RAJAGIRI COLLEGE OF SOCIAL SCIENCES (AUTONOMOUS)

PO-PSO Mapping to Course Outcomes

Department of Business Administration

Master of Business Administration

Department of Personnel Management

Master of Human Resource Management

Department of Social Work

Bachelor of Social Work

Master of Social Work

Postgraduate Diploma in Clinical Social Work and Counselling Practice

Department of Psychology

BSc Psychology

MSc Psychology

Department of Commerce

Bachelor of Commerce (Model 1 Finance & Taxation)

Bachelor of Commerce (Model 1 Computer Application)

Bachelor of Commerce (Model 2 (Vocational) Finance & Taxation)

Bachelor of Business Administration

Department of Library and Information Science Bachelor of

Library and Information Science

Master of Library and Information Science

Department of Computer Applications

Master of Computer Applications

Sem	Course	Course Outcomes	PLG1				PLG2		PLG3			PLG4			EQ or Rubric
			PLO1a	PLO1b	PLO1c	PLO1d	PLO2a	PLO2b	PLO3a	PLO3b	PLO3c	PLO4a	PLO4b	PLO4c	
I	Financial Accounting	Develop an understanding about the various financial statements, and how they are prepared		PLO1b											EQ
	Managerial Economics	Appreciate the market structures and figure out outputs of each market structure	PLO1a												EQ
	Managerial Communication	Help students understand the fundamentals of communication and their application in management context					PLO2b	PLO2b							Rubric
	Marketing I	Demonstrate the application of marketing programs that integrate product/service, pricing, communications and channel decisions							PLO3a						
	Rural Camp												PLO4b		
	Legal Environment of Business	Facilitate the participants to use the law as a tool to address their business issues.							PLO3a						Rubric
II	Organisational Behaviour	Understand the concepts in organizational behavior and be aware of how people behave individually, in groups and as part of organizations.								PLO3b					EQ
	Management Information System	Understand the design, development and implementation of information system								PLO3b					EQ
	Human Resources Management	Appreciate scientific thinking and sound reasoning for problem identification in HR. And, to help in developing a perspective to utilize and develop human potential.				PLO1d									Rubric
	Operations Management	Ability to identify and analyse issues pertaining to business situations and make informed decisions				PLO1d									Rubric
	Operations Research	Identify situations in which linear programming can be applied, to recognize and formulate the respective mathematical models. Also understanding of project network using PERT and CPM		PLO1b											E or R
	Corporate Finance	Comprehending the concepts of return and risk, CAPM and beta							PLO3a						
	Marketing Management II	The course also aims to make the student understand and appreciate the concept of marketing in theory and apply in practical situations			PLO1c										

Master of Business Administration (MBA)

Sem	Course	Description	PLO1a	PLO1b	PLO1c	PLO1d	PLO2a	PLO2b	PLO3a	PLO3b	PLO3c	PLO4a	PLO4b	PLO4c	
	Cost accounting	Distinguish relevant from irrelevant information in decision situations and explain the opportunity-cost concept and why it is used in decision-making				PLO1d									
	Business Research Methods	Help students to master the RM through undertaking research projects meaningfully		PLO1b											EQ
III	Business Ethics and Corporate Governance	Introduce the students to the ethical dilemmas they may have to face in various business situations with special reference to corruption, unfair trade practices and ethical issues relating to whistle blowing.										PLO4a			
	Environmental Management	Awareness of the serious challenge environmental problems pose to both our planet and our way of life										PLO4a		PLO 4c	
IV	Strategic Management	Use their conceptual knowledge to manage organizations effectively								PLO3b					EQ
			1	3	1	3	1	2	3	2	0	2	1	1	
Sem	Non assessed Courses		PLO1a	PLO1b	PLO1c	PLO1d	PLO2a	PLO2b	PLO3a	PLO3b	PLO3c	PLO4a	PLO4b	PLO4c	
I	Quantitative Methods for Management				PLO1c										
	Public Policy and Managerial Economics				PLO1c										
	Accounting for Management				PLO1c										
	Information Processing Using Computers				PLO1c										
	Industry Visits				PLO1c					PLO3b	PLO3c				
II	Financial management				PLO1c										
	Operations Research				PLO1c										
	Organizational Internship (Block)				PLO1c					PLO3b	PLO3c				
III	Database Management Systems					PLO1d									
	Organizational Internship (Concurrent)														
IV	Human Resource Information System				PLO1c										
	Software Project Management					PLO1d									
	Dissertation		PLO1a		PLO1c			PLO2b							

Sem	Course	Course Outcomes	PLG1				PLG2		PLG3			PLG4		
			PLO1a	PLO1b	PLO1c	PLO1d	PLO2a	PLO2b	PLO3a	PLO3b	PLO3c	PLO4a	PLO4b	PLO4c
I	Management Process and Organizational Behaviour	Analyse one's own personality with a view to making appropriate interpretation for the right HR assessment and to quip in undertaking behaviour assessment of people for the effective management of HR in organizations							PLO3a					
	Legal Environment of Business	Facilitate the participants to use the law as a tool to address their business issues			PLO1c									
	Business Communication	Train students for proficient oral communication					PLO2a	PLO2b						
	Business and Ethical Values	Help students in draft ethical policies in a business context						PLO2b						
II	Environment Management	Understand and develop a multidimensional perspective on business practices as they relate to environmental concerns											PLO4b	
	Marketing Management	The course also aims to make the student understand and appreciate the concept of marketing in theory and apply in practical situations			PLO1c									
	Operations Management	Equip participants with conceptual tools that can help them take initial steps to become effective problem solvers in the functional area	PLO1a											
	Human Resource Management	Develop the knowledge, skills and concepts needed to resolve actual human resource management problems or issues.	PLO1a											
	Research Methodology	Ignite their inquisitiveness and motivate them to undertake and promote research so as to help in the acquisition of knowledge in the field of management/business and allied areas when in profession	PLO1a											
	Management Information System	Apply information systems in strategic and tactical decision making in business			PLO1c									
	Global Business Environment	Appreciate the influence of globalization and internationalization to firms and consumers.	PLO1a											
	Manpower sourcing	Understand the issues related to manpower scouring and to identify different tools accordingly			PLO1c									
	Social Security and Employee Welfare	Make appropriate decisions in handling issues related to welfare of employees specially when it comes to legal binding with state and central labour law machineries based on the learning that takes place in the class room										PLO4a		

Sem	Course	Outcome	PLO1a	PLO1b	PLO1c	PLO1d	PLO2a	PLO2b	PLO3a	PLO3b	PLO3c	PLO4a	PLO4b	PLO4c
III	Human Resource Development	Understand how to identify training needs, design training programmes and evaluate them.								PLO3b				
	Performance Management and Reward Systems	Develop skills relating to design and implementation of appropriate performance management and reward systems	PLO1a											
	Industrial Relations	Know the theoretical foundations of trade union movement and understand the legal framework of operation, role and functions of employee unions in organizations						PLO2b						
	Management of Change and Organisational Development	Analyze/diagnose ongoing activities within an organization and; design and plan the implementation of selected OD interventions				PLO1d								
IV	Strategic HRM	Understand the linkages between HR practices, HR outcomes and organizational level outcomes		PLO1b										
	Employee Counseling	Acquire special knowledge, skill and competence of a counsellor in order to understand the problem of the other person in an organizational context.							PLO3a					
	Human Resource Accounting and Auditing	Understanding the basics of Human Resource Accounting and relevant approaches and HR costs			PLO1c									
	Global Human Resource Management	Appreciate the culture differences and diversity in different corporate settings									PLO3c			
Sem	**Non assessed Courses**		PLO1a	PLO1b	PLO1c	PLO1d	PLO2a	PLO2b	PLO3a	PLO3b	PLO3c	PLO4a	PLO4b	PLO4c
III	Database Management Systems					PLO1d								
	Organizational Internship (Concurrent)													
IV	Human Resource Information System				PLO1c									
	Software Project Management					PLO1d								

Sem	Course	Course Outcomes (CO)	PO1			PO2			PO3				PO4			Rubric
			PSO1a	PSO1b	PSO1c	PSO2a	PSO2b	PSO2c	PSO3a	PSO3b	PSO3c	PSO3d	PSO4a	PSO4b	PSO4c	
I	Introduction to Social Work	Understand the importance of professional values and ethics of social work practice											PSO4a			Rubric
	Basic Economic Concepts for Social Work	Identify economic factors involved in social problems			PSO1c											Not assessed
	Sociological Concepts for Social Work	Gain deeper insight into various social problems that causes social disorganization in the society and to explore possible remedies to counter them.			PSO1c											Rubric
	Communication Skills in English	Enable the students to communicate better in English										PSO3d				Rubric
	Field Practicum 1	Acquire a method of reflective and analytical learning and documenting them		PSO1b												Rubric
II	Social Work Intervention with Individuals	Understand the case work method and its application in practice	PSO1a													Rubric
	General Psychology	Enable the students to develop a theoretical perspective of understanding human development and behavior across the life span.			PSO1c											Rubric
	Developmental Psychology	Critically reflect on the implications for social work practice with people at different stages of human life			PSO1c											Rubric
	Field Practicum 2					PSO2a										Rubric
	Academic Writing, Critical Thinking and Presentation Skills	Enable the students to master the art of writing in English										PSO3d				Rubric
III	Social Work Practice with Groups	Familiarize with the principles, values and skills of social work practice with groups	PSO1a													Rubric
	Social Work Intervention in Communities	Get an indepth knowledge about the community organization process	PSO1a													Rubric
	Gandhian Philosophy and Social Work Practice	Understand the fundamentals of Gandhian philosophy and Gandhian Social Work											PSO4a			Rubric
	Management Basics for Social Welfare Administration	Develop a basic understanding about the management concepts and principles; and its relevance in social work practice	PSO1a													Rubric
	Field Practicum 3	Able to plan and implement activities in the field									PSO3c					Rubric
IV	Social Work Research and Statistics	Apply research and statistical concepts in preparing research proposals, data analysis and reporting					PSO2b									Rubric
	Community Health and Health Care Services	Analyze plans and policies/services in health and implications for development practice							PSO3a							Rubric
	Legal Information for Social Workers	Understand the nature of social legislation and the various laws for family, women, children and other marginalized groups							PSO3a							Rubric

Sem	Course	Objective	PSO1a	PSO1b	PSO1c	PSO2a	PSO2b	PSO2c	PSO3a	PSO3b	PSO3c	PSO3d	PSO4a	PSO4b	PSO4c	EQ/Ru
	Environmental Studies	Acquire an awareness of and sensitivity to the total environment and its allied problems													PSO4c	Rubric
	Field Practicum 4	Develop skills in intervening in the field effectively								PSO3b				PSO4b		Rubric
V	Rights and Welfare of Children	Enable the students to understand basic concepts, laws and deliberations realted to Child rights											PSO4a			Rubric
	Communication for Development	Acquire skill in designing communication strategies and its application in different settings for social change												PSO4b		Rubric
	Local Governance and Development	Gain an in depth understanding of the concepts of development and decentralised governance	PSO1a													Rubric
	Entrepreneurship	Identify the traits of successful entrepreneurs		PSO1b												Rubric
VI	Rural Development	Develop analytical skills to understand the rural socio economic structure in the context of social realities in India							PSO3a							Rubric
	Field Practicum 6	Develop skills in doing field practice using evidence				PSO2a										Rubric
	Social Work Dissertation	Able to conduct research and its dissemination by reporting					PSO2b	PSO2c								Rubric
Sem	**Non assessed Courses**		**PSO1a**	**PSO1b**	**PSO1c**	**PSO2a**	**PSO2b**	**PSO2c**	**PSO3a**	**PSO3b**	**PSO3c**	**PSO3d**	**PSO4a**	**PSO4b**	**PSO4c**	**EQ/Ru**
I & II	MS Office								PSO3a			PSO3d				Rubric
	Yoga								PSO3a							Rubric
II	Street Theatre										PSO3c					Rubric
III	PRA										PSO3c					Rubric
IV	TA				PSO1c				PSO3a							Rubric
V	SPSS						PSO2b									Rubric
V&VI	Entrance Coaching		PSO1a													Rubric
	Communicative English											PSO3d				Rubric
VI	Tally		PSO3a													Rubric

Sem	Course	Course Outcomes	Core (C) or Elective (E)	PO1				PO2				PO3				PO4		EQ or Rubric
				PSO1.1	PSO1.2	PSO1.3	PSO1.4	PSO2.1	PSO2.2	PSO2.3	PSO2.4	PSO3.1	PSO3.2	PSO3.3	PSO3.4	PSO4.1	PSO4.2	
I	Sociology and Economics for Social Work	Demonstrate adequate understanding of basic sociological concepts related to social groups and institutions	C													PSO4.1	PSO4.2	EQ
	Human Growth and Development	Understand the importance of developmental psychology in social work practice and be able to link with real life situations	C				PSO1.4					PSO3.1						EQ
	History philosophy and fields of Social Work	Identify the importance of professional values and ethics in social work practice	C	PSO1.1								PSO3.1						EQ
	Work with individuals	Demonstrate skills in intervention methods and develop therapeutic skills to apply the method in different settings	C or E					PSO2.1				PSO3.1						EQ
	Work with Communities	Demonstrate adequate understanding of contemporary practice models in community practice	C							PSO2.3						PSO4.1		EQ
	Field Practicum (Field based learning) - 1	Develop the ability to do interventions ensuring clients' participation	C	PSO1.1						PSO2.3								Rubric
II	Abnormal Psychology	Understand the basic personality theories	C or E															EQ or R
	Theory and Practice of Counselling	Understand and demonstrate ability in the skills and techniques of counselling	C or E	PSO1.1				PSO 2.1										EQ
	Work with groups	Understand meaning and importance of group dynamics and group leadership	C or E						PSO2.2			PSO3.1						EQ or R
	Social work research	Develop the appropriate skills to effectively implement the research methods and techniques in the field.	C or E											PSO3.3	PSO3.4			Simulation
	Statistics for social work	Appreciate and use techniques of quantitative analysis in social work research	C or E											PSO3.3	PSO3.4			Rubric
	Field Practicum (Field based learning) - 2	Develop the ability to do interventions ensuring clients' participation.	C	PSO1.1														Rubric
	Participatory programme planning and management	Provide practical experience on project preparation	C			PSO1.3						PSO3.1						EQ
	Administration of Human Service Organisations	Acquire knowledge and skills in leadership, administration and management of Service Organisations	C			PSO1.3												Rubric
	Rural and Urban Community Development	Competence in critical analysis of the problems and issues of people in Rural/Urban/ Tribal/Costal settings in India	E								PSO2.4		PSO 3.2				PSO4.2	EQ

Sem	Course	Course Outcome	Cat	PSO1.1	PSO1.2	PSO1.3	PSO1.4	PSO2.1	PSO2.2	PSO2.3	PSO2.4	PSO3.1	PSO3.2	PSO3.3	PSO3.4	PSO4.1	PSO4.2	EQ
III	Social Work Practice with Families	Develop knowledge and skills of working with families	E									PSO3.1						EQ
	Psychiatric information for Social Work	Demonstrate knowledge and skills of assessment in mental health settings	E								PSO2.4							EQ
	Environment and Disaster Management	Developing appropriate social work practice in tackling environmental problems	E											PSO3.3			PSO4.2	EQ
	Social Work Practice with children and youth	Acquire knowledge and skills in working with different section of youth and skills in organizing programmes for youth	E					PSO 2.1					PSO3.2			PSO4.1	PSO4.2	
	Social Work in the field of Health	Introduce interventions and skills needed for medical social work practice.	E				PSO1.4					PSO3.1	PSO3.2					
	Community Health for Development Practice	Equip the students with skills for development practice in community health sector	E			PSO1.3				PSO2.3					PSO3.4			
	Gender issues and women empowerment	Develop gender sensitive perspective to promote gender equality	E										PSO3.2			PSO4.1		
	Health care administration and community health	Equip the students with skills for development practice in community health sector	E			PSO1.3				PSO2.3							PSO4.2	
	Field Practicum (Field based learning) - 3	Be familiar with the approaches and intervention strategies in the field setting	C	PSO1.1														
IV	Laws related to social justice	Engage in policy practices for advancing human rights and socio-economic, political and environmental justice	C													PSO4.1	PSO4.2	
	Development Communication	Acquire basic skills in communication techniques for social work practice	C	PSO1.1							PSO2.4							
	Social entrepreneurship for development practioners	Demonstrate an in-depth understanding of the skills and strategies for social entrepreneurship	E		PSO1.2												PSO4.2	
	Population Dynamics and Programmes	Study the population policies and programmes at global and national levels	E		PSO1.2												PSO4.2	
	Social Work interventions in the field of mental health	Acquire knowledge and skill in the practice of Community Psychiatry and Rehabilitation	E									PSO3.1		PSO3.3				
	Social Action for community practice	Analyze contemporary social action movements in India	E		PSO1.2											PSO4.1		
	School social work	Demonstrate knowledge and skills in engaging and intervening with children in education setting	E									PSO3.1		PSO3.3				
	School mental health and social work practice	Demonstrate knowledge and skills in engaging and intervening with children in education setting	E									PSO3.1		PSO3.3				

	Field Practicum (Field based learning) - 3	Demonstrate oral, written and presentation skills of communication in a community context	C	PSO1.1													
	Dissertation	Conduct research using quantitative approach and report it complying professional standards	C											PSO3.3	PSO3.4		
	Field Practicum (Field based learning) -4	Get exposed to a multicultural setting and professional work culture	C	PSO1.1													

Sem	Course	Course Outcomes	PO1		PO2		PO3		PO4		EQ or Rubric
			PSO1a	PSO1b	PSO2a	PSO2b	PSO3a	PSO3b	PSO4a	PSO4b	
I	Foundations of Mental Health and Psychopathology	Demonstrate the ability to apply knowledge of psychological disorders in their counselling practice using diverse perspectives	PSO1a	PSO1b							Rubric
	Clinical Social Work Practice	Develop ability to analyze client problem from different perspectives	PSO1a	PSO1b							Rubric
	Process and Techniques of Counseling	Develop verbal and non verbal skills in counselling					PSO3a	PSO3b			Rubric
	Theoretical Approaches & Fields of Counseling	Develop foundational knowledge on theoretical approaches to counselling and psychotherapy	PSO1a			PSO2b					Rubric
	Field Practicum & Foundation Case Records	Able to use ethical principles in dealing with clients		PSO1b					PSO4a		Rubric
II	Behavioral & Cognitive Behavioral Approaches	Able to critically analyze the cases from cognitive and behavioural perspectives			PSO2a	PSO2b					Rubric
	Cognitive Analytic Therapy	Able to critically analyze the cases from a cognitive perspective									Rubric
	Positive Psychology & Strength's Based Practice	Understand the cases from a strengths perspective									Rubric
	Foundations of Child and Adolescent Counseling	Develop foundational knowledge on child mental health and related factors	PSO1a	PSO1b							Rubric
	Foundations of Marriage and Family Counseling	Develop foundational knowledge on marital happiness and adjustments	PSO1a	PSO1b							Rubric
	Foundations of Workplace and Wellness Counseling	Develop foundational knowledge on workplace issues and wellness counselling	PSO1a	PSO1b							Rubric
	Advanced Skills and Practice in Child and Adolescent Counseling	Demonstrate the ability to carry out interventions in counselling practice			PSO2a				PSO4a		Rubric
	Advanced Skills and Practice in Marriage and Family Counseling	Develop verbal and non verbal skills in individual and group counselling			PSO2a				PSO4a		Rubric
	Advanced Skills and Practice in Workplace Counseling	Develop verbal and non verbal skills in individual and group counselling			PSO2a				PSO4a		Rubric
	Field Practicum/Internship and Practice Case Records Comprehensive Viva	Understand and analyze non verbal behaviour of clients and oneself in practice				PSO2b				PSO4b	Rubric

Postgraduate Diploma in Clinical Social Work and Counselling (PGDCSW)

Sem	Course	Course Outcomes	PO1		PO2		PO3		PO4			PO5	
			PSO1a	PSO1b	PSO2a	PSO2b	PSO3a	PSO3b	PSO4a	PSO4b	PSO4c	PSO5a	PSO5b
I	Paper I (English)	Enable the students to communicate better in English				PSO2b							
	Paper II (English)	Enable the students to master the art of writing in English				PSO2b							
	Foundations and Methods of Psychology	Generate interst in Psychology and to understand and appreciate various perspectives in psychology and psychological processes of behaviour.	PSO1a	PSO1b									
	Body Systems and Behaviour	Understand the biological foundations of behaviour.	PSO1a	PSO1b									
	Basic Statistics- Paper I	Inculcate the need and importance of statistics in psychology	PSO1a	PSO1b					PSO4a	PSO4b	PSO4c		
II	Basic Cognitive Processes	Understand the psychological processes that contribute to individual differences and improve meta cognitive abilitites by applying memory techniques to improve academic performance.	PSO1a	PSO1b									
	Biological Basis of Behaviour	Understand the influence of physiological systems in human behaviour	PSO1a	PSO1b									
	Statistical Tools– Paper II	Equip with different statistical presentation of data.	PSO1a	PSO1b					PSO4a	PSO4b	PSO4c		
III	Living in the Social World (Core)	Understand the psychological processes behind human behaviour in social settings and various social phenomenon	PSO1a	PSO1b									
	Neurophysiology of Behaviour	Understand brain behaviour relationship	PSO1a	PSO1b									
	Statistical Methods and Elementary Probability	Equip with different statistical presentation of data.	PSO1a	PSO1b					PSO4a	PSO4b	PSO4c		
	Psychology Practical	Develop awareness of psychological instruments and techniques and provide basic training in planning and conducting experiments.					PSO3a	PSO3b					
IV	Social Interactions and Human Behaviour	Help in identifying implication of social psychology in everyday life and get an understanding on measuring human behavior	PSO1a	PSO1b									
	Biophysiology of Behaviour II-	Understand the branch of psycho-neuro immunology and physiological basis of basic processes.	PSO1a	PSO1b									
	Statistical Inference	Equip with different statistical presentation of data.	PSO1a	PSO1b					PSO4a	PSO4b	PSO4c		
	Psychology Practical	Observe and study social psychological phenomenon in everyday life situations.					PSO3a	PSO3b					

V	Abnormal Psychology	Develop awareness of about classificatory system and acquint with the meaning of abnormal behaviour, basic minor and major disoders and their causal patterns and treatment.	PSO1a	PSO1b	PSO2a	PSO2b								
	Foundations of Organizational Behavior	Learn concepts of human organizations and behaviour in organizartions.	PSO1a	PSO1b	PSO2a	PSO2b								
	Foundations of Organizational Behavior	Acquaint students with the nature and basic concepts of environmental psychology	PSO1a	PSO1b	PSO2a	PSO2b								
	Environmental Psychology and Human Rights	facilitate and expose the nature and process of counselling and its meaning and enable the to acquire sufficient knowledge in the area of counselling in order to apply in various walks of life.	PSO1a	PSO1b	PSO2a	PSO2b								
	Basics of Counselling Psychology / Life Skills Development	Develop scientific and experimental attitudes and basic training in planning and conducting a psychological experiment	PSO1a	PSO1b	PSO2a	PSO2b								
	Practical Experimental Psychology	Gain practical understanding of various methods in research	PSO1a	PSO1b				PSO3a	PSO3b					
	Project 1	Gain understanding about the causal pattern and the different therapeutic techniques in the management of personality, somatic symptom and dissociative disorders and the symptoms of childhood disorders, substance dependence and neurocognitive disorders.									PSO4a	PSO4b	PSO4c	
VI	Psychology of Maladaptive Behaviour	Understand the process and nature of child development and learn the process of child development and current theories of child development.	PSO1a	PSO1b	PSO2a	PSO2b								
	Child Development	Introduce topics like Leadership, Motivation, Power, Conflict, Negotiation in organizations and to learn strategies to Manage organizations more effectively.	PSO1a	PSO1b	PSO2a	PSO2b								
	Managing Behavior in Organizations	Develop the skills of testing and scientific reporting in psychology, analysis of psychological data and generate interest in working in the community with a psychological outlook	PSO1a	PSO1b	PSO2a	PSO2b								
	Health Psychology	Conduct a research from research problem to report.	PSO1a	PSO1b	PSO2a	PSO2b								
	Psychological Assessment	Familiarize with psychological instruments and tools	PSO1a	PSO1b				PSO3a	PSO3b					
	Project 2	Conduct a research from research problem to report.									PSO4a	PSO4b	PSO4c	

Sl No	Non- Credit Academic Programs		PSO1a	PSO1b	PSO2a	PSO2b	PSO3a	PSO3b	PSO4a	PSO4b	PSO4c	PSO5a	PSO5b
1	PEBL	Familiar with various psychological test administration and scoring.					PSO3a	PSO3b					
2	Community Visits & Intenships	Have an awareness of community problems and acquint with psychiatric problems.			PSO2a	PSO2b						PSO5a	PSO5b
3	Academic Independent Researchers												
4	Group Research (1st & 2nd Year)								PSO4a	PSO4b	PSO4c		
5	Nature Camp (1st Year)	Have awareness of nature										PSO5a	PSO5b
6	Rural Camp (1st Year)				PSO2a	PSO2b						PSO5a	PSO5b

Sem	Course	Course Outcomes	PO1		PO2		PO3		PO4		PO5			PO6		
			PSO1a	PSO1b	PSO2a	PSO2b	PSO3a	PSO3b	PSO4a	PSO4b	PSO5a	PSO5b	PSO5c	PSO6a	PSO6b	PSO6c
I	Cognitive Psychology	Develop critical understanding about theories and fundamental aspects of Cognitive Psychology	PSO1a	PSO1b												
	Personality and Personal development	Critically understand the different theoretical perspectives to the study of personality	PSO1a	PSO1b												
	Positive Psychology	Develop an understanding of the concept of positive psychology	PSO1a	PSO1b												
	Testing and Measurement in Psychology	Equip students in constructing psychological tests	PSO1a	PSO1b	PSO2a	PSO2b										
	Psychological Assessment (Practical)	Enhance the professional testing skills of students			PSO2a	PSO2b	PSO3a	PSO3b								
II	Psychology of intelligence Learning and Motivation	Explain different theoretical approaches to intelligence, learning, motivation and emotion	PSO1a	PSO1b												
	Health Psychology	Understand the role of psychology in health and wellbeing	PSO1a	PSO1b												
	Clinical Psychopathology	Help students to understand clinical features, etiology and management of different types of abnormal behavior	PSO1a	PSO1b												
	Research Methodology	Able to write research proposals, design research and be equipped in report writing. able to write research proposals, design research and will be equipped in report writing.	PSO1a	PSO1b							PSO5a	PSO5b	PSO5c			
	Psychodiagnostics	Develop knowledge on theory, procedure and application of various Psychological instruments.			PSO2a	PSO2b	PSO3a	PSO3b								
III	Principles of Neuropsychology	Enable the students to understand the basics of functional aspect of brain	PSO1a	PSO1b												
	Cognitive and Behavior Oriented Therapies	Able to recommend and apply suitable behavior modification techniques for children and adult maladaptive behaviours	PSO1a	PSO1b					PSO4a	PSO4b						
	Counseling Psychology	Equipped with major counseling skills	PSO1a	PSO1b												
	Clinical Psychology	Equipped to conduct different types of interview and assessment	PSO1a	PSO1b	PSO2a		PSO3a	PSO3b	PSO4a	PSO4b						
	Neuropsychological Assessment (Practical)	Learn comprehensive assessment of a wide range of cognitive and behavioural areas of functioning					PSO3a	PSO3b	PSO4a	PSO4b						
	Contemporary issues and Roles of Psychology in Social engineering	Apply psychological principles and methods to understand social issues and initiate techniques to change behaviour												PSO6a	PSO6b	PSO6c
	Clinical psychology	Learn how to promote mental health and prevent mental illness			PSO2a	PSO2b			PSO4a	PSO4b				PSO6a	PSO6b	PSO6c

Sl. No	Course	Outcome	PSO1a	PSO1b	PSO2a	PSO2b	PSO3a	PSO3b	PSO4a	PSO4b	PSO5a	PSO5b	PSO5c	PSO6a	PSO6b	PSO6c
IV	Psychotherapy	Understand the basic features of psychotherapeutic setting and identify the appropriate mode of therapy to be used in clinical settings							PSO4a	PSO4b						
	Internship based on specialization & Case Study	Apply theoretical knowledge in practice			PSO2a	PSO2b	PSO3a	PSO3b	PSO4a	PSO4b						
	Project/ Dissertation	Conduct a research from research problem to report.			PSO2a	PSO2b					PSO5a	PSO5b	PSO5c			

Sl. No	Non- Credit Academic Programs		PSO1a	PSO1b	PSO2a	PSO2b	PSO3a	PSO3b	PSO4a	PSO4b	PSO5a	PSO5b	PSO5c	PSO6a	PSO6b	PSO6c
1	PEBL	Familiar with various psychological test administration and scoring.			PSO2a	PSO2b										
2	Community Visits	Have an awareness of community problems					PSO3a	PSO3b						PSO6a	PSO6b	PSO6c
3	Researchers															
4	Group Research (1st Year)				PSO2a	PSO2b					PSO5a	PSO5b	PSO5c			
5	Nature Camp (1st Year)	Have awareness of nature														
6	Rural Camp (1st Year)	Have first hand experience of rural life and support rural population												PSO6a	PSO6b	PSO6c
7	Communicativ ENG	Improve oral and written communication skill					PSO3a	PSO3b								
8	Statistics and SPSS												PSO5c			

Bachelor of Commerce (Model 1 Finance & Taxation)

List of Subjects and Course Outcome- (AoL)Purpose			PLG1				PLG2		PLG3		
Course Code	**Course Title**	**Course Outcome**	**PLO1a**	**PLO1b**	**PLO1c**	**PLO1d**	**PLO2a**	**PLO2b**	**PLO3a**	**PLO3b**	**Rubrics**
Semeseter I											
Semeseter I	Language-English	Enable the students to speak English confidently and effectively in a wide variety of situations and help the students to improve their writing efficiency by refining strategies.					PLO2a	PLO2b			**Rubrics**
	Language-Second Language	Enable the student to acquire basic communicative skills in French to be of use to him in the business sphere.					PLO2a	PLO2b			**Not Assessed**
	Business Statistics	Understand the application of measures of central tendency and measures of dispersion and use various forecasting techniques for solving business problems.			PLO1c	PLo1d					**Not Assessed**
	Modern Banking	Identify the financial problems in business and to select appropriate banking services to cope up with the issues.		PLO1b							**Not Assessed**
	Business Regulatory Frame work	Enable the students to apply various provisions of business laws in business activities.				PLO1d					**Rubrics**
	Perspectives and Methodology of Business Studies	Understand business and its role in economy	PLO1a								**Not Assessed**
Semester II											
Semester II	Language-English	Our graduates will demonstrate proficiency in oral communication. Our graduates will demonstrate proficiency in written communication					PLO2a	PLO2b			**Rubrics**
	Language-Second Language						PLO2a	PLO2b			**Not Assessed**
	Quantitative Techniques for Business Research	Clarity on the theoretical and practical aspects of hypothesis testing.			PLO1c	PLO1d					**Rubrics**
	Principles of Insurance	Understand basic concepts of insurance, assurance and Insurance contract.								PLO3b	**Not Assessed**
	Corporate Regulations & Governance	Understand how a company has to be administered and its legal requirement .		PLO1b							**Rubrics**
	Business Communication and Management Information	Acquire basic insights on various strategies to be employed while communicating verbally and non-verbally. Equip the students to prepare C.V. and Resume.					PLO2a	PLO2b			**Rubrics**
Semester III											
Semester III	Language-English	Understand basic concepts of insurance, assurance and Insurance contract. Use English for formal communication effectively.					PLo2a	PLO2b			**Not Assessed**
	Marketing Management	Have an awareness of the different marketing concepts		PLO1b							**Rubrics**
	Financial Accounting	Enable the preparation of books of accounts			PLO1c	PLO1d					**Not Assessed**
	E-Commerce and General Informatics	Gain an understanding of basic concepts, theories, and business models underlying e-commerce		PLO1b							**Not Assessed**
	Business Management	Understand the various functions of business management	PLO1a	PLO1b							**Rubrics**

Semester	Course	Outcome	PLO1a	PLO1b	PLO1c	PLO1d		PLO2a	PLO2b		PLO3a	PLO3b	Assessment
	A. Finance& Taxation: Paper-I Financial Management	Make practical applications of capital structure			PLO1c								**Rubrics**
Semester IV													

Semester IV

Semester	Course	Outcome	PLO1a	PLO1b	PLO1c	PLO1d		PLO2a	PLO2b		PLO3a	PLO3b	Assessment
Semester IV	Language-English	Our graduates will demonstrate proficiency in oral communication. Our graduates will demonstrate proficiency in written communication.						PLo2a	PLO2b				**Not Assessed**
	Capital Market	Our graduates will be able to understand the functioning of business. Our graduates will be able to understand the business environment and to identify business problems	PLO1a	PLO1b									**Not Assessed**
	Corporate Accounting	Learn the significance and methodology of valuation of goodwill and shares of a company.			PLO1c	PLO1d							**Not Assessed**
	Entrepreneurship Development and Project	Identify the social issue in a given scenario and apply models or arguments to justify their resolution									PLO3a	PLO3b	**Rubrics**
		Perform their responsibilities with optimal use of available resources in a real-life social setting											**Rubrics**
	Financial Services	Identify the prevailing issues in the financial markets and find out appropriate strategies to resolve the same									PLO3a	PLO3b	**Not Assessed**
	A. Finance &Taxation: Paper-II	Our graduates will be able to perform their responsibilities with optimal use of available resources in a real-life social setting											**Rubrics**
	Goods and Services Tax											PLO3b	**Rubrics**

Semester V

Semester	Course	Outcome	PLO1a	PLO1b	PLO1c	PLO1d		PLO2a	PLO2b		PLO3a	PLO3b	Assessment
Semester V	Cost Accounting	Explain terms such as management accounting, cost accounting and financial accounting.			PLO1c	PLO1d							**Not Assessed**
	Special Accounting	Our graduates will be able to understand the methods of solving common business problems. our graduate will be able to apply appropriate quantitative and tools techniques to analyse business problems			PLO1c	PLO1d							**Not Assessed**
	Advertising and Sales promotion	Our graduates will be able to understand the business environment and to identify business problems.		PLO1b									**Rubrics**
	Open Course: Investment Management	Our graduates will be able to perform their responsibilities with optimal use of available resources in a real-life social setting										PLO3b	**Not Assessed**
	A. Finance &Taxation: Paper-III Income Tax-Law and Practice	The ability to participate collaboratively and effectively in teams to achieve the desired business objectives. (PLO3b)										PLO3b	**Rubrics**

Semester VI

Semester	Course	Outcome	PLO1a	PLO1b	PLO1c	PLO1d		PLO2a	PLO2b		PLO3a	PLO3b	Assessment
Semester VI	Applied Cost Accounting	Our graduates will be able to apply appropriate quantitative tools and techniques to analyze business problems. Our graduates will be able to understand methods of solving common business problems.			PLO1c	PLO1d							**Semester VI**
	Principles of Business Decisions	Our graduates will be able to understand the business environment and to identify business problems. Our graduates will be able to apply appropriate quantitative tools and techniques to analyze business problems.		PLO1b	PLO1c								**Rubrics**

Code	Course	Description									Rubrics
	Practical Auditing	Our graduates will be able to identify the social issue in a given scenario and apply models or arguments to justify their resolution.							PLO3a		**Rubrics**
	Accounting for Managerial Decisions	Give an idea and procedure about Fund flow and cash flow analysis.To equip the students to interpret financial statements.		PLO1c	PLO1d						**Rubrics**
Optional Course Paper-IV											**Rubrics**
CM06BBA01	**A. Finance &Taxation:** Paper-IV Income Tax-Assessment &Procedure	Our graduates will be able to perform their responsibilities with optimal use of available resources in a real-life social setting.								PLO3b	**Rubrics**

<table>
<tr><td colspan="12" align="center">**Bachelor of Commerce (Model 1 Computer Application)**</td></tr>
</table>

	List of Subjects and Faculty- (AoL)Purpose		PLG1				PLG2		PLG3		

Semeseter I										
Course Code	**Course Title**	**Course Outcome**	**PLO1a**	**PLO1b**	**PLO1c**	**PLO1d**	**PLO2a**	**PLO2b**	**PLO3a**	**PLO3b**	**Rubrics**
Semeseter I	Language-English	Enable the students to speak English confidently and effectively in a wide variety of situations. To help the students to improve their writing efficiency by refining strategies.					PLO2a	PLO2b			**Rubrics**
	Language-Second Language	Enable the student to acquire basic communicative skills in French to be of use to him in the business sphere.					PLO2a	PLO2b			**Not Assessed**
	Business Statistics	Understand the application of measures of central tendency and measures of dispersion. To use various forecasting techniques for solving business problems.			PLO1c	PLo1d					**Not Assessed**
	Modern Banking	Iidentify the financial problems in business and to select appropriate banking services to cope up with the issues.		PLO1b							**Not Assessed**
	Business Regulatory Frame work	Enable the students to apply various provisions of business laws in business activities.				PLO1d					**Rubrics**
	Perspectives and Methodology of Business Studies	Understand business and its role in economy	PLO1a								**Not Assessed**
											Rubrics
Semester II										
Semester II	Language-English	Our graduates will demonstrate proficiency in oral communication.PLO2b: Our graduates will demonstrate proficiency in written communication					PLO2a	PLO2b			**Rubrics**
	Language-Second Language						PLO2a	PLO2b			**Not Assessed**
	Quantitative Techniques for Business Research	Clarity on the theoretical and practical aspects of hypothesis testing.			PLO1c	PLO1d					**Rubrics**
	Principles of Insurance	Understand basic concepts of insurance, assurance and Insurance contract.								PLO3b	**Not Assessed**
	Corporate Regulations & Governance	Understand how a company has to be administered and its legal requirement .		PLO1b							**Rubrics**
	Business Communication and Management Information	Acquire basic insights on various strategies to be employed while communicating verbally and non-verbally. Equip the students to prepare C.V. and Resume.					PLO2a	PLO2b			**Rubrics**
Semester III										
Semester III	Language-English	Understand basic concepts of insurance, assurance and Insurance contract. Use English for formal communication effectively.					PLo2a	PLO2b			**Not Assessed**
	Marketing Management	Have an awareness of the different marketing concepts		PLO1b							**Rubrics**
	Financial Accounting	Enable the preparation of books of accounts			PLO1c	PLO1d					**Not Assessed**
	E-Commerce and General Informatics	Gain an understanding of basic concepts, theories, and business models underlying e-commerce		PLO1b							**Not Assessed**
	Business Management	Understand the various functions of business management	PLO1a	PLO1b							**Rubrics**

Semester	Course	Outcome	PLO1a	PLO1b	PLO1c	PLO1d	PLO2a	PLO2b	PLO3a	PLO3b	Assessment
	B. Computer Applications: Paper-I Information Technology for Business	Understand the role of information technology in bu**siness.**			PLO1c	PLO1d					**Rubrics**
Semester IV											
Semester IV	Language-English	Our graduates will demonstrate proficiency in oral communication.Our graduates will demonstrate proficiency in written communication.					PLo2a	PLO2b			**Not Assessed**
	Capital Market	Our graduates will be able to understand the functioning of business. Our graduates will be able to understand the business environment and to identify business problems	PLO1a	PLO1b							**Not Assessed**
	Corporate Accounting	Learn the significance and methodology of valuation of goodwill and shares of a company.			PLO1c	PLO1d					**Not Assessed**
	Entrepreneurship Development and Project	Identify the social issue in a given scenario and apply models or arguments to justify their resolution							PLO3a	PLO3b	**Rubrics**
		Perform their responsibilities with optimal use of available resources in a real-life social setting									**Rubrics**
	Financial Services	Identify the prevailing issues in the financial markets and find out appropriate strategies to resolve the same							PLO3a	PLO3b	**Not Assessed**
	B. Computer Applications: Paper-II Information Technology for Office*	Our graduates will be able to apply appropriate quantitative tools and techniques to analyze business problems. Our graduates will be able to understand the methods of solving common business problems.			PLO1c	PLO1d					**Rubrics**
Semester V											
Semester V	Cost Accounting	Explain terms such as management accounting, cost accounting and financial accounting. (PLO1d)			PLO1c	PLO1d					**Not Assessed**
	Special Accounting	Our graduates will be able to understand the methods of solving common business problems. Our graduate will be able to apply appropriate quantitative and tools techniques to analyse business problems			PLO1c	PLO1d					**Not Assessed**
	Advertising and Sales promotion	Our graduates will be able to understand the business environment and to identify business problems.		PLO1b							**Rubrics**
	Open Course: Investment Management	Our graduates will be able to perform their responsibilities with optimal use of available resources in a real-life social setting.								PLO3b	**Not Assessed**
	B. Computer Applications: Paper-III Computerised Accounting*	Our graduates will be able to apply appropriate quantitative tools and techniques to analyse business problems. Our graduates will be able to understand the methods of solving common business problems			PLO1c	PLO1d					**Rubrics**
Semester VI											

Semester	Course	Description										
Semester VI	Applied Cost Accounting	Our graduates will be able to apply appropriate quantitative tools and techniques to analyze business problems. Our graduates will be able to understand methods of solving common business problems.			PLO1c	PLO1d						**Semester VI**
	Principles of Business Decisions	Our graduates will be able to understand the business environment and to identify business problems. Our graduates will be able to apply appropriate quantitative tools and techniques to analyze business problems.		PLO1b	PLO1c							**Rubrics**
	Practical Auditing	Our graduates will be able to identify the social issue in a given scenario and apply models or arguments to justify their resolution.								PLO3a		**Rubrics**
	Accounting for Managerial Decisions	Give an idea and procedure about Fund flow and cash flow analysis.To equip the students to interpret financial statements.			PLO1c	PLO1d						**Rubrics**
	Optional Course Paper-IV											**Rubrics**
CM06BBA02	**B. Computer Applications:** Paper-IV	Our graduates will be able to apply appropriate quantitative tools and techniques to analyze business problems.										**Rubrics**
	Data Base Management System for Business*	Our graduates will be able to understand the methods of solving common business problems.			PLO1c	PLO1d						**Rubrics**

Bachelor of Commerce (Model 2 (Vocational) Finance & Taxation)										
List of Subjects and Faculty- (AoL)Purpose			PLG1				PLG2		PLG3	
Semeseter I										
Course Code	Course Title	Course Outcome	PLO1a	PLO1b	PLO1c	PLO1d	PLO2a	PLO2b	PLO3a	PLO3b	Rubrics
Semeseter I	Language-English	Enable the students to speak English confidently and effectively in a wide variety of situations. Help the students to improve their writing efficiency by refining strategies.					PLO2a	PLO2b			**Rubrics**
	Language-Second Language	Enable the student to acquire basic communicative skills in French to be of use to him in the business sphere.					PLO2a	PLO2b			**Not Assessed**
	Business Statistics	Understand the application of measures of central tendency and measures of dispersion. Use various forecasting techniques for solving business problems.			PLO1c	PLo1d					**Not Assessed**
	Modern Banking	Identify the financial problems in business and to select appropriate banking services to cope up with the issues.		PLO1b							**Not Assessed**
	Business Regulatory Frame work	Enable the students to apply various provisions of business laws in business activities.				PLO1d					**Rubrics**
	Perspectives and Methodology of Business Studies	Understand business and its role in economy	PLO1a								**Not Assessed**
											Rubrics
Semester II										
Semester II	Language-English	Our graduates will demonstrate proficiency in oral communication.Our graduates will demonstrate proficiency in written communication					PLO2a	PLO2b			**Rubrics**
	Language-Second Language						PLO2a	PLO2b			**Not Assessed**
	Quantitative Techniques for Business Research	Clarity on the theoretical and practical aspects of hypothesis testing.			PLO1c	PLO1d					**Rubrics**
	Principles of Insurance	Understand basic concepts of insurance, assurance and Insurance contract.								PLO3b	**Not Assessed**
	Corporate Regulations & Governance	Understand how a company has to be administered and its legal requirement .		PLO1b							**Rubrics**
	Business Communication and Management Information	Acquire basic insights on various strategies to be employed while communicating verbally and non-verbally. To equip the students to prepare C.V. and Resume.					PLO2a	PLO2b			**Rubrics**
Semester III										
Semester III	Language-English	Understand basic concepts of insurance, assurance and Insurance contract. Use English for formal communication effectively.					PLo2a	PLO2b			**Not Assessed**
	Marketing Management	Have an awareness of the different marketing concepts		PLO1b							**Rubrics**
	Financial Accounting	Enable the preparation of books of accounts			PLO1c	PLO1d					**Not Assessed**
	E-Commerce and General Informatics	Gain an understanding of basic concepts, theories, and business models underlying e-commerce		PLO1b							**Not Assessed**

Semester	Course	Outcome									Assessment
	Business Management	Understand the various functions of business management	PLO1a	PLO1b							**Rubrics**
	A. Finance& Taxation**:** Paper-I Financial Management	Make practical applications of capital structure			PLO1c						**Rubrics**
Semester IV											
Semester IV	Language-English	Our graduates will demonstrate proficiency in oral communication.Our graduates will demonstrate proficiency in written communication.					PLo2a	PLO2b			**Not Assessed**
	Capital Market	Our graduates will be able to understand the functioning of business. Our graduates will be able to understand the business environment and to identify business problems	PLO1a	PLO1b							**Not Assessed**
	Corporate Accounting	Learn the significance and methodology of valuation of goodwill and shares of a company			PLO1c	PLO1d					**Not Assessed**
	Entrepreneurship Development and Project	Identify the social issue in a given scenario and apply models or arguments to justify their resolution							PLO3a	PLO3b	**Rubrics**
		Perform their responsibilities with optimal use of available resources in a real-life social setting									**Rubrics**
	Financial Services	Identify the prevailing issues in the financial markets and find out appropriate strategies to resolve the same							PLO3a	PLO3b	**Not Assessed**
	A. Finance &Taxation: Paper-II	Our graduates will be able to perform their responsibilities with optimal use of available resources in a real-life social setting.									**Rubrics**
	Goods and Services Tax									PLO3b	**Rubrics**
Semester V											
Semester V	Cost Accounting	Explain terms such as management accounting, cost accounting and financial accounting.			PLO1c	PLO1d					**Not Assessed**
	Special Accounting	Our graduates will be able to understand the methods of solving common business problem. Our graduate will be able to apply appropriate quantitative and tools techniques to analyse business problems			PLO1c	PLO1d					**Not Assessed**
	Advertising and Sales promotion	Our graduates will be able to understand the business environment and to identify business problems.		PLO1b							**Rubrics**
	Open Course: Investment Management	Our graduates will be able to perform their responsibilities with optimal use of available resources in a real-life social setting.								PLO3b	**Not Assessed**
	A. Finance &Taxation: Paper-III Income Tax-Law and Practice	The ability to participate collaboratively and effectively in teams to achieve the desired business objectives.								PLO3b	**Rubrics**
Semester VI											
	Applied Cost Accounting	Our graduates will be able to apply appropriate quantitative tools and techniques to analyze business problems. Our graduates will be able to understand methods of solving common business problems.			PLO1c	PLO1d					**Semester VI**

Semester VI	Practical Auditing	Our graduates will be able to identify the social issue in a given scenario and apply models or arguments to justify their resolution.									**PLO3a**		**Rubrics**
	Accounting for Managerial Decisions	Give an idea and procedure about Fund flow and cash flow analysis.To equip the students to interpret financial statements.			**PLO1c**	**PLO1d**							**Rubrics**
Optional Course Paper-IV													**Rubrics**
CM06BBA01	**A. Finance & Taxation:** Paper-IV Income Tax-Assessment &Procedure	Our graduates will be able to perform their responsibilities with optimal use of available resources in a real-life social setting.										**PLO3b**	**Rubrics**

Bachelor of Business Administration (BBA)										
List of Subjects and Faculty- (AoL) Purpose			**PLG1**				**PLG2**		**PLG3**	
Semester	**Course Title**	**Course Outcomes**	**PLOa**	**PLOb**	**PLOc**	**PLOd**	**PLOa**	**PLOb**	**PLOa**	**PLOb**	**Rubric**
Semeseter I											
Semeseter I	Language - English	Enable the students to communicate better in English					PLO2a				**Not Assessed**
	Historical Perspective of Management	Be familiarised with the various facets of management study	PLO1a								**Rubric**
	Global Business Enviourment	Get deep knowledge on international trade barriers	PLO1a	PLO1b							**Not Assessed**
	Fundamentals of Business Mathematics	Have fundamental touch with industrial and commercial problems			PLO1c						**Rubric**
	Fundamentals of Business Statistics	Formulate hypothesis about various population parameters.			PLO1c						**Rubric**
	Business Accounting	Know about the concept of bill of exchange in business			PLO1c						**Rubric**
Semeseter II											
Semeseter II	English II	Gain the skills in academic writing and critical thinking						PLO2b			**Not Assessed**
	Business Ethics & Indian Society System	Enable to identify the social issues, adopt and apply appropriate strategies and models to resolve the issues							PLO3a		**Not Assessed**
	Indian Constitution, Secular State, Sustainable Enviournmrnt	Strengthen the value of citizenship &spirit of comradeship.								PLO3b	**Not Assessed**
	Mathematics for Management	Know about problems in industry and management and to learn how to solve the problem			PLO1c						**Rubric**
	Statistics for Management	Conduct various statistical tests			PLO1c						**Rubric**
	Principles of Management	Understand basic concepts of business management such as meaning, various functional areas as well as an introduction to principles developed by Henry Fayol and F.W. Taylor	PLO1a								**Not Assessed**
Semeseter III											
Semeseter III	Business Communication	Understand the characteristics of good speech and to learn the techniques for effective speech.					PLO2a	PLO2b			**Not Assessed**
	Entrepreneurship	Understand methods of solving common business problems				PLO1d					**Not Assessed**
	Business law	Impart awareness about the basic principles of business contracts .				PLO1d					**Rubric**
	Research Methodology	Make students to be familiar with procedural aspects of research.			PLO1c						**Not Assessed**
	Corporate Accounting	Understand the Final Accounts of Joint Stock Companies.			PLO1c						**Rubric**
Semeseter IV											
	Informatics for management	Expose the students to computer applications in the field of accounting and develop practical skills in the application of Tally accounting package				PLO1d					**Rubric**
	Cost Accounting	Familiarise the students with cost concepts and to make the students learn the Fundamentals of cost accounting as a separate system of accounting				PLO1d					**Rubric**

Semester	Subject	Outcome										Assessment
Semeseter IV	Corporate and Industrial law	Identify the various legal provisions binding the establishment and running of industrial establishment			PLO1c							**Rubric**
	Managerial economics	Be aware about micro level aspects of demand and decision making		PLO1b		PLO1d						**Not Assessed**
	Marketing management	Understand the marketing related issues by analysing various factors influencing marketing and identify various strategies to resolve the same.		PLO1b								**Rubric**
Semeseter V												
Semeseter V	Management Accounting	Enable the students to have a thorough knowledge on the management accounting techniques in business decision making			PLO1c							**Rubric**
	Finance Management	Analyse the factor that determine financing decisions			PLO1c							**Not Assessed**
	Organizational behaviour	Identify internal or external problem relating to organisation and find suitable solutions to the problem								PLO3a		**Not Assessed**
	Human resource management	Know about the recruitment and selection process in an organization and to get an overview of training and development.									PLO3b	**Not Assessed**
	Investment & Portfolio management	Enable students to get a closer view of the Indian Financial System, a deeper understanding of the primary & secondary markets			PLO1c							**Rubric**
Semeseter VI												
Semeseter VI	Production management	Knowledge about the different production planning and control techniques used.				PLO1d						**Rubric**
	Industrial relations	Know how the relations are made in industries between workers and management									PLO3b	**Rubric**
	Banking and Insurance	Gain a closer view of the Indian Financial System, a deeper understanding of the ever evolving banking and insurance fields	PLO1a									**Rubric**
	Advertisment and Salesmanship	Knowledge about the different mehods of advertising	PLO1a									**Not Assessed**
	Management - Income Tax, Theory, Law and Practice	Calculation and computation of income tax									PLO3b	**Not Assessed**

Bachelor of Library and Information Science (BLibISc)

Sem	Course	Course Outcomes	Core (C) or Elective (E)	PO1		PO2		PO3		PO4		PO5		EQ or Rubric
				PSO1a	PSO1b	PSO2a	PSO2b	PSO3a	PSO3b	PSO4a	PSO4b	PSO5a	PSO5b	
I	Foundations of Libaray and Information Science	Graduates will have an understanding of the basic principles and fundamental law of librarianship.	C	PSO1a	PSO1b									Rubric
		Our graduates will demonstrate Professional Ethics and awareness in the field of librarianship.												
	Library and Information Centre Management	Our students will be able to identify different aspects of library environment and its relevant stakeholders.	C			PSO2a	PSO2b							Rubric
		Our graduate will demonstrate the ability to integrate functional knowledge across domains in a managerial perspective												
	Knowledge Organization - Library Classification (Theory)	Our graduates will be able to apply tools and techniques for the organization of knowledge.	C					PSO3a		PSO4a				Rubric
		Our graduates will become efficient classifiers for the knowledge organization												
	Knowledge Organization - Library Classification (Practical)	Our graduate will be able to explain, use, maintain, and develop systems to organize and retrieve recorded knowledge.	C								PSO4b			Rubric
	Computer Application in Libraries	Our graduates will get proficiency in the implementation and utilization of digital tools for the processing and dissemination of the information.	E									PSO5a		Rubric
II	Information Sources and Services	Our graduates will be capable of handling various sources of information, their organization and thereby enhance the advanced skill to provide traditional and modern library services	C						PSO3b					Rubric
	Knowledge Organization - Library Cataloguing(Theory)	Our graduate will be able to explain, use, maintain, and develop systems to organize and retrieve recorded knowledge.	C								PSO4b			Rubric
	Knowledge Organization - Library Cataloguing (Practical)	Our graduates will become efficient classifiers for the knowledge organization.	C							PSO4a				Rubric
	Information Technology (Practical)	Our graduates will develop digital documentation skills in the library environment.	C										PSO5b	Rubric
	Digital Resources	Our graduates will get proficiency in the implementation and utilization of digital tools for the processing and dissemination of the information.	E									PSO5a		Rubric

Sem	Course	Course Outcomes	PO1		PO2	PO3			PO4	PO5		PO6	EQ or Rubric
			PSO1a	PSO1b	PSO2a	PSO3a	PSO3b	PSO3c	PSO4a	PSO5a	PSO5b	PSO6a	
I	Information, Knowledge and Communication	Our graduate will be able to implement and evaluate communication models for efficient utility of information.		PSO1b									Rubric
	Information, Processing and Retrieval (Theory)	Students will attain expertise in bibliographic record data processing, information storage in electronic media and design and modification of Information Retrieval Systems.			PSO2a								Rubric
	Research Methodology	Students will attain an understanding of interdisciplinary and multi disciplinary approaches in Research.				PSO3a							Rubric
	Information Systems and Products	Our graduates will develop knowledge about different information systems at national and international levels.							PSO4a				Rubric
	Statistical Methods	Students will develop knowledge in statistical tools and techniques for data analysis.						PSO3c					Rubric
II	Information Technology Applications in LIS (Theory)	Our graduates will understand library automation and web based services.								PSO5a			Rubric
	Information Technology Applications in LIS (Practical)	Our graduates will be able to set up digital libraries and they can handle different library management software.									PSO5b		Rubric
	Planning and Managment of Library and Information Centres	Our students showcase modern management capabilities and affluent in all realms and facets of management.										PSO6a	Rubric
	Dissertation and Viva-Voce	Evaluate and criticize new research trends in the field of library science.					PSO3b						
	Knowledge Management	Our graduates will develop knowledge about different information systems at national and international levels.	PSO1a						PSO4a				

Master of Library and Information Science (MLibISc)

Master of Computer Applications (MCA)

Sem	Course		Course Outcomes	Core/Specialisation/Add On	Computational Knowledge	Problem Analysis	Design /Development of Solutions	Conduct Investigations of Complex Computing Problems	Modern Tool Usage	Professionl Ethics	Life-long Learning	Project management and finance	Communication Efficacy	Societal and Environmental Concern	Individual and Team Work	Innovation and Entrepreneurship	Knowledge Engineering	Programming	Advanced SE	Information Security
				C/S/AOC	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
I	Probability and Statistics	MCA101.1	Have a fundamental understanding of Probability, conditional probability and Bayes theorem.	C	2	2	1	2												
		MCA101.2	Understand and describe various probability distributions.		2	2	1													
		MCA101.3	Calculate and interpret measures for the centre and spread of a data set.		2	3		3												
		MCA101.4	Identify when correlation and regression analyses are appropriate		2	3		3												
		MCA101.5	To have the concept of sampling and estimation and Perform hypothesis testing.		2	2	1	2												
	Computer Organization and Architecture	MCA102.1	Understanding of number systems and representations	C	3	1														
		MCA102.2	Understanding of Boolean algebra, design and implementation of various logic circuits		1	3	3													
		MCA102.3	Understanding of various types of memories and their working		1		3													
		MCA102.4	Understanding how instructions are executed by the processor			2	3													
		MCA102.5	Ability to understand various data transfer techniques between the processor and I/O devices		3															
	Problem Solving with Structured Programming in C	MCA103.1	Identify and use appropriate C language constructs to solve problems.				3											2		
		MCA103.2	Implement algorithms using Control Structures in C				3											3		
		MCA103.3	To understand the concept of code reusability with the help of user defined functions.				2											3		
		MCA103.4	To understand pointers for implementing dynamic memory allocation and solving memory access problems.				2											3		
		MCA103.5	To understand the concept of file system for handling data storage and apply it for solving problems.				2											3		
	DBMS	MCA104.1	Have good understanding of the relational data model.			2	1													
		MCA104.2	Understand and successfully apply logical database design principles, E-R diagrams.			2	1													
		MCA104.3	Understand normalizing database			2	1													
		MCA104.4	Gain ability to write database queries using SQL.			3			1											
		MCA104.5	Understand the concept of database transactions, concurrency control, backup, recovery, locking protocols, Security and Integrity.			2	1													
	Essentials of Management and	MCA105.1	Understand the basic concepts of management, evolution of management, clear knowledge of the management function like planning & organizing, Different School of thought			2				2					2					
		MCA105.2	Understand the different management functions in detail.			2									2					

Course	Code	Course Outcome																
...ment and Organizational Behaviour	MCA105.3	Understand the concept of motivational theories , coordination & controlling, leadership		3				2			2	2	3					
	MCA105.4	Understand basics of marketing, sales promotion , global marketing						2				3						
	MCA105.5	Understand basic of Organizational behaviour, models of OB ,attitudes ,behaviour						2				2	3					
C Lab	MCA106.1	Write C programs and learn how to edit, compile, debug, correct, recompile and run it.			**1**		**1**										**3**	
	MCA106.2	Given a computational problem, identify and abstract the programming6task involved and implement it using appropriate C language constructs.		2	2		1										3	
	MCA106.3	Understand and Implement user defined functions, procedures, pointers and file systems		2	2		1										3	
	MCA106.4	To understand the different coding standards and conventions for writing a readable and simple code					1										3	
	MCA106.5	Debug and trace the execution of programs written in C language.					1										3	
DBMS Lab	MCA107.1	To design, create and alter relational tables and include integrity constraints		**3**	**1**		**1**											
	MCA107.2	To insert , delete and update records in a table		3			1											
	MCA107.3	Gain ability to write data retrieval queries, subqueries using SQL.		3	2		1											
	MCA107.4	To write queries for joining multiple tables.		3	2		1											
	MCA107.5	To implement the concept of triggers, procedures and functions using PL/SQL.		3	2													
Operations Research	MCA201.1	Formulate a real-world problem as a mathematical programming model.		**2**	**1**													
	MCA201.2	Understand the theoretical workings of the simplex method for linear programming and perform iterations of it by hand.			2													
	MCA201.3	Solve specialized linear programming problems like the transportation and assignment problems		2	1													
	MCA201.4	Understand the basic concept of game theory and queuing theory.		2	1													
	MCA201.5	Understand the network analysis techniques and Simulation.			2				2									
Operating Systems	MCA201.1	Formulate a real-world problem as a mathematical programming model.			3													
	MCA201.2	Understand the theoretical workings of the simplex method for linear programming and perform iterations of it by hand.		1	3													
	MCA201.3	Solve specialized linear programming problems like the transportation and assignment problems		2	3													
	MCA201.4	Understand the basic concept of game theory and queuing theory.			3													
	MCA201.5	Understand the network analysis techniques and Simulation.			1				2									
C++ and Object Oriented programming Paradigms	MCA203.1	To introduce the object oriented concepts		**3**													**2**	
	MCA203.2	To familiarize with constructors, destructors and pointers in CPP		3													2	
	MCA203.3	To perform overloading and type conversions		3													2	
	MCA203.4	To gain knowledge in inheritance		3													2	

Sem	Course	Code	Course Outcome	Cat	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Paradigms	MCA203.5	To familiarize the features such as templates and exception handling		3															2
II	Software Engineering	MCA204.1	To analyse, design and manage the development of a computing based system, component or process to meet desired needs within realistic constraints in one or more application domains.		**2**	**3**	**2**						**2**	**3**						**2**
		MCA204.2	To understand software testing and quality assurance techniques at the module level, and understand these techniques at the system level		2	2			2				2							2
		MCA204.3	To use knowledge, techniques, skills and modern tools necessary for software engineering practice			2			2				2							
		MCA204.4	To function on multidisciplinary teams								1				2	3				
		MCA204.5	To communicate effectively with stakeholders involved in projects								1				3	2				
	Data Structures	MCA205.1	To differentiate the linear and nonlinear data structures		**3**							**1**					**2**	**2**		**2**
		MCA205.2	Implement the various kinds of sorting and searching techniques.				3					1					2	2		2
		MCA205.3	To implement the concept of nonlinear data structures using arrays and linked list.		3		2					1					2	2		2
		MCA205.4	Familiarize the concept of advanced data structures like red black trees,avl trees etc. .				3					1					2	2		2
		MCA205.5	Implement the concept of balancing a tree and the rotations to do it.				2					1					2	2		2
	CPP Lab	MCA206.1	To develop programs with object oriented programming concepts using C++.		**3**	**3**	**3**													
		MCA206.2	To implement generic programming				3													
		MCA206.3	To implement exception handling		2		2													
	DS Lab	MCA207.1	To implement the linear data structures like arrays, linked list.		**3**		**3**					**1**					**2**	**2**		**2**
		MCA207.2	To implement the various kinds of sorting and searching techniques.		3		3					1					2	2		2
		MCA207.3	To implement the concept of stacks using arrays and linked list.		3		2					1					2	2		2
		MCA207.4	To implement the concept of queues using arrays and linked list.		3		2					1					2	2		2
		MCA207.5	To implement the concept of nonlinear data structures like graphs and trees.				2					1					2	2		2
	System Administration			AOC	X															
	Design and Analysis of Algorithms	MCA301.1	Understand and use asymptotic notations to analyse the performance of basic algorithms			**3**		**2**												
		MCA301.2	Identify, analyse and evaluate various Algorithm Design Strategies and solve Problems: Divide And Conquer, Branch and Bound, Backtracking strategies			3	3	2												
		MCA301.3	Identify, analyse and evaluate various Algorithm Design Strategies and solve Problems: Dynamic programming, Greedy Strategy			3	3	2												
		MCA301.4	Identify, analyse and evaluate various Graph Algorithm s and Solve Problems			3	1	2												
		MCA301.5	Understand the basic concept of Number Theory and related Algorithms, NP Hard and NP Complete Problems and Approximation Problems			1		2												

Sem	Course	CO	Course Outcome	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
III	Data Communications and Computer Networks	MCA302.1	Build an understanding of the fundamental concepts and reference models of data communications and Computer Networks	**3**	**1**			**3**										
		MCA302.2	Train the students in basics of Data communications and transmission media.	3	3			2										
		MCA302.3	Familiarize the student with the basic taxonomy and protocols used in the Data Link layer of OSI reference Model	3	3			2										
		MCA302.4	Introduce the student to advanced networking concepts like wired and wireless protocols, and routing algorithms	3	3			2										
		MCA302.5	Build an understanding of IP addressing and multicasting	3	2			2										
	System Software and Compiler Design	MCA303.1	To operationalise the relationship between system software and machine architecture.	**3**	**1**		**2**											
		MCA303.2	To Distinguish the design and implementation of assemblers, linkers and loaders.	3	1		2											
		MCA303.3	To Have knowledge of the design of compilers	2	1		3											
		MCA303.4	To implement automata theory	2	1		3											
		MCA303.5	To apply the design and implementation of parsers.	2	1		3											
	Java Programming	MCA304.1	Ability to solve problems using only pure object oriented concepts	**2**	**2**	**1**										**2**		**2**
		MCA304.2	Make decision to solve a problem using package, library and threads Handling Errors and Exceptions	2	2	1		2								2		2
		MCA304.3	Able to develop networking applications	2	2	2										2		1
		MCA304.4	Ability to design and develop database applications	2	2	2		2								2		
		MCA304.5	Design and develop software solutions	2	2	2		2						1		2		3
	Computer Graphics and Multimedia	MCA305.1	Provide a platform to plot the basic graphics primitives like points , lines , polygons, curves etc.					**3**										
		MCA305.2	Facilitate to apply both two dimensional and three dimensional transformations to images drawn.				3											
		MCA305.3	Display an image by removing all unwanted, invisible parts using clipping techniques for lines and polygons.				3											
		MCA305.4	Create 3D objects and represent those using parametric curves.					3										
		MCA305.5	Ability to develop graphics applications using Open GL and Learn the concepts of audio and video compression in multimedia.					3										
	Java Lab	MCA306.1	Ability to solve problems using only pure object oriented concepts	**2**	**2**	**1**												**2**
		MCA306.2	Make decision to solve a problem using package, library and threads Handling Errors and Exceptions	2	2	1		2										2
		MCA306.3	Able to develop networking applications	2	2	2												1
		MCA306.4	Ability to design and develop database applications	2	2	2		2										
		MCA306.5	Design and develop software solutions	2	2	2		2						1				3
	Computer Gtraphics Lab	MCA306.1	Plot the basic graphics primitives like points , lines , polygons, curves etc. using OpenGL					**3**										
		MCA306.2	Implement two dimensional and three dimensional transformations using OpenGL				3											
		MCA306.3	Eliminate all unwanted, invisible parts using Cohen Sutherland line clipping and Sutherland Hedgeman polygon clipping algorithm.				3											
		MCA306.4	Create 3D objects and represent those using parametric curves.					2										

Sem	Course	Code	Outcome	Cat	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		MCA306.5	Image editing and animation using Adobe Photoshop and Flash							3									
	Yoga			AOC								X							
	Internet Programming using Framework	MCA401.1	Ability to solve problems using only pure object oriented concepts and frameworks		2	2	1										2	2	2
		MCA401.2	Ability to design and develop database applications		2	2	1		2								2	2	2
		MCA401.3	Able to develop networking and distributed applications		2	2	2										2	2	1
		MCA401.4	Ability to design GUI applications		2	2	2		2								2	2	
		MCA401.5	Design and develop Web applications		2	2	2		2						1		2	2	3
	Business Processes and Information Systems			C							X		X						
	Object Oriented Modelling and design with UML			C									X			X			
IV	Internet Programming using Framework lab	MCA406.1	Ability to solve problems using only pure object oriented concepts and frameworks		2	2	1										2	2	2
		MCA406.2	Ability to design and develop database applications	C	2	2	1		2								2	2	2
		MCA406.3	Able to develop networking and distributed applications		2	2	2										2	2	1
		MCA406.4	Ability to design GUI applications		2	2	2		2								2	2	
		MCA406.5	Design and develop Web applications		2	2	2		2						1		2	2	3
	Mini Project	MCA407.1	To understand and implement a requirement study and feasibility assessments of a given system.		1	2					2						2		2
		MCA407.2	To facilitate the preparation of an SRS detailing the project management concepts, techniques and issues related to implementation.	C	1	2					2							3	2
		MCA407.3	To describe analysis and design methodologies.		2	2					3							3	2
		MCA407.4	To develop a real time system with adequate software project planning and tracking		2	2					3							3	2
		MCA407.5	To perform adequate testing and further, implement the system using PhP		2	2					2							3	2
	Technical Writing			AOC											X				
	Data Mining	MCA501.1	To introduce the students, the basic concepts and techniques of Data mining and Warehousing and data pre-processing.		3	2		1										2	2
		MCA501.2	Understand association mining algorithms for discovery of frequent item patterns in large data sets and their Visualizations	C	1	1		1										1	2
		MCA501.3	Understand classification analysis algorithms for discovery and generation of rules in large data sets and their Visualizations		1	1		1										1	2
		MCA501.4	Understand basic and advanced clustering analysis algorithms and Visualizations in Data Mining.		1	1		1										1	2
	Linux Administration, Management and Networking	MCA502.1	To introduce the configuration and file system of a Linux OS		1				3										2
V		MCA502.2	To Design and implement programs with shell scripts	C			1		3										2
		MCA502.3	To Familiarize with Linux administrative roles and settings				1		2										3
		MCA502.4	To check and monitor performance of Linux systems		1				2										3
		MCA502.5	To introduce Linux networking		1				2										3
	Parallel Programming	MCA503.1	To comprehend the working of the parallel architectures		1			2											2
		MCA503.2	To parallel solve complex problems using task/channel model	C	2			3											2

Sem	Specialisations	Code	Description	C/S/AOC	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
	Parallel Programming	MCA503.3	To implement shared memory model in parallel programs			2														3
		MCA503.4	To implement Message passing model in parallel programs.					3	3											3
		MCA503.5	To learn and implement Basic programs in CUDA					3												3
	Linux Lab	MCA506.1	To introduce the configuration and file system of a Linux OS. Command knowledge				**3**		**1**											**2**
		MCA506.2	To Design and implement programs with shell scripts	C			3		2											2
		MCA506.3	To Familiarize with Linux administrative roles and settings		1		2		2											3
		MCA506.4	To check and monitor performance of Linux systems		1		2		1											3
		MCA506.5	To introduce Linux networking		1		2		1											3
IV	Data Warehousing	MCA411.1	Understand the fundamentals of data warehouse and its elements					**1**									**3**			
		MCA411.2	Understand the basic architecture of a data warehouse and data staging	C				2									3			
		MCA411.3	Understand metadata and its management and Multidimensional data models, operations, OLAP, ROLAP, MOLAP.					3									3			
		MCA411.4	Understand designing and building of data warehouse						3								3			
		MCA411.5	Understand data layout for best access in multidimensional data model and data pre-processing tools.						3								3			
	Digital Image Processing	MCA412.1	Review the fundamental concepts of a digital image processing system and Analyze images in the frequency domain using various transforms.			**3**		**3**									**3**			
		MCA412.2	Evaluate the techniques for image enhancement and image restoration.	C		2		3									3			
		MCA412.3	Categorize various compression techniques and Interpret Image compression standards.			2		3									3			
		MCA412.4	Interpret imagesegmentation and representation techniques.			2		3									3			
		MCA412.5	Understand various image processing applications			2		3									3			
	Soft Computing	MCA413.1	Learn about soft computing techniques and their applications			**3**		**3**									**3**			
		MCA413.2	Define the fuzzy systems	C		2		3									3			
		MCA413.3	Analyse various neural network architectures			2		3									3			
		MCA413.4	Understand the genetic algorithm concepts and their applications			2		3									3			
		MCA413.5	Identify and select a suitable soft-computing technology to solve a problem, construct a solution and implement a soft-computing solution			2		3									3			
	Big Data Analytics	MCA511.1	Understand the concept and challenge of big data and whyexisting technology is inadequate to analyse the big data;		**1**	**2**		**3**	**3**								**3**			
		MCA511.2	Collect, manage, store, query, and analyse various form of bigdata	C	1	2		3	3								3			
		MCA511.3	Gain hands-on experience on large-scale analytics to solvesome open big data problems by understanding and mining data streams		1	2		3	3								3			
		MCA511.4	Understand the impact of big data for business decisions andstrategy using advanced clustering techniques		1	2		3	3								3			
		MCA511.5	Understand the concepts of frameworks and techniques to visualize the output		1	2		3	3								3			

Sem	Course	Code	Course Outcome	C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
V	Information Retrieval Analytics	MCA512.1	Apply information retrieval principles to locate relevant information in large collections of data		1	2												3				
		MCA512.2	Understand and deploy efficient techniques for the indexing of document objects that are to be retrieved	C	1	2												3				
		MCA512.3	Implement features of retrieval systems for web-based and other search tasks						2									3				
		MCA512.4	Analyse the performance of retrieval systems using test collections						2									3				
		MCA512.5	Make practical recommendations about deploying information retrieval systems in different search domains, including considerations for document management and querying						2									3				
	Social Media Mining	MCA513.1	Understand the essentials like graph, Network measures and models for simulating social media models						3									3				
		MCA513.2	Understand data mining essentials for social media mining.	C					2									3				
		MCA513.3	Find and analyze communities in social media.		3											3		3				
		MCA513.4	Understand the concept of Influence and Homophily. Analyze and perform recommendations in Social Media			3										3		3				
		MCA513.5	Understand Behaviour Analytics in social Media			3										3		3				
IV	J2EE	MCA421.1	To understand and develop web applications using Servlets and Implement a code in JDBC to communicate with database		1													3				
		MCA421.2	To learn and comprehend the JSP Technologies	C	2													3				
		MCA421.3	To learn RMI architectures				2											2				
		MCA421.4	Build Enterprise Applications using Session Bean, Entity Bean and MDB				2											3				
		MCA421.5	To learn Bean based queries, transactions															2				
	Open Source Lab PHP	MCA423.1	To implement applications using AngularJS frame Work		2	2											2	3				
		MCA423.2	Applying the frame work in real applications	C	2	2											2	3				
		MCA423.3	To implement filters in applications		2	2											2	3				
		MCA423.4	To apply the services and modules in applications		2	2											2	3				
		MCA423.5	Applying the framework to solve complex problems		2	2				3							2	3				
	Android	MCA423.1	Able to develop simple apps		2	2	1		3								2	2				
		MCA423.2	Able to develop apps based on different types of menus	C	2	2	1		3								2	2				
		MCA423.3	Make decision to solve a problem using package, library and threads Handling Errors and Exceptions		2	2	2										2	1				
		MCA423.4	Ability to design and develop database applications		2	2	2		3								2	3				
		MCA423.5	Able to design and develop mobile applications works with internet applications		2	2	2		3								2	3				
V	Struts and Hibernate	MCA521.1	Facilitate understanding of the Model-View-Controller (MVC) design pattern and how it is best applied to Java Web application development with respect to a scenario.		1	2	2															
		MCA521.2	Ability to map entities and attributes using modern tools	C					3													
		MCA521.3	Create different types of persistent classes and Map java inheritance hierarchy with database tables using various mapping techniques				2															
		MCA521.4	Fetch data effectively from database using traditional SQL and Hibernate Query Language		1				2													
		MCA521.5	Ability to provide computational solutions for real life problems														3	2		2		3
		MCA522.1	Understand the data types in python		3													1				

Sem	Course	Code	Course Outcome	Cat								
	Open Source Lab – Python	MCA522.2	Ability to understand object oriented programing concepts and write programs in python. Handling Errors and Exceptions	C			2	3			1	3
		MCA522.3	Ability to design and develop database applications				2					3
		MCA522.4	Ability to design and develop web pages/ applications				2	3				3
	Developing Mobile Applications with iOS Platform			S				X				X
V	Software Requirements Engineering	MCA 431.1	To identify and understand the different categories of requirements in an effective manner		**2**	**3**			**2**	**2**		**2**
		MCA 431.2	To gain knowledge in the various elicitation techniques ,elicitation process	C	2	2	2	3	2			2
		MCA 431.3	To understand requirements specification process and the various modelling techniques		2	2	2		2			2
		MCA 431.4	To become well versed in the requirements verification process.		2	2		2	2	2		2
		MCA 431.5	To gain knowledge in requirements management.		2	2			3	2		2
	Software Design and architecture	MCA431.1	Learn the goals of software design and the patterns for designing the software.		**3**	**2**						**3**
		MCA431.2	Know the need and use of software architecture such as classical , event based etc	C					3			3
		MCA431.3	Introduce framework and the methods for automated and dynamic analysis .						3			3
	Software Testing	MCA 433.1	To gain a basic knowledge in testing.		**2**	**2**			**2**			**2**
		MCA 433.2	To understand different levels of testing and their issues	C	2	2	3		2			2
		MCA 433.3	To gain knowledge about testing methods.		2	2	3		2			2
		MCA 433.4	To understand test management		2	2	3		2			2
		MCA 433.5	To gain knowledge about different testing tools		2	2	2	3	2			2
V	Software Project Management	MCA531.1	To conduct project planning activities that accurately forecast project costs, and resources						**3**			**2**
		MCA531.2	To impart knowledge on activity planning and resource allocation	C					3			2
		MCA531.3	To perform monitoring, control and project closure successfully						3			2
		MCA531.4	To be specialized in risk management concepts						3			2
		MCA531.5	To be familiar with project management tools and certifications						3			2
	Software Risk Management	MCA533.1	Learn the basics of software risk and to classify them.		**2**	**3**						**3**
		MCA533.2	Familiarize the assessment of risks using tools.	C					3			3
		MCA533.3	Introduce the response to risk and the activities for maintenance.						2			3
	User Interface Design	MCA532.1	To gain an understanding of human computer interface and interaction						**2**			**3**
		MCA532.2	To understand the user design interface process and learn direct/indirect methods	C					2			3
		MCA532.3	To implement and use windows components in design						2			3
		MCA532.4	To implement multimedia facilities in prototypes						2			3
		MCA532.5	To use software and paper prototyping tools to design user interfaces that take into account human capabilities and constraints, users' needs, usability goals and user experience goals						2			3

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IV	Mathematical Foundations of Information Security	MCA441.1	Understand and apply concepts of Ethical hacking and footprinting		**1**			**1**												**2**
		MCA441.2	To know the basics of System hacking and enumerations	C	1			2												2
		MCA441.3	Differentiate the concepts of Trojans, viruses and worms				1	2		1										3
		MCA441.4	To understand the vulnerabilities of web applications and monitor the hacks				1	2												3
		MCA441.5	To understand SQL injections and Android Hacking				1	2												3
	Web and Database Security	MCA442.1	Learn the Web application architecture, its components and potential security weaknesses.																	**2**
		MCA442.2	To impart knowledge about securing web application.	C	1										1					2
		MCA442.3	Learn the levels of database security and SQL injection.		1															2
		MCA442.4	Understand information leakage and securing database to database communication.												1					2
	Emerging Security Technologies	MCA443.1	Have an idea about various information hiding techniques and their need.		**3**															**3**
		MCA443.2	Understand the concept of steganography and different methods of implementing steganography	C	2															3
		MCA443.3	Understand the concept of watermarking		3															3
		MCA443.4	Have the knowledge about digital right management		3															3
		MCA443.5	Various applications of information hiding techniques		3															3
V	Network Security Architecture	MCA541.1	To be familiar with wired and wireless network protocols.		**1**	**1**														**2**
		MCA541.2	Have a working knowledge of intrusion detection and malicious software.	C	1	1	1													2
		MCA541.3	To Know the working of IPsec.		1															2
		MCA541.4	To be familiar with web security.		1															2
		MCA541.5	Understand the email security protocols like PGP, S/MIME and PEM.		1	1														2
	Wireless Security	MCA502.1	Understand the concept of wireless network protocols.																	**2**
		MCA502.2	To impart knowledge about Viruses, WAP and WEP.	C											1					2
		MCA502.3	Learn the RFID technology and its applications.		1		1								1					2
		MCA502.4	Understand wireless hacking techniques and mobile security.												1					2
	Cyber Forensics	MCA543.1	Interpret and appropriately apply the laws and procedures associated with identifying, acquiring, examining and presenting digital evidence.		**2**	**3**	**2**													**2**
		MCA543.2	Create a method for gathering, assessing and applying new and existing legislation and industry trends specific to the practice of digital forensics.	C	2	2	3													2
		MCA543.3	Employ fundamental computer theory in the context of computer forensics practices.		3															1
		MCA543.4	Adhere to the ethical standards of the profession and apply those standards to all aspects of the study and practice of digital forensics.		1				3						1					3
		MCA543.5	Evaluate the effectiveness of available digital forensics tools and use them in a way that optimizes the efficiency and quality of digital forensics investigations		1	2			3											2
Course Aggregate					137	111	98	48	70	10	17	22	18	12	41	28	42	62	38	39