	1.33	0	2.00	0	0	3.00	0	0	1.67	0	0	0	1.67	1.67	0	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Recognize and Illustrate all the necessary and important technologies such as MongoDB, Express.js, AngularJS, and Node.js.		
CO2	Demonstrate the concept of Express, RestAPI and Angular.js		
CO3	Apply modern app development using Flutter and Dart Programming		

COURSE-32: USCS4072 ME**Subjects Involved::** Management & Entrepreneurship**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	1	0	0	3	0	0	0	2	0	0	2	0	2	1.86
CO2	2	0	2	0	0	1	0	0	0	2	0	0	3	0	2	1.86
CO3	2	0	3	0	0	2	0	0	0	2	0	0	1	0	3	2.00
PO Avg	2.00	0	2.00	0	0	2.00	0	0	0	2.00	0	0	2.00	0	2.33	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Interpret the concept of overall management and their functions. and evaluate the study of planning, organizing and staffing in detail.		
CO2	Analyze entrepreneurship in different types, levels & classifications, interpret the concept of entrepreneurs and evaluate the study of directing and controlling in detail.		
CO3	Analyze & evaluate the focus on small scale industry in detail and apply or study of project report and preparations of project feasibility study as a whole.		

COURSE-33: USIT404 SE

Subjects Involved:: Software Engineering

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	0	0	1	0	0	2	0	2	3	0	1.80
CO2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2.00
CO3	2	0	0	0	3	0	0	1	0	0	0	0	2	1	1	1.67
CO4	0	0	1	0	0	0	0	0	0	0	1	0	0	2	1	1.25
CO5	3	0	0	0	2	0	0	0	0	0	1	0	1	0	1	1.60
PO Avg	2.00	0	1.50	0	2.50	0	0	1.00	0	0	1.33	0	1.67	2.00	1.25	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Demonstrate the concept of software engineering and illustrate functional and non-functional requirements and software methodologies.		
CO2	Determine requirement engineering process and illustrate the concept of object model, behavioural model and data model		
CO3	Distinguish between architectural and user interface design and identify the concept of project and quality management process		
CO4	Illustrate and categorize the difference between validation and verification and identify the concept of software testing and software measurement		
CO5	Identify and illustrate the process improvement process and software reuse		

COURSE-34: USIT201 OOPS**Subjects Involved::** Object Oriented Programming with C++**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	0	0	0	3	0	0	0	1	0	0	2.25
CO2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	2	2.50
CO3	0	0	3	0	0	2	0	0	2	0	1	0	0	0	0	1.80
CO4	1	0	0	0	1	3	0	0	0	0	0	0	3	0	2	1.83
CO5	1	0	0	0	2	0	0	0	1	0	3	0	0	0	0	1.60
PO Avg	1.33	0	3.00	0	1.50	2.50	0	0	2.00	0	2.00	0	2.00	0	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the concept of OOP and classify OOP and POP.		
CO2	Apply the concept of constructor and destructor. Construct and organize the concept of overloading of function, operator and constructor.		
CO3	Identify and apply the concept of inheritance, virtualization and I/O manipulators.		
CO4	Categorize the logical aspects of exceptions and streams.		
CO5	Categorize the new concepts of Standard Template Library		

COURSE-35: USIT202 MICRO**Subjects Involved::** Fundamentals of Microprocessor and Microcontrollers**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	3	0	0	0	2	0	0	2	0	0	1	1	0	1.86
CO2	0	0	2	0	0	0	1	0	0	0	0	0	0	0	2	1.67
CO3	0	0	1	0	0	0	0	0	0	1	0	0	2	0	3	1.75
CO4	1	0	0	0	1	0	0	0	0	0	0	0	0	1	3	1.50
CO5	1	0	0	0	1	0	0	0	0	3	0	0	1	0	0	1.40
PO Avg	1.33	0	2.00	0	1.00	0	1.50	0	0	2.00	0	0	1.33	1.00	2.67	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the basic concepts of Microprocessor and Microcomputer Systems.		
CO2	Describe the architecture and hardware aspects of 8085 and Classify 8085 instructions.		
CO3	Write assembly language programs in 8085.		
CO4	Describe the peripheral devices and interfacing to 8051 Micro Controller and Write 8051 C programs.		
CO5	Design Embedded Systems with 8051 Microcontroller		

COURSE-36: USIT203 WAD

Subjects Involved:: Web application Development

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	0	2	0	0	0	0	3	1	0	0	1.80
CO2	0	0	3	0	0	0	0	0	0	1	0	0	0	0	3	2.33
CO3	2	0	0	0	1	0	0	0	0	1	0	3	2	0	3	2.00
CO4	2	0	0	0	0	0	2	0	0	2	0	0	2	0	0	2.00
CO5	0	0	3	0	0	0	2	0	0	2	0	1	0	0	1	1.67
PO Avg	1.67	0	3.00	0	1.00	0	2.00	0	0	1.50	0	2.33	1.67	0	2.33	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify the emerging web technologies and apply this knowledge to create static/dynamic web page.		
CO2	Memorize and explain the implementation of HTML5, CSS and other HTML5 styling elements.		
CO3	Memorize, classify and use different elements of HTML5 page layout, navigation, table, forms and media.		
CO4	Memorize JavaScript operators, statements, properties, methods along with events.		
CO5	Explain and illustrate multiple PHP concepts like variable declaration, use of control statements, branching, looping, regular expression and many more.		

COURSE-37: USIT204 NM**Subjects Involved::** Numerical Methods**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	0	0	0	3	0	0	1	0	0	0	3	2	0	2.00
CO2	0	0	0	2	0	0	0	0	1	0	3	0	0	0	0	2.00
CO3	2	0	0	0	0	3	0	0	2	0	2	0	2	0	3	2.14
CO4	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2	1.25
CO5	3	0	0	1	0	2	0	0	2	0	0	0	1	0	1	1.71
PO Avg	2.00	0	0	1.33	0	2.67	0	0	1.50	0	2.00	0	2.00	2.00	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Demonstrate the Mathematical Model, Engineering Problem Solving, Taylor series and classify the types of errors.		
CO2	Develop the solutions of Algebraic and Transcendental Equations and apply Interpolation methods.		
CO3	Build the solution of simultaneous algebraic equations (linear) using iterative methods and Analyse Numerical differentiation and Integration.		
CO4	Identify the numerical solution of 1st and 2nd order differential equations and apply the Least-Squares Regression.		
CO5	Simplify the Linear Programming and solve Numerical Solutions of Partial Differential Equations.		

PROGRAM-7: BSC IT

Academic Classes Involved: SYBSC IT A, FYBSC IT- A, FYBSC IT- B, TYBSC IT-A, SYBSC IT B

OBE Courses Mapped: Programming Principles with C, Digital Logic and Applications, Fundamentals of Database Management Systems, Computational Logic and Discrete Structure, Technical Communication Skills, PYTHON, Data Structures, Computer Networks, Applied Mathematics, Operating Systems, USIT401 CJ, USIT405 CGA, USIT201 OOPS, USIT205 GIT

PO SUMMARY

PO Name	PO Statement	PO Attainment Value	PO Corrective Measures
PO1	Disciplinary Knowledge : Apply the knowledge of mathematics, computer science and Information Technology fundamentals to find of solutions of real time problems with different applications.	0.92	
PO2	Effective Communication Skills: Communicate effectively on complex activities with the end users and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	0.63	
PO3	Critical thinking : Take informed action safter identifying the assumptions that frame our thinking and actions, testing out the degree to which these assumptions are accurate and valid, and looking a tour idea sand decisions (intellectual ,organizational ,and personal) from different perspectives.	1.18	
PO4	Problem Solving: Identify, formulate, research literature, and analyse various research and real time application scenarios reaching substantiated conclusions using first principles of mathematics, computer sciences, and information technology.	0.85	
PO5	Analytical Reasoning : Develop ability to analyse a problem, identify and define applications that resolves the end user requirement with respect to real time problems with appropriate consideration for the societal, and environmental considerations.	0.88	
PO6	Research Related Skills : Use research-based knowledge and research methods to investigate the problems that cannot be solved by straight forward application of knowledge, theories and techniques; that may not have a unique solution, which need to be defined (modelled) within appropriate mathematical framework/ scientific derivation/ global technological evolutions.	1.07	
PO7	Environment and Sustainability: Understand the impact of the scientific applications and solutions in societal and environmental contexts, and demonstrate the knowledge of green computing and need for sustainable development.	1.08	
PO8	Cooperation/Teamwork : Function effectively as an individual, and as a member or team leader in diverse cross functional groups and in multidisciplinary settings.	0.72	
PO9	Information/Digital Literacy: Create, select, and apply appropriate techniques, resources, and modern tools including prediction and modelling to complex activities with an understanding of the limitations.	0.7	
PO10	Ethics: Apply ethical principles and commit to professional ethics & responsibilities and norms of the technological and sustainable development	0.87	
PO11	Self-directed and Life-long Learning: Recognize the need for and have the preparation and ability to engage independent and life long learning in the broadest context of global tech no logical evolution.	1.21	
PO12	Leadership Readiness/Qualities : Demonstrate knowledge and understanding of the Computer Science, Information Technology and management principles and apply these to one own work, as a member and leader in a team, to manage research and application projects and in multidisciplinary environments.	0.69	

PSO1	Demonstrate technical knowledge and illustrate the required skills for software development with the help of basic hardware components. Apply standard software engineering practices and strategies in the development using open-source programming environment.	0.8	
PSO2	Develop the skills of logical thinking, analytical thinking & acquire essential skills of both verbal as well as non-verbal communication.	0.91	
PSO3	Apply concepts of wired, wireless, embedded and IoT systems for demonstrating innovative solutions with consideration to real-time applications. Develop knowledge of basic concepts of computer network, security and software testing.	0.7	
PSO4	Acquaint with contemporary issues, latest trends in technological evolution and there by develop new ideas and design new solutions to existing problems.	0.65	

COURSE-1: Programming Principles with C

Subjects Involved:: Programming Principles with C

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	2	1	3	1	0	0	1	3	3	2	2	2	2	1.92
CO2	0	0	3	2	1	0	0	0	1	1	2	0	1	1	1	1.40
CO3	1	1	2	1	2	1	0	0	1	1	1	1	2	3	1	1.43
CO4	0	1	2	2	1	2	1	1	0	0	1	1	1	0	1	1.27
CO5	2	0	2	2	2	2	2	1	1	2	2	2	2	2	1	1.73
PO Avg	1.33	1.00	2.20	1.60	1.80	1.50	1.50	1.00	1.00	1.75	1.80	1.50	1.60	2.00	1.20	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the concept of algorithms, program characteristics, compiler, linker and pre-processor.	1.37	
CO2	Describe the types of operators, block structure and flow control of C program.	1.37	
CO3	Identify the functions, program structure and discuss various techniques to work on them.	1.36	
CO4	Analyse the concept of pointers & arrays and use these concepts for different programming aspects.	1.36	
CO5	Describe the structures & functions, arrays of structures, pointers to structures and file management.	1.36	

COURSE-2: Digital Logic and Applications

Subjects Involved:: Digital Logic and Applications

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	3	2	2	1	0	0	0	2	0	1	2	1	1	1.55
CO2	0	1	2	2	0	1	2	1	0	1	1	0	1	0	1	1.27
CO3	0	2	1	2	3	1	1	0	2	0	1	1	2	0	2	1.58
CO4	1	1	2	2	2	1	0	1	0	1	2	0	1	1	2	1.38
CO5	1	1	2	2	2	2	1	0	1	2	0	1	1	1	2	1.46
PO Avg	1.00	1.25	2.00	2.00	2.25	1.20	1.33	1.00	1.50	1.50	1.33	1.00	1.40	1.00	1.60	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the concept of number system and conversion of number system.	2.08	
CO2	Equate Boolean expression and reduce the expression by using various Boolean laws. To equate and simplify the Boolean expression using K map.	2.09	
CO3	Realize the concept of Combinational Logic and various types of Combinational circuits.	2.08	
CO4	Realize the working of latches and various types of flip flops.	2.08	
CO5	Design the circuit based on the concept of registers and counters.	2.08	

COURSE-3: Fundamentals of Database Management Systems

Subjects Involved:: Fundamentals of Database Management Systems

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	1	2	2	1	2	0	0	0	2	0	1	2	1	1	1.50
CO2	0	0	2	3	2	2	0	0	0	1	0	0	1	2	0	1.75
CO3	1	1	2	2	3	1	0	0	0	2	1	1	2	1	2	1.58
CO4	0	1	1	3	1	0	0	0	0	2	0	0	1	2	1	1.67
CO5	1	2	2	0	2	1	2	1	1	1	2	0	1	2	1	1.43
PO Avg	1.33	1.25	1.80	2.50	1.80	1.50	2.00	1.00	1.00	1.60	1.50	1.00	1.40	1.60	1.25	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify the basic concepts and various data models used in database design ER modelling concepts and architecture use and design queries using SQL.	1.37	
CO2	Apply relational database theory and be able to describe relational algebra expression, tuple and domain relational expression for queries.	1.36	
CO3	Recognize the use of normalization and identify functional dependency, indexing and hashing techniques used in database design.	1.35	
CO4	Recognize the purpose of query processing and identify optimization and also demonstrate the basics of query evaluation.	1.36	
CO5	Apply and relate the concept of transaction, concurrency control and recovery in the database and Discuss recovery system.	1.35	

COURSE-4: Computational Logic and Discrete Structure

Subjects Involved:: Computational Logic and Discrete Structure, Computational Logic and Discrete Structure Practical

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	2	2	2	2	0	1	0	2	0	1	0	1	1	1.45
CO2	0	1	3	1	1	1	0	2	1	1	0	1	2	1	2	1.46
CO3	1	1	2	0	0	2	1	0	1	2	1	0	2	2	2	1.55
CO4	0	0	2	2	2	1	0	0	0	1	2	1	1	1	1	1.36
CO5	1	1	0	1	2	2	1	0	1	2	1	1	2	0	1	1.33
PO Avg	1.00	1.00	2.25	1.50	1.75	1.60	1.00	1.50	1.00	1.60	1.33	1.00	1.75	1.25	1.40	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe various concepts of set theory, identify and explain various forms of relations	1.53	
CO2	Classify various types of functions, explain their properties, describe various concepts of probability, define random variables and implement the concept to describe binomial distribution.	1.54	
CO3	Explain and apply Techniques of Counting, interpret recurrence relations and solve them.	1.54	
CO4	Interpret various concepts of graphs and directed graphs, explain various algorithms and apply them to solve the problems.	1.53	
CO5	Illustrate various types of Binary Trees and use them to explain other concepts of binary trees, Ordered Sets and lattices.	1.54	

COURSE-5: Technical Communication Skills

Subjects Involved:: Technical Communication Skills, Programming Principles with C Pactical

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	2	1	0	1	0	0	2	2	2	1	2	2	2	0	1.75
CO2	2	2	2	1	1	1	1	1	1	2	1	0	2	0	1	1.38
CO3	3	2	1	1	2	2	1	1	2	1	1	1	1	1	2	1.47
CO4	2	2	2	2	1	2	2	1	2	1	2	0	1	2	1	1.67
CO5	1	2	3	2	2	3	1	2	1	2	3	1	2	1	1	1.81
PO Avg	2.00	2.00	1.80	1.50	1.40	2.00	1.25	1.40	1.60	1.60	1.60	1.33	1.60	1.50	1.25	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Demonstrate the process and theory of communication, Identify its forms and their barriers.	8.84	
CO2	Strategize to communicate effectively and apply communication in the workplace and design their own emails.	8.84	
CO3	Classify types of listening, process of job interviews and develop presentation skills.	8.82	
CO4	Build letters, reports and proposals and create resume.	8.82	
CO5	Explain the importance of ethics in business communication and create visual aids.	8.81	

COURSE-6: PYTHON

Subjects Involved:: Python Programming, Python Programming Practical

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	2	2	2	2	2	1	1	1	1	0	1	2	1	1	1.47
CO2	1	2	2	1	2	2	1	1	0	1	0	1	1	0	1	1.31
CO3	1	2	3	2	2	1	1	0	1	0	1	2	0	2	2	1.62
CO4	2	2	2	1	1	0	1	0	1	2	0	1	1	0	2	1.45
CO5	0	1	0	1	2	3	0	1	1	0	2	0	1	0	1	1.44
PO Avg	1.50	1.80	2.25	1.40	1.80	2.00	1.00	1.00	1.00	1.33	1.50	1.25	1.25	1.50	1.40	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Describe the variables & expressions in Python, recognize the Python Programming Constructs, experimental debugging and select the proper programming paradigms using conditional statements, control statements and looping.	8.44	
CO2	Demonstrate basic concepts of Python Functions and Strings.	8.46	
CO3	Analyze the concept of Lists, Tuples, Dictionaries, File and Exception Handling.	8.45	
CO4	Explain the various design applications of Regular Expression, Class and objects using OOP.	8.46	
CO5	Develop the design of Multithreaded Programming, Modules and Layout management, Storing Data in Database.	8.46	

COURSE-7: Data Structures
Subjects Involved:: Data Structures

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	2	2	2	2	0	0	1	2	0	0	2	2	1	1.73
CO2	0	1	3	1	2	2	1	0	1	1	0	1	1	1	1	1.33
CO3	1	0	1	2	2	1	2	1	0	1	1	0	1	1	2	1.31
CO4	2	0	2	2	2	3	1	0	1	0	1	0	1	1	0	1.64
CO5	0	1	1	2	2	1	0	1	0	1	0	1	1	2	2	1.33
PO Avg	1.33	1.00	1.80	1.80	2.00	1.80	1.33	1.00	1.00	1.25	1.00	1.00	1.20	1.40	1.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Classify the importance of Algorithms and data structures in becoming a more productive programmer. Select the suitable array structure for a real-world problem.	2.96	
CO2	Analyse the performance characteristics of Linked List using mathematical and measurement techniques.	2.96	
CO3	Identify the advantages and disadvantages of stack/queue implementations. Apply different operations of stack/queue for a real-world problem.	2.96	
CO4	Describe the usage of various sorting, searching techniques and tree structures along with different operations respectively.	2.97	
CO5	Choose, explain and apply various hashing and collision resolution techniques on data. Memorize terms associated with graphs and apply different graph operations and traversals.	2.95	

COURSE-8: Computer Networks

Subjects Involved:: Computer Networks

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	0	1	2	1	1	0	1	1	1	0	1	0	1	2	1	1.17
CO2	1	1	1	1	0	1	0	1	0	1	0	1	0	1	1	1.00
CO3	1	2	0	2	0	1	0	1	0	1	0	1	0	1	1	1.20
CO4	2	1	1	2	0	1	0	1	1	1	0	1	0	1	1	1.18
CO5	1	0	2	2	1	1	2	1	2	1	0	1	0	1	1	1.31
PO Avg	1.25	1.25	1.50	1.60	1.00	1.00	1.50	1.00	1.33	1.00	1.00	1.00	1.00	1.20	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain data communication, network models and Categorise Digital to analog transmission.	1.7	
CO2	Summarize bandwidth utilization, name different transmission media, error detection techniques like checksum, cyclic redundancy check and parity check, switching techniques.	1.71	
CO3	Apply the concepts of data link control, media access control, wireless LANs, connecting devices and virtual LANs.	1.71	
CO4	Explain network layer, unicast routing protocols and next generation IP.	1.7	
CO5	Demonstrate the functionality of transport layer and standard client server protocols.	1.7	

COURSE-9: Applied Mathematics

Subjects Involved:: Applied Mathematics

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	1	1	1	2	0	0	1	2	1	0	1	1	0	1.18
CO2	1	1	2	1	1	0	1	1	2	0	1	1	0	1	2	1.23
CO3	0	1	2	0	2	2	1	1	1	2	0	1	1	1	1	1.31
CO4	2	0	2	1	1	2	0	1	1	1	0	1	0	1	1	1.27
CO5	1	0	1	0	2	2	0	2	0	1	0	1	1	0	1	1.33
PO Avg	1.25	1.00	1.60	1.00	1.40	2.00	1.00	1.25	1.25	1.50	1.00	1.00	1.00	1.00	1.25	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Identify different types of matrices, Explain the concept of matrices and apply this knowledge to solve the linear equations.	2.96	
CO2	Describe the algebra of complex numbers, interpret the concept of the hyperbolic functions and solve logarithms of a complex number.	2.96	
CO3	Identify and distinguish various types of first order and first degree, first order and higher degree, and higher order differential equations and demonstrate various methods to solve them.	2.98	
CO4	Describe Laplace and inverse Laplace transform, explain their properties and apply them to solve the differential equations.	2.97	
CO5	Describe various methods to solve multiple integrals and use the concept to sketch the region and find area and volume of a solid. Explain gamma function, beta function, error function, differentiation under integral sign.	2.96	

COURSE-10: Operating Systems

Subjects Involved:: Operating Systems

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	1	0	2	1	0	1	0	1	1	1	1	2	2	1	1	1.23
CO2	0	1	1	2	2	1	0	0	1	0	1	1	0	1	1	1.18
CO3	1	1	1	1	2	0	1	0	1	0	1	1	1	1	1	1.08
CO4	0	1	2	3	1	1	0	0	0	0	1	0	0	1	0	1.38
CO5	1	0	1	0	1	1	0	1	0	1	0	1	1	1	1	1.00
PO Avg	1.00	1.00	1.40	1.75	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.25	1.33	1.00	1.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain Operating system with its objectives and understand its functionality, role and types and their services in Computer System. Analyze the concepts of processes & threads.	2.78	
CO2	Understand the threads - purpose, types and multithreading and knowing some issues in concurrency with Mutual exclusion & Critical section and Identify problems with solutions.	2.79	
CO3	Identify Deadlock situations and provide appropriate solutions with knowledge of methods of prevention and recovery from a system deadlock, so that protection and security of the operating system is maintained. Analyze Memory management techniques and Apply virtual memory concepts.	2.8	
CO4	Explain CPU scheduling algorithms to manage tasks and process synchronization techniques to achieve better performance of a computer system and illustration of the scheduling of processor for a given problem instance.	2.79	
CO5	Understand IO and File Management methods and allocation policies and Disk Scheduling with Operating System Security.	2.79	

COURSE-11: USIT401 CJ

Subjects Involved:: Core Java

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	0	0	1	0	2	1	0	0	0	0	0	3	2	2	1.88
CO2	0	2	0	0	2	0	0	0	1	0	1	0	0	0	0	1.60
CO3	0	2	0	0	0	2	0	2	0	0	0	0	0	0	2	2.00
CO4	1	0	3	0	0	0	0	0	0	2	0	0	0	0	0	2.00
CO5	0	0	0	0	0	0	0	2	0	0	0	1	0	3	0	2.00
PO Avg	2.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	1.00	2.00	1.00	1.00	3.00	2.50	2.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Demonstrate the concept of Java, JVM, Java architecture & Java API, data types and illustrate their programming constructs and select the proper programming paradigms.		
CO2	Classify basic concepts of flow control iterations, Java classes and interpret the program logic.		
CO3	Identify and apply the concept of inheritance and Java packages.		
CO4	Construct and organize the concept of enumeration, arrays and multithreading.		
CO5	Categorize the logical aspects of exceptions and byte streams.		

COURSE-12: USIT405 CGA**Subjects Involved::** Computer Graphics and Animation**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	3	1	1	0	0	0	1	1	1	1	1	0	2	0	0	1.50
CO2	3	0	0	2	3	0	0	0	0	0	0	0	2	0	3	2.60
CO3	3	0	0	3	0	0	0	0	0	0	0	0	3	1	3	2.60
CO4	3	0	0	3	3	0	0	0	0	0	0	0	3	0	3	3.00
CO5	2	0	0	2	2	1	0	0	0	0	0	0	2	2	1	1.71
PO Avg	2.80	1.00	1.00	2.50	2.67	1.00	1.00	1.00	1.00	1.00	1.00	0	2.40	1.50	2.50	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the basic knowledge of Computer Graphics.		
CO2	Determine the graphic pipeline such as: 2d and 3d transformation, clipping, hidden surface removal etc.		
CO3	Implement various algorithms to scan, convert the basic geometrical primitives, Area filling.		
CO4	Express the understanding of mapping from world coordinates to device coordinates and projections.		
CO5	Explain the basic principles of animation.		

COURSE-13: USIT201 OOPS**Subjects Involved::** Object Oriented Programming with C++**CO-PO MAPPING**

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	1	0	0	1	1	1	0	0	0	2	0	0	1.43
CO2	0	1	0	0	2	0	0	0	0	2	1	2	1	2	0	1.63
CO3	0	0	0	2	0	1	0	0	0	0	0	0	0	2	0	1.67
CO4	1	0	1	0	3	0	0	0	2	0	1	3	3	0	0	1.88
CO5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3.00
PO Avg	1.50	1.00	1.00	1.50	2.50	1.00	1.00	1.00	1.50	2.00	1.00	2.50	2.00	2.00	3.00	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the concept of OOP and classify OOP and POP.		
CO2	Apply the concept of constructor and destructor. Construct and organize the concept of overloading of function, operator and constructor.		
CO3	Identify and apply the concept of inheritance, virtualization and I/O manipulators.		
CO4	Categorize the logical aspects of exceptions and streams.		
CO5	Categorize the new concepts of Standard Template Library		

COURSE-14: USIT205 GIT

Subjects Involved:: Green IT

CO-PO MAPPING

Co Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO Avg
CO1	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	2.00
CO2	0	0	0	2	0	0	3	0	0	0	0	0	2	0	0	2.25
CO3	0	0	1	0	0	0	0	0	0	1	0	0	2	0	1	1.25
CO4	1	0	1	0	3	0	2	0	0	0	0	0	2	0	1	1.67
CO5	1	0	0	0	3	0	1	0	0	3	0	0	0	0	3	2.20
PO Avg	1.33	0	1.00	2.00	3.00	0	2.00	0	0	2.00	0	0	2.00	0	1.67	-

CO SUMMARY

CO Name	CO Statement	CO Attainments	CO Corrective Measures
CO1	Explain the concept of green technology, different standards of Regulation Green IT.		
CO2	Demonstrate the concept of minimizing power utilization in technology.		
CO3	Illustrate and apply the concepts about Green PC, notebook, server and green datacentre.		
CO4	Explain and apply the concept of recycling		
CO5	Classify and analyse the metrics for green IT		