COs, PSOs & POs

and

Mapping

2017-2020

VISION

Empower, Enrich, Excel, Transform

To contribute to a just and equitable society
through quality education for leadership
and social responsibility in an environment of
academic excellence and sound values.

MISSION

The mission of the college is to empower young
women through a transformative education to form
intellectually component, morally upright, socially committed
and spiritually inspired women imbued with the values
of humanism in the service of society

CORE VALUES

- Truth, Charity and Personal Integrity.

- Transformative Education.

- Inclusiveness, Excellence and Social justice.

- Holistic growth.

- Protection and Preservation of Environment

PROGRAMME OUTCOMES (POs)

(UG & PG)

S.No.	Programme	Programme Code	Programme Outcomes (POs)
UG PROGRAMMES			
1	BA (HEP) History, Economics, Political Science	101	**At the end of the programme students will have:** **PO1: Essential Knowledge:**
2	BA (HELP) History, English Literature, Political Science	102	Comprehensive discipline knowledge and understanding, the ability to engage with different schools of thought and to apply their knowledge in practice including in multi-disciplinary or multi-professional contexts.
3	BA (HELTTM) History, English Literature, Travel and Tourism Management	103	
4	BA (SWEP) Social Work, Economics, Political Science	104	**PO2: Creative and critical thinking and problem solving abilities:** Be effective problem solvers, able to apply critical and
5	BA (MES) Mathematics, Economics, Statistics	105	evidence-based thinking to conceive innovative responses to future challenges.
6	BA (HEP (TM)) History, Economics, Political Science	106	**PO3: Teamwork and communication skills:**
7	BA (JELP) Journalism, English Literature, Political Science	107	Be able to convey ideas and information effectively to a range of audiences for a variety of purposes and contribute in a positive and collaborative manner to achieving common goals.
8	B.Com. (General)	201	
9	B.Com. (Tax Procedures and Practices)	202	**PO4: Digital capabilities:**
10	B.Com. (Computers)	203	Demonstrate preparedness for living, learning and working in a digital society.
11	BMS	501	

12	B.Sc.(MPC) Mathematics, Physics, Chemistry	301	**PO5: Professionalism and leadership readiness:** Be able to engage in professional behaviour and have the potential to be entrepreneurial and take leadership roles in their chosen occupations and communities. **PO6: Intercultural and ethical competency:** Be responsible and effective global citizens whose personal values and practices are consistent with their roles as responsible members of society. **PO7: Self-awareness and emotional intelligence:** Be self-aware and reflective, flexible and resilient and act with integrity and take responsibility for their actions as empowered women. **PO8: Social responsibility**: Be sensitive to and demonstrate agency in matters of environment, gender and other social issues to promote an equitable society**.**
13	B.Sc.(MPCs) Mathematics, Physics, Computer Science	303	
14	B.Sc. (MSCs) Mathematics, Statistics, Computer Science	304	
15	B.Sc. (CBZ) Chemistry, Botany, Zoology	305	
16	B.Sc. (MECs) Mathematics, Electronics, Computer Science	306	
17	B.Sc. (BBC) Botany, Biotechnology, Chemistry	307	
18	B.Sc. (FMC) Food Science, Microbiology, Chemistry	308	
19	B.Sc. (MCCs) Mathematics, Chemistry, Computer Science	309	
20	B.Sc. (MBC) Microbiology, Biotechnology, Chemistry	310	
PG PROGRAMMES			
17	MA Economics	1201	
18	MA English	1201	

19	M.Com.	1301	
20	MSc. Mathematics	1401	
21	MBA	1501	

PROGRAMME SPECIFIC OUTCOMES
(PSOs)

BA PROGRAMMES

S.No.	Programme	Programme Code	Programme Specific Outcomes (PSOs)
1	BA (HEP) History, Economics, Political Science	101	**At the end of the Programme the student will be able to**
2	BA (HELP) History, English Literature, Political Science	102	**PSO1**: Demonstrate fundamental knowledge of domain areas. **PSO2**: Acquire competence to apply and communicate principles, techniques and skills to analyse and interpret texts and data and draw conclusions.
3	BA (HELTTM) History, English Literature, Tourism and Travel Management	103	**PSO3**: Demonstrate problem-solving skills in real life situations by drawing from imbibed theories and principles
4	BA (SWEP) Social Work, Economics, Political Science	104	**PSO4**: Discuss the latest trends and applications pertinent to higher studies and employability.
5	BA (HEP (TM) History, Economics, Political Science	106	**PSO5**: Exhibit behaviour and actions denoting good citizenship and social responsibility. **PSO6:** Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations.
6	BA (JELP) Journalism, English Literature, Political Science	107	

| 7 | BA (MES)
Mathematics, Economics, Statistics | 105 | **At the end of the Programme the student will be able to**

PSO1: Interpret the principles, classifications, concepts and theories.

PSO2: Analyse hypothesis, procedures, properties, experimental facts and draw conclusions.

PSO3: Apply techniques in solving problems, results, sample analysis and production.

PSO4: Discuss and disseminate the latest trends and applications pertinent to higher studies and employability.

PSO5: Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations. |

COMMERCE & MANAGEMENT PROGRAMMES

S.No.	Programme	Programme Code	Programme Specific Outcomes (PSOs)
1	B.Com. (General)	201	**At the end of the Programme the student will be able to** **PSO1**: Demonstrate the knowledge related to core disciplines of banking, accounting, finance, law, taxation and management. **PSO2**: Apply the provisions of Income Tax, Customs Law, GST other Direct and Indirect taxes.

2	B.Com. (Tax Procedures and Practices)	202	**PSO3**: Identify ethical, unethical accounting practices and financial reporting of public and private concerns. **PSO4**: Evaluate financial statements for effective management of business. **PSO5**: Apply problem solving, decision making, entrepreneurial and communication skills to face the organisational challenges.
3	B.Com. (Computers)	203	**PSO6:** Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations.
4	BMS	501	**At the end of the Programme the student will be able to** **PSO1**: Demonstrate an understanding of the fundamental principles and concepts of management **PSO2**: Analyse the strategies related to Marketing, Finance and HR in a dynamic business environment. **PSO3**: Apply problem solving, decision making, entrepreneurial, and employability and communication skills to face the challenges of real business scenario.

			PSO4: Develop awareness towards Corporate Social Responsibility and sustainable Business Practices. PSO5: Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations.

B.Sc. PROGRAMMES

PHYSICAL SCIENCES

S.No.	Programme	Programme Code	Programme Specific Outcomes (PSOs)
1	B.Sc. (MPC) Mathematics, Physics, Chemistry	301	**At the end of the Programme the student will be able to** PSO1: Interpret the principles, classifications, concepts, theories and mechanisms.
2	B.Sc. (MPCs) Mathematics, Physics, Computer Science	303	PSO2: Analyse hypothesis, procedures, properties, experimental facts and draw conclusions. PSO3: Apply techniques in solving problems, results, sample analysis and production.
3	B.Sc. (MSCs) Mathematics, Statistics, Computer Science	304	PSO4: Discuss the latest trends and applications pertinent to higher studies and employability.
4	B.Sc. (MECs) Mathematics, Electronics, Computer Science	306	PSO5: Exhibit communicative competence and apply skills in computers,

| 5 | B.Sc. (MCCs)

 Mathematics, Chemistry, Computer Science | 309 | creative and critical thinking, interpersonal relationships and managing emotions in real life situations. |

<p style="text-align:center">LIFE SCIENCES</p>

S.No.	Programme	Programme Code	Programme Specific Outcomes (PSOs)
1	B.Sc. (CBZ) Chemistry, Botany, Zoology	305	**At the end of the Programme the student will be able to** **PSO1**: Summarize the concepts, principles, classifications, theories and mechanisms.
2	B.Sc. (BBC) Botany, Biotechnology, Chemistry	307	**PSO2**: Discuss hypothesis, procedures, results and draw conclusions. **PSO3**: Apply tools and techniques in solving problems, sample analysis and production.
3	B.Sc. (FMC) Food Science, Microbiology, Chemistry	308	**PSO4**: Develop skills pertinent to sustainability, higher progression and employability. **PSO5**: Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations.
4	B.Sc. (MBC) Microbiology, Biotechnology, Chemistry	310	

PG PROGRAMMES

P.G ECONOMICS

S.No.	Programme	Programme Code	Programme Specific Outcomes (PSOs)
1	MA Economics	1201	**At the end of the Programme the student will be able to** **PSO1**: Identify the issues of socio economic contexts along with environmental needs and concerns **PSO2**: Acquire skills of analysis and interpretations and apply them to real life situations **PSO3:** Develop specific policy measures to address current socio economic problems **PSO4**: Design appropriate statistical techniques for innovation in teaching and scientific research in economics

PG ENGLISH

S.No.	Programme	Programme Code	Programme Specific Outcomes (PSOs)
2	MA English	1201	**At the end of the Programme the student will be able to** **PSO1**: Interpret literary texts of all genres and give a critical analysis. **PSO2:** Develop skills of research through evaluation, critical thinking and writing. **PSO3**: Identify the significance of internationally acclaimed works through the writings of celebrated writers, including translated versions and apply the themes to global contexts. **PSO4**: Utilize the different critical approaches and demonstrate them through study of the prescribed texts, master the right articulation and intonation and gain fluency in English.

P.G COMMERCE

S.No.	Programme	Programme Code	Programme Specific Outcomes (PSOs)
3	M.Com.	1301	**At the end of the Programme the student will be able to** **PSO1**: Describe the fundamental the concepts and principles of accounting, finance, taxation, law and management. **PSO2**: Analyse the techniques of advanced accounting. **PSO3**: Apply the concepts of Direct and Indirect taxes in organizational context. **PSO4**: Develop decision making skills in the fields of finance, costing, management and accounting. **PSO5**: Apply communication, computerized accounting, interpersonal and entrepreneurial skills and e -Commerce principles in the real business scenario.

PG MATHEMATICS

S.No.	Programme	Programme Code	Programme Specific Outcomes (PSOs)
4	M.Sc. Mathematics	1401	**At the end of the Programme the student will be able to** **PSO1**: Analyze and construct arguments to prove mathematical concepts. **PSO2**: Develop mathematical reasoning to formulate ideas based on them. **PSO3**: Solve simple and complex problems in the advanced areas of pure Mathematics.

MBA

S.No.	Programme	Programme Code	Programme Specific Outcomes (PSOs)
5	MBA	1501	**At the end of the Programme the student will be able to** **PSO1**: Apply appropriate principles, theories and concepts to manage an Organisation. **PSO2**: Demonstrate leadership and team building skills for coordinating organizational activities. **PSO3**: Analyze complex business problems using managerial competencies. **PSO4**: Develop proactive thinking to perform effectively in dynamic business environment. **PSO5**: Integrate tools and techniques from multiple functional areas of management in current business scenario. **PSO6**: Propose ethical considerations for making business decisions.

COURSE OUTCOMES (COs)

LANGUAGES
AND
FOUNDATION COURSES

				GENERAL ENGLISH		
S.No.	**Semester**	**Course Code**	**Course Title**	**Course Outcomes (COs)**		**PSOs**
1	I	ENGC026	Communicative Language I	CO1	Outline and interpret the critical ideas, values and themes of different writers of different genres.	PSO6
				CO2	Analyze prose to identify main and subordinate ideas, distinguish various modes of argument, define audience and purpose, and outline methods of development	PSO6
				CO3	Create message oriented Skits to cultivate moral values for the second component.	PSO6
				CO4	Build pieces of writing like summarizing news reports, editing of the passages, letters, dialogue narrative form using the methodologies given.	PSO6
				CO5	Able to ethically gather, understand, evaluate and synthesize information from a variety of written and electronic sources.	PSO6
2	II	ENGC027	Communicative Language II	CO1	Outline and interpret critical ideas , values and themes of different writers of different genres.	PSO6
				CO2	Analyze prose, poetry, short fiction, drama to distinguish various modes of argument and outline methods of development.	PSO6
				CO3	Demonstrate with the practical, emotional, intellectual and creative aspects of language by integrating knowledge and skills.	PSO6

				CO4	Build pieces of writing on different themes and topics like summarizing news report, editing of the passages, Letters, Dialogue narrative form using the methodologies given.	PSO6
3	III	ENGC024	Communicative Language III	CO1	Outline and interpret the critical ideas, values and themes of different writers and different genres.	PSO6
				CO2	Analyze prose, poetry, short fiction, drama to distinguish various models of argument and outline methods of development.	PSO6
				CO3	Demonstrate with the practical, emotional, intellectual and creative aspects of language by integrating knowledge and skills	PSO6
				CO4	Build pieces of writing on different themes and topics like summarizing news report, editing of the passages ,letters, Dialogue to narrative using the methodologies given.	PSO6
4	IV	ENGC028	Communicative Language III	CO1	Outline and interpret critical ideas, values and themes of different writers of different genres.	PSO6
				CO2	Analyze prose, poetry, short fiction, drama to distinguish various models of argument and outline methods of development.	PSO6
				CO3	Demonstrate with the practical, emotional, intellectual and creative aspects of language by integrating knowledge and skills	PSO6
				CO4	Build pieces of writing on different themes and topics like summarizing news report, editing of the passages, letters, Dialogue narrative form using the methodologies	PSO6

				CO5	Able to gather, understand, evaluate and synthesize information from a variety of written and electronic sources.	PSO6

					TELUGU	
S.No.	**Semester**	**Course Code**	**Course Title**		**Course Outcomes (COs)**	**PSOs**
1	I	TELCO09	Poetry, Prose & Grammar	CO1	భాష నైపుణ్యాలు పెంపొందించి బడును.	PSO6
				CO2	భావ ప్రకటనా సామర్ధ్యము పెంపొందించబడును	PSO6
				CO3	భారతీయ సంస్కృతి సంప్రదాయం పట్ల అవగాహ పెరుగును.	PSO6
				CO4	వ్యక్తిత్వము వికసించును	PSO6
2	II	TELUGU	Poetry, Prose & Non-detailed	CO1	భాష నైపుణ్యాలు పెంపొందించి బడును.	PSO6
				CO2	భావ ప్రకటనా సామర్ధ్యము పెంపొందించబడును	PSO6
				CO3	భారతీయ జానపద సంస్కృతి సంప్రదాయం పట్ల అవగాహన పెరుగును.	PSO6
3	III	TELUGU	Poetry, Prose & Grammar	CO1	భాష నైపుణ్యాలు పెంపొందించి బడును.	PSO6
				CO2	భావ ప్రకటనా సామర్ధ్యము పెంపొందించబడును	PSO6
				CO3	భారతీయ సంస్కృతి సంప్రదాయం పట్ల అవగాహ పెరుగును.	PSO6
				CO4	వ్యక్తిత్వము వికసించును.	PSO6

				HINDI		
S.No.	Semester	Course Code	Course Title	Course Outcomes (COs)		PSOs
1	I	HINC009	Prose, Short Stories & Grammar I	CO1	१. भाषा पर अधिकार बढ़ाना ।	PSO6
				CO2	२. भारतीय संस्कृति - सभ्यता पर प्रकाश डालना ।	PSO6
				CO3	३. महात्माओं की जीवनियों के द्वारा आत्मनिर्भरता, देशभक्ति,आदि गुणों की महिमा का वर्णन करना ।	PSO6
2	II	HINC010	Prose, Short Stories, Grammar II	CO1	१. भाषा पर अधिकार बढ़ाना ।	PSO6
				CO2	२. भारतीय संस्कृति - सभ्यता पर प्रकाश डालना ।	PSO6
				CO3	३. महात्माओं की जीवनियों के द्वारा आत्मनिर्भरता, देशभक्ति,आदि गुणों की महिमा का वर्णन करना ।	PSO6
3	III	HINC011	Poetry, Hindi Literature, General Essays & Translation	CO1	१. भाषा पर अधिकार बढ़ाना ।	PSO6
				CO2	२. भारतीय संस्कृति - सभ्यता पर प्रकाश डालना ।	PSO6
				CO3	३. महात्माओं की जीवनियों के द्वारा आत्मनिर्भरता, देशभक्ति,आदि गुणों की महिमा का वर्णन करना ।	PSO6

				SANSKRIT		
S.No.	Semester	Course Code	Course Title	Course Outcomes (COs)		PSOs
1	I	SANC009	Poetry, Prose & Grammar	CO1	१.साहित्यकार,ऋषि,कवि हृदय परिज्ञानम्।	PSO6
				CO2	२.मानवीयमूल्य सम्पादनाभिलाष:।	PSO6
				CO3	३.मौलिक व्याकरणपरिज्ञानम्, प्रयोगे भाषाशुद्धि:।	PSO6
2	II	SANC010	Poetry, Prose & Grammar II	CO1	१.भाषायाम् अधिकार सम्पादने शक्ति:।	PSO6
				CO2	२.भारतीय संस्कृति एवं संप्रदायानां वैशिष्ट्य परिज्ञानम्।	PSO6

				CO3	३.महात्मनां जीवनवृत्त एवम् उपदेश विवेचन द्वारा सदाचार पालनम्।	PSO6
3	III	SANC011	Drama, Figures of Speech and History of Sanskrit Literature	CO1	१.पात्रपोषणे,रसनिरूपणे नाटककारकौशलं विज्ञातम्।	PSO6
				CO2	२.कवि, शास्त्रकार योगदानज्ञानात् तद्रचनासु पठन, परिशीलनानुरागवृद्धि:।	PSO6
				CO3	३.भाषाप्रयोगे अलंकारादि विवेचनदृष्टि: आसादिता।	PSO6

FOUNDATION COURSES

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	PSOs
1	I/II	FCA003	Communication and Soft Skills - I	CO1	Understand and improve conversation skills.	PSO6
				CO2	Learn intonation and the right pronunciation	
				CO3	Build vocabulary and comprehend texts.	PSO6
				CO4	Develop career oriented skills.	PSO6
2	I/II	FCA004	Human Values and Professional Ethics	CO1	Understand the need for value education to lead a happy and prosperous life	PSO6
				CO2	Relate self to the body thereby understand the needs of self and needs of the body and act accordingly	PSO6
				CO3	Analyze the importance of the family in the society and demonstrate harmony in day to day dealings	PSO6
				CO4	Demonstrate respects for ethics and conduct duties in accordance with expectations of the society and family in particular	PSO6
3	I/II	FCA005	Environmental Studies	CO1	Understand the nature, components of an ecosystem and utilization of natural resources.	PSO6
				CO2	Realize the effect of pollutants on environment, utilization of non-renewable energy sources and suggested the remedial measures	PSO6
				CO3	Discuss the laws/ acts made by government to prevent	PSO6

					pollution, to protect biodiversity and environment as a whole	
4	I/II	FCA006	Computer Fundamentals and Office Tools	CO1	Use technology ethically, safely, securely, and legally.	PSO6
				CO2	Understand why computers are essential components in business, education and society.	PSO6
				CO3	Recognize when to use each of the Microsoft Office programs to create professional and academic documents.	PSO6
				CO4	Gain "computer literacy" that prepares them for life-long learning of computer concepts and skills.	PSO6
5	III	FCA007	Communication and Soft Skills - II	CO1	Comprehend soft skills and develop a positive attitude	PSO6
				CO2	Improve Interview and Public speaking aptitude	PSO6
				CO3	Interpret texts and sharpen writing skills.	PSO6
				CO4	Develop career oriented life skills	PSO6
6	I/II/III	FCA008	Analytical Skills	CO1	Demonstrate arithmetic and business concepts and attain the associated skills	PSO6
				CO2	Exhibit competency in the use of verbal reasoning.	PSO6
				CO3	Apply the skills and competencies acquired in the related areas	PSO6
				CO4	Solve problems pertaining to quantitative ability, logical reasoning and verbal ability inside and outside the campus.	PSO6
7	V	FCA009	Entrepreneurship	CO1	Explain the concept of Entrepreneurship, its role and functions	PSO6
				CO2	Demonstrate the role of women entrepreneurs in India	PSO6
				CO3	Describe the importance of Entrepreneurship Development Program	PSO6
				CO4	Discuss the relevance of project management in entrepreneurship	PSO6
8	III/IV	FCA010	Leadership Education	CO1	Understand the structure of organisational management and identify significance of leadership for organisational growth	PSO6

				CO2	Analyse behavioral attitudes and personality development through an in-depth study of theories of motivation	PSO6
				CO3	Comprehend the impact of communication in interpersonal relationships	PSO6
				CO4	Evaluate and resolve group conflicts through conflict management	PSO6
9	IV	FCA011	Communication and Soft Skills - III	CO1	Develop a positive attitude and adopt a confident body language.	PSO6
				CO2	Apple netiquette and soft skills to everyday interactions.	PSO6
				CO3	Learn to be emotionally intelligent.	PSO6
				CO4	Develop writing skills and communicating on the internet.	PSO6
10	III/IV	FCA012	Internet Fundamentals and Web Tools	CO1	Identify different types of networks, devices, communication media and protocols.	PSO6
				CO2	Apply skills for basic use of Internet.	PSO6
				CO3	Demonstrate different types of html tags and the basic structure of a program.	PSO6
				CO4	Design basic web pages.	PSO6

MAPPING OF COs WITH PSOs

UG PROGRAMMES

S.No.	Semester	Course Code	Course Title	Course Outcomes (COs)		Programme Specific Outcomes (PSOs)
1	I	HISC032	Indian History and Culture (From Earliest Times to 647 A.D)	CO1	Categorize the sources and relevance of history using ICT tools.	PSO1, PSO2
				CO2	Recall the names of historical figures and estimate their contributions.	PSO1
				CO3	Apply the ideas of the past events to understand the present.	PSO2, PSO3
				CO4	Analyze the development of culture and the development of various traditions from the Harappan Civilization period to the Post Gupta period.	PSO2
				CO5	Create interest in the past events and their relevance to the present.	PSO2, PSO4
				CO6	Evaluate the impact of history on society.	PSO2, PSO5
2	II	HISC033	Indian History and Culture (From 647 – 1526)	CO1	Understand the political and cultural history of South India by gathering additional knowledge from the internet using modern ICT tools.	PSO1, PSO2
				CO2	Explain the chronology of the various Dynasties of South India.	PSO1
				CO3	Analyze the impact of Muslim rule on Indian Society.	PSO1, PSO2
				CO4	Appreciate the contribution of Muslim rulers to the Indian Society in the field of Art Architecture, polity, Economy etc.	PSO2
				CO5	Create interest in the past events and their relevance to the present.	PSO4
				CO6	Evaluate the impact of history on society.	PSO2, PSO5
3	III	HISC034	Indian History & Culture 1526-1761	CO1	Understand the sources available by gathering additional knowledge from the internet and use of modern ICT tools for the reconstruction of Mughal History.	PSO1, PSO2
				CO2	Remember the important historians and their contributions.	PSO1
				CO3	Analyze the causes for the rise of Marathas and Sikhs	PSO2
				CO4	Evaluate the contribution of Shivaji and the Sikhs to the society.	PSO2
				CO5	Create and renew interest in the culture and history of India.	PSO3, PSO4
4	IV	HISC035	Indian History & Culture 1757-1964	CO1	Summarize advent of Europeans and their relevance to the history of India.	PSO1, PSO2
				CO2	Relate the names of various European officers and their contribution to India.	PSO1

				CO3	Apply the information on administrative reforms to the present scenario.	PSO3, PSO4, PSO5
				CO4	Analyze the socio-economic changes brought about as a result of the introduction of Western education	PSO2, PSO3
				CO5	Evaluate the contribution of the freedom fighters with special reference to Gandhi and demonstrate the feelings of patriotism and nationalism.	PSO2, PSO5
5	V	HISC036	History of Modern World (1453-1821)	CO1	Understand the various concepts and systems of the medieval period in Modern World.	PSO1
				CO2	Compare the facts and ideas of important events during the given chronology and their impact on the society	PSO1, PSO2
				CO3	Analyze the various events, reformation, French Revolution, rise of Nation States, etc., by using additional study materials using modern ICT tools.	PSO2
				CO4	Evaluate the impact of changing polity on the society	PSO3
				CO5	Demonstrate renewed interest in the revolution especially French revolution and estimate it's the impact on the society	PSO3
6	V	HISC037	History & Culture of Andhradesa (12th century -19th century)	CO1	Understand the culture of Andhradesa in a better way from available additional OER in the internet using modern ICT tools.	PSO1, PSO2
				CO2	Remember the various ruling dynasties of Andhradesa	PSO1
				CO3	Apply the acquired information to the present scenario and understand the changes brought about	PSO3, PSO4
				CO4	Analyze and evaluate the contribution of the British in Andhradesa and the impact of British rule in India	PSO2
				CO5	Demonstrate a knowledge of administrative reforms of the Company in Andhradesa	PSO2
7	VI	HISC038	History of Modern Europe (1821-1945) General Elective	CO1	Understand the origin, nature impact of Industrial revolution	PSO1, PSO2
				CO2	Understand the circumstances leading to unification of Germany and Italy	PSO1, PSO2
				CO3	Analyze the Russian revolution and its impact on the society and polity	PSO2, PSO3

				CO4	Evaluate the causes, course and results of the great world wars using additional OE resources available in the internet using modern ICT tools	PSO1, PSO2, PSO3
				CO5	Create interest in the aftermath of the Great wars and understand the need for promoting peace and harmony	PSO3, PSO5
8	VI	HISC039	Contemporary History of the world (1945-2000) General - Elective	CO1	Interpret the different events of the world periodically using additional resources available in the internet using modern ICT tools	PSO1, PSO2
				CO2	Appraise the causes and happenings around the world	PSO2
				CO3	Analyze the pros and cons of every situation in the world and evaluate reasons for preventing war and promoting peace and harmony.	PSO2, PSO3, PSO4, PSO5
				CO4	Explain the need to promote peaceful co-existence	PSO5
				CO5	Demonstrate renewed interest in international affairs and be better prepared for appearing for competitive exams	PSO4
9	VI	HISC041	Cultural Tourism in Andhra Pradesh (Cluster Elective)	CO1	Understand the scope of tourism in Andhradesa using additional OE resources available in the internet using modern ICT tools.	PSO1
				CO2	Understand the various resources for Tourism	PSO1
				CO3	Evaluate the role of APTDC	PSO1, PSO2
				CO4	Understand the role of Govt. in the development and promotion of Tourism	PSO1, PSO2
				CO5	Create understanding about the need to promote peaceful co-existence	PSO5
10	VI	HISC042	Popular Movements in AndhraDesa (1848 – 1956) Cluster elective	CO1	Understand Social and Self Respect movements in Andhradesa	PSO1, PSO2
				CO2	Remember the names of the popular social reformers and their contribution	PSO1
				CO3	Analyze the Freedom movement in Andhradesa using additional OE resources available in the internet using modern ICT tools	PSO2
				CO4	Evaluate the causes for the movement for separate State in 1953	PSO2
				CO5	Demonstrate interest in the contribution of Potti -Sriramulu	PSO2
11	VI	HISC043	Contemporary History of Andhradesa	CO1	Understand contemporary history of AP using additional OE resources available in the internet using modern ICT tools	PSO1, PSO2

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
12	VI	HISC044	(Cluster Elective for the batch of 2015)	CO2	Understand the socio-economic changes in AP and the early trends towards bifurcation of AP.	PSO1, PSO2
				CO3	Analyze the circumstances leading to emergence of TDP	PSO2, PSO3
				CO4	Evaluate the growth of Leftist ideology	PSO2, PSO3
				CO5	Create interest in the Dalit movement	PSO2, PSO3
			History Major Project (Cluster elective for the batch Of 2016)	CO1	Learn the essential historical skills of analysis of the collected and available information through various sources.	PSO2
				CO2	Learn categorization of the information thematically, periodization, and contextualization.	PSO1
				CO3	Acquire the skill of writing a descriptive, comprehensive report which would help them further in the art of documentation and reporting of important events or information.	PSO4
				CO4	Acquire conducive to renewed interest in the given subject/topic of study.	PSO4

ECONOMICS

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	ECOC025	Principles of Micro Economics-1	CO1	Analyze the importance of micro and macro economics	PSO2
				CO2	Distinguish between different types of demand and evaluate the different methods of elasticity of demand	PSO2
				CO3	Examine the behaviour of the consumer through indifference curve analysis	PSO2
				CO4	Apply the production function through different laws of production	PSO2
				CO5	Evaluate the different types of costs and revenue	PSO1, PSO2

2	II	ECOC0-26	Principles of Micro Economics-2	CO1	Evaluate the different types of costs and revenue	PSO1, PSO2
				CO2	Understand the difference between price determination in different markets	PSO1
				CO3	Exemplify different theories of rent and wages	PSO2
				CO4	Interpret various theories of interest and profit	PSO2
				CO5	Analyse the basic concepts of International trade	PSO2
4	III	ECOCO27	Macroeconomics Theory-I	CO1	Provide skills with an understanding of macro-economics in solving the socio economic problems and analysing the subject matter	PSO3
				CO2	Analyse the theories of employment	PSO2
				CO3	Develop the skills of evaluating national income and circular flow of income	PSO3
				CO4	Evaluate the nature of investment function, capital and money markets – How they are useful to the common man and also to the development of market investments.	PSO3, PSO4
				CO5	Apply the various consumption theories and various properties of consumption theories and measure the increase in their propensity to consume.	PSO3
5	IV	ECOCO28	Macroeconomics Theory-II	CO1	Identify the meaning, functions, classification of money and theories of money.	PSO1
				CO2	Evaluate the trade cycles, phases of cycles, consequences and remedial measures	PSO2
				CO3	Analyze inflation and apply the theories of inflation to society.	PSO3

				CO4	Evaluate the functions of RBI like credit control, nationalization of banks.	PSO4
				CO5	Apply the derivations of IS and LM functions to society.	PSO3
6	V	ECOC029	Indian Economy	CO1	Analyze the demographic trends and population dividend and income inequalities.	PSO2, PSO3
				CO2	Examine the trends in Indian agricultural sector.	PSO2, PSO4
				CO3	Evaluate the Indian industrial policies and service sector	PSO2, PSO3
				CO4	To examine the various economic reforms in the three sectors.	PSO4
				CO5	Apply the structure of five year plans to the present.	PSO1, PSO2, PSO3
7	V	ECOC030	Quantitative Techniques - 1	CO1	Find tool of Matrix Algebra and solve the system of linear Equations	PSO2
				CO2	Compare primary and secondary data. Interpret the data	PSO1, PSO2
				CO3	Compute and interpret the mode, the median, and the mean	PSO1, PSO2
				CO4	Evaluates the measures of dispersion	PSO2
				CO5	Calculate and test skewness and kurtosis	PSO2
8	VI	ECOC031	Quantitative Techniques - II	CO1	Interpret functions and apply to economic variables	PSO2
				CO2	Use the basic rules of Differentiation and Integration. Demonstrate the rules for calculating integration, describe the importance and application of integration in consumers' and producers' surpluses, total revenue and cost	PSO2, PSO3
				CO3	Calculate and interpret the correlation and Regression between two variables.	PSO1, PSO2
				CO4	Construct and interpret indexes to identify trends in a data set	PSO2, PSO3
				CO5	Apply various methods of time series analysis	PSO2, PSO3
9	VI	ECOC035	Rural Industrialisation	CO1	Understand various social and economic problems in rural areas.	PSO1
				CO2	Analyze the functioning of rural industries.	PSO2

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
				CO3	Apply the knowledge of investment functions and working of financial institutions.	PSO1, PSO2, PSO3
				CO4	Evaluate the policies and programmes for rural development and to develop industries.	PSO2, PSO3, PSO5
				CO5	Illustrate the pros and cons of Rural unemployment.	PSO3 & PSO5
10	VI	ECOC036	Rural Marketing	CO1	Define rural marketing and demonstrate the need for rural marketing	PSO1, PSO2, PSO3
				CO2	Analyze the stages of rural marketing and distributive channels of rural marketing	PSO2
				CO3	Evaluate marketed and marketable surplus	PSO3
				CO4	Explain the problems of agricultural marketing and functions of various regulatory organizations	PSO1, PSO2
				CO5	Examine the impact of WTO on Indian agriculture	PSO3, PSO4
11	VI	ECOC037	Project	CO1	Discuss the concept of research and Describe the Problem of objectivity in social science Research.	PSO1
				CO2	Identify the important conditions conducive to the formulation of hypotheses and Demonstrate to write the review of literature.	PSO1, PSO2, PSO3
				CO3	Define the term sample and describe the steps involved in the process of sampling and Make use of empirical and theoretical reviews.	PSO1, PSO2, PSO3
				CO4	Evaluate the different tools of data collection and Demonstrate the data to be classified according to the criteria.	PSO1, PSO2, PSO3
				CO5	Apply skills in writing of Project report and Develop the employability skills by acquiring the knowledge about data classification, presentation and research analysis.	PSO1, PSO2, PSO3

POLITICAL SCIENCE

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)

				CO1	Understand the nature, scope, and significance of political theory.	PSO1
1	I	POLC024	Introduction to Political Theory	CO2	Understand the various traditional and modern theories of political science.	PSO1
				CO3	Evaluate the theories of the origin of the state, elements and civil society and citizenship	PSO2
				CO4	Analyze critically the concepts of Liberty, Equality and Justice.	PSO2
				CO5	Interpret and assess information regarding kinds of Democracy.	PSO2
				CO6	Compare the procedure of various Rights and duties of government institutions.	PSO2
				CO7	Compare the protective discrimination and principles of fairness, democracy and economic growth	PSO2
2	II	POLC025	Indian Government and Politics	CO1	Demonstrate knowledge of the philosophy of the Indian constitution, classify the salient features in the making of the Indian constitution and understand the constitutional orderings and institutional arrangement.	PSO1
				CO2	Identify the various Government of India Acts, their provisions and reforms. Compare the union state relations	PSO1, PSO2
				CO3	Evaluate the evolution, functioning and consequences of political parties in India.	PSO2, PSO3, PSO4
				CO4	Identify the hindrances to national integration. Illustrate the challenges to secularism in India	PSO2, PSO3
				CO5	Make use of the fundamental rights and duties and the Directive Principle of State Policy	PSO2, PSO5
				CO6	Examine the social movements in India and inculcate the value of patriotism in the youth..	PSO3, PSO5
3	III	POLC026	Comparative Government and Politics	CO1	Discuss the major theories in comparative politics and demonstrate an understanding of political parties, electoral and political systems of the contemporary world	PSO1, PSO2, PSO4
				CO2	Compare and contrast the political structure in democratic and non-democratic states	PSO2
				CO3	Classify and analyze the modern political system of major nations in the world	PSO1, PSO2
				CO4	Estimate the nature of political institutions in developed and developing states	PSO1, PSO2, PSO4
				CO5	Evaluate the role of the state in the 20th century and in the Globalization era	PSO2, PSO4

4	IV	POLC027	Introduction to International Relations	CO1	Demonstrate an understanding of the scope, key concepts, theories and approaches in International Politics	PSO1
				CO2	Identify and analyze the key issues in International Relations	PSO2
				CO3	Identify the causes and consequences of the Cold War and analyze its impact on the Post- Cold War era	PSO1, PSO2
				CO4	Compare the internal and external dynamics of Indian Foreign Policy	PSO2, PSO4
				CO5	Examine India's bilateral relations with its neighbouring states	PSO2, PSO4
5	V	POLC028	Indian Political Thought	CO1	Evaluate the evolution and features of Indian Political Thought	PSO1, PSO2
				CO2	Demonstrate knowledge of key thinkers and their concepts like Gandhiji's on Non-Violence, Jyothi Rao Bha Phule's on Women Education, M.N. Roy's on Radical Humanism, J.P.Narayan's Sarvodaya movement , Nehru's views on Democracy and Influence of Ambedkarism on Contemporary Indian Politics.	PSO1
				CO3	Analyze the theories of ancient and modern political philosophy of Indian thinkers	PSO1, PSO2
				CO4	Apply the spirit of ahimsa and satyagraha through Gandhi's Ideology	PSO1, PSO3, PSO5
				CO5	Act to create a conducive society free from evils of caste and enhance the principles of Equality.	PSO1, PSO5
6	V	POLC029	Western Political Thought	CO1	Provide an insight into the dominant features of Ancient Western Political Thought: Ancient Greek political thought with focus on Aristotle and Plato and their contribution.	PSO1, PSO2
				CO2	Examine the features of Medieval Political Thought.	PSO1, PSO2
				CO3	Evaluate the political thought of Machiavelli towards the ruler.	PSO1, PSO2
				CO4	Critically examine Hobbes, Locke and Rousseau's contributions to the theory of Social Contract, Sovereignty; the science of materialist politics; Liberalism Freedom and Democracy; Bentham's Utilitarianism; and John Stuart Mill's views on liberty and representative government.	PSO2
				CO5	Analyze Hegel's views on Ideal state and Dialectics	PSO2
				CO6	Examine the ideas of Marxist scientific socialism.	PSO2
7	VI	POLC031	Principles of Public Administration	CO1	Understand nature, scope of public administration.	PSO1
				CO2	Understand the Classical, Human Relations and Socio-Psychological theories or approaches by various thinkers of public administration	PSO1

					CO3	Distinguish the Concepts of Hierarchy, Unity of Command, Span of Control and the changing paradigms.	PSO2, PSO4
					CO4	Understand the Concept of New Public Management	PSO1, PSO2
					CO5	Understand the concepts of Right to Information Act of India and e-Governance	PSO2
8	VI	POLC032		Local Self Government in Andhra Pradesh	CO1	Understand the historical background of the evolution and gradual growth of local governments in ancient, medieval and modern India.	PSO1
					CO2	Demonstrate knowledge of the recommendations of Balwant Rai Mehta and Ashok Mehta committees and provisions of constitutional amendment acts like 73rd and 74th amendments acts	PSO1
					CO3	Evaluate the working of rural and urban local bodies in Andhra Pradesh	PSO2, PSO3
					CO4	Understand and discuss the emerging patterns of Leadership in rural India.	PSO2, PSO4
9	VI	POLC033		Comparative Constutionalism- UK, USA, Swiss, France & South Africa	CO1	Demonstrate an understanding of the nature of the Constitutions of UK, USA, Swiss, France & South Africa	PSO1
					CO2	Identify the form of government in these nations	PSO1
					CO3	Classify the different types of Political systems	PSO1
					CO4	Conduct an intensive comparative study of the Executive, Legislature and the Judiciary (UK, USA, France Swiss and South Africa)	PSO2
10	VI	POLC034		Human Rights in a Comparative Perspective	CO1	Understand the historical growth of the idea of Human Rights with reference to Three Generation of Rights.	PSO1
					CO2	Demonstrate an awareness of the international context of human rights	PSO1
					CO3	Apply effective written and oral communication skills to business and legal situations	PSO2, PSO4
					CO4	Critically evaluate the reasons for the prevalence of caste, race and gender discriminations in India, U.S.A and South Africa	PSO2
					CO5	Analyze the impact of International organizations like U.N and Amnesty International in protecting and upholding human rights	PSO2
11	VI	POLC035		Political Sociology	CO1	Outline the scope and evolution of Political Sociology	PSO1
					CO2	Evaluate the concept of Political Modernization and Social Change- Role of Tradition and Modernity	PSO2
					CO3	Discuss the approaches to the study of Political Culture.	PSO1, PSO4

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
				CO4	Evaluate the different agents of Political Socialization and their interrelationships	PSO2
				CO5	Assess the approaches to Political Communication; Electoral Behaviour	PSO2, PSO4
12	VI	POLC039	Mini Project	CO1	Identify the social problems confronting the contemporary society	PSO1
				CO2	Communicate proficiently in oral, written, presentation, information searching and listening skills in research presentation	PSO4
				CO3	Analyse data and intrepret results for driving optimum solutions	PSO3
				CO4	Apply research methodologies to evaluate solutions for efficiency, effectiveness and sustainability	PSO2

ENGLISH LITERATURE

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	ENGLITC012	British Lit 14th C to18th C	CO1	Outline and interpret critical ideas, values and themes of different writers of different genres.	PSO1, PSO2
				CO2	Identify and define the poetic forms. and analyze poetry.	PSO2
				CO3	Analyze and evaluate the complex relation between language patterns and cultural values between authors, texts, specific social, political and historical contexts.	PSO2
				CO4	Demonstrate the practical, emotional, intellectual and creative aspects of language by integrating knowledge and skill.	PSO1, PSO2
				CO5	Gather, understand, evaluate and synthesize information from a variety of written and electronic sources.	PSO2
2	II	ENGLITC013	British Lit 18thC to Early 20th C	CO1	Extend the awareness of the Evolution theory of language by varied culture.	PSO1
				CO2	Analyze the various elements of poetry, such as diction, tone, form, genre, imagery, symbolism, theme etc	PSO2
				CO3	Develop reading, writing and analytical skills and communicate their ideas critically, creatively and persuasively through the medium of language.	PSO2, PSO3, PSO4
				CO4	Demonstrate knowledge of the rhetorical aspect of Drama, its historical context and psycho- social aspects.	PSO1
				CO5	Ethically gather, understand, evaluate and synthesize skills from a variety of written and electronic sources.	PSO2
3	III	ENGLITC014	Indian Writing in English	CO1	Interpret the works of great Indian writers in English.	PSO2

					CO2	Appreciate the artistic and innovative use of language employed by writers to instill values and develop human concern through literary texts.	PSO1, PSO5
					CO3	Identify social, political, and cultural issues reflected in Indian writing in English, with reference to Indian social reformations.	PSO2, PSO3
					CO4	Develop literary sensibility and emotional response to literary texts.	PSO2, PSO4
4	IV	ENGLITC015	American Literature		CO1	Identify key ideas, representative authors and works, significant historical or cultural events, and characteristic perspectives or attitudes expressed in American literature of different periods or regions.	PSO1
					CO2	Analyze the complex relationships between authors, texts, write critical essays and present papers.	PSO1, PSO2
					CO3	Demonstrate knowledge of the development of characteristic forms or styles of expression during different historical periods in different regions in American Literature	PSO1
					CO4	Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities	PSO4
5	V	ENGLITC016	Women's Writings		CO1	Explore literary texts through the feminist perspective and contextualize them within historical, social and cultural contexts	PSO1
					CO2	Analyze and engage in theoretical and scholarly debates about women's writings and relate them to real world situations.	PSO2, PSO3, PSO4
					CO3	Articulate connections between global, regional, and local issues and their relationship to women's experiences with an awareness of the importance of context.	PSO3, PSO4, PSO5
					CO4	Synthesize the ideas from the course and present their own analytical arguments in writing.	PSO2, PSO4
6	V	ENGLITC017	Post-Colonial Literature		CO1	Possess a coherent knowledge and a critical understanding of postcolonial literature and its key historical, cultural and theoretical developments.	PSO1
					CO2	Compare, discuss and explain interconnections and functions of postcolonial literature and its contexts, including comparative and interdisciplinary issues.	PSO2, PSO3 & PSO4
					CO3	Critically evaluate arguments and assumptions about postcolonial literature, texts, and modes of interpretation.	PSO1, PSO2
					CO4	Communicate arguments effectively and show a degree of independent thinking in so doing.	PSO4
					CO1	Understand the theories of literary criticism and apply them to the analysis of texts.	PSO1, PSO2

				CO2	Identify, define and use various figures of speech in appreciating poetry.	PSO2
7	VI	ENGLITC018	Literary Theory, History of English Language & Criticism	CO3	Comprehend the basics of the History of English Language and enhance usage of English.	PSO2, PSO3
				CO4	Evaluate poetry of various forms, periods and cultures and develop writing skills.	PSO2
8	VI	ENGLITC019	Literary Criticism & History of English Literature	CO1	Identify and interpret critical ideas values and themes of literary texts which impact culture and society in different periods.	PSO2
				CO2	Examine major theoretical and critical movements and the concepts associated with them and apply them to literary and cultural texts	PSO1, PSO2
				CO3	Evaluate the strengths and limitations of critical/theoretical arguments	PSO2
				CO4	Strengthen critical reading writing and interpretive practices	PSO2, PSO4
9	VI	ENGLITC020	Indian Writing in English Translations	CO1	Demonstrate an understanding of the basics of translation.	PSO1
				CO2	Apply the principles of literary appreciation to appraise select poems, short stories, dramas and novels.	PSO2
				CO3	Analyse the cultural context and cross cultural perspectives in translations.	PSO2, PSO4
				CO4	Develop a comparative perspective to study the texts.	PSO2
				CO5	Critically engage with significant social issues like caste and gender.	PSO5
10	VI	ENGLITC021	World Literatures	CO1	Outline and interpret the critical ideas, values and themes of different writers of different genres.	PSO1
				CO2	Analyse and evaluate the salient features of writings from various cultures to build the complex relationships between language patterns and cultural values, between authors, texts and specific social, political and historic contexts.	PSO2, PSO4
				CO3	Demonstrate the practical, emotional, intellectual and creative aspects of language by integrating knowledge and skills.	PSO2

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
				CO4	Gather, understand, evaluate and synthesize information from a variety of written and electronic sources.	PSO2, PSO4
					TOURISM AND TRAVEL MANAGEMENT	
1	I	TTMC034	Concepts of Tourism	CO1	Understand the nature, concept and scope of Tourism	PSO1
				CO2	Remember the types and typologies of tourism	PSO1
				CO3	Comprehend the growth of Tourism over the ages using additional OE resources available in the internet and modern ICT tools.	PSO1, PSO2
				CO4	Analyse the role of various sectors of Tourism	PSO2
				CO5	Evaluate the socio-economic impact of Tourism	PSO2
2	II	TTMC035	Tourism resources of Andhra Pradesh	CO1	Understand the importance of Tourism resources to the development and promotion of tourism	PSO1
				CO2	Remember the various cultural and natural resources of Andhra Pradesh and their location	PSO1
				CO3	Analyse the existing the infrastructure conducive to the development of Tourism	PSO2, PSO4
				CO4	Evaluate the impact of Tourism on the development of Eco-tourism using additional OE resources available in the internet using ICT tools.	PSO2
				CO5	Create interest in Heritage Tourism and its importance to the development of Tourism	PSO2, PSO5
3	III	TTMCO36	Tourism Policy, Planning and Development	CO1	Understand the need for Planning and policy by the Govt.	PSO1
				CO2	Relate the various key points of Tourism plans and their importance to the development of Tourism	PSO1, PSO2
				CO3	Apply the essence of tourism planning and policies to the present scenario.	PSO1, PSO3, PSO4
				CO4	Analyse the role of Govt. in the development of Tourism using additional OE resources available in the internet using modern ICT tools.	PSO2

				CO5	Evaluate the AP Tourism policy, assess the existing facilities and demonstrate abilities to promote tourism in the best possible manner.	PSO3,PSO4
4	IV	TTMC037	Travel Management	CO1	Understand the relevance of various travel organizations using additional OE resources available in the internet using modern ICT tools.	PSO1, PSO2
				CO2	Describe various Travel Organizations and their role in furthering the business of Travel	PSO1
				CO3	Analyse and evaluate the role of Travel Agency and tour operators in the promotion of Tourism and tourist itinerary	PSO1, PSO2
				CO4	Apply the concept of tour packaging to the development of Tourism and the business of a Tour operator/travel agent.	PSO1, PSO3, PSO4
				CO5	Demonstrate creativity and design a Tour brochure.	PSO1, PSO3
5	IV	TTMCO38	Mini Project	CO1	Gain knowledge of the various touristic and historical sites using additional OE resources available in the internet using modern ICT tools.	PSO1, PSO4
				CO2	Understand the importance of Tourist resources and their management	PSO1
				CO3	Analyse the touristic facilities and their role in the promotion of Tourism	PSO1, PSO2
				CO4	Evaluate the pattern of Touristic behaviour and their use of touristic sites	PSO1, PSO2, PSO3, PSO4
				CO5	Create interest in travel and travel writing	PSO1& 3
6	V	TTMC039	Tourism Management	CO1	Summarize the concept of Management and its relevance to Tourism	PSO1
				CO2	Identify the various management systems using additional OE resources available in the internet using modern ICT tools.	PSO1
				CO3	Apply the concepts of Tourism management to any given job related to the running of Tourism sectors or businesses	PSO1, PSO2, PSO3
				CO4	Analyse and evaluate the role of various travel organizations in the development and promotion of Tourism	PSO2
				CO5	Discuss the management of destination and its prospects	PSO1, PSO3, PSO4
7	V	TTMC040		CO1	Understand the importance of History to Tourism	PSO1

					CO2	Remember the various historical, cultural, religious touristic resources of India using additional OE resources available in the internet using modern ICT tools..	PSO1
				Tourism resources of India	CO3	Analyse the importance of resources, both natural and otherwise, to the development of Tourism	PSO1, PSO2
					CO4	Evaluate tourism in terms of a catalyst for Tourism development	PSO2, PSO4
					CO5	Create travel plans and circuits in collaboration with the related travel sectors	PSO3
8	VI	TTMC041		Tourism Marketing	CO1	Understand the concept of marketing and remember the key terminology.	PSO1
					CO2	Explain the concept of marketing research, concept of primary data, secondary data, MIS and its functions.	PSO1
					CO3	Analyse the concept of Marketing Mix in Tourism industry using additional OE resources available in the internet using modern ICT tools.	PSO2
					CO4	Evaluate the major tools of Promotion Mix, distribution definition, factors influencing the distribution policy.	PSO2, PSO4
					CO5	Understand the necessary attributes for an ideal tourist destination and create interest by explaining marketing strategy for promotion and development of a tourism destination	PSO2, PSO3, PSO4
9	VI	TTMCO44		Accommodation Management	CO1	Understand the emergence of accommodation-hotel, motel.	PSO1
					CO2	Remember the types of hotels-international and national/domestic.	PSO1
					CO3	Analyse the evolution of lodging industry using additional OE resources, internet using modern ICT Tools.	PSO1, PSO2
					CO4	Evaluate the business of a hotel-housekeeping and other departments.	PSO1, PSO2
					CO5	Create new menus and explain the preparation of balanced diet.	PSO1, PSO3, PSO4
10	VI	TTMCO45		Eco-tourism and sustainable development	CO1	Understand the concept of Eco tourism	PSO1
					CO2	Remember the key terms related to Ecotourism	PSO1
					CO3	Explain the various forms of Ecotourism	PSO1
					CO4	Analyse the eco-system and its types using additional OE resources available in the internet using modern ICT tools	PSO2

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
				CO5	Evaluate the impacts of Ecotourism and motivate people to promote sustainable development.	PSO3, PSO4, PSO5
11	VI	TTMC046	Tourism Major Project	CO1	Demonstrate practical knowledge aided by visual information to motivate in seeking employment in the various sectors of Tourism.	PSO2, PSO3, PSO5
				CO2	Demonstrate in-depth knowledge about the Tourism industry from the practical point of view	PSO2, PSO3
				CO3	Write comprehensive reports based on the knowledge gained during practical training	PSO3,PSO4
				CO4	Analyse the collected material, compile and prepare a Project Report	PSO2, PSO3, PSO4
				CO5	Evaluate the role of the Tourism industry in the socio-economic development of the country.	PSO2, PSO3,PSO4

<div align="center">**SOCIAL WORK**</div>

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	SWC023	S.W Profession Philosophy& Concepts-I	CO1	Describe the meaning of social work and fields related to social work.	PSO1
				CO2	Analyse the goals of social work and apply them in social service settings	PSO1, PSO2
				CO3	Evaluate the social reform movements in India	PSO3
				CO4	Identify a framework for social work as a profession	PSO2
				CO5	Apply the concepts of social services	PSO1, PSO2
2	II	SWC024	Social Work Profession, Philosophy and Concepts-II	CO1	Demonstrate the types of personality in view of understanding human behaviour	PSO1
				CO2	Develop an analytical view of the stages of human growth and development	PSO1, PSO2
				CO3	Apply motivational and learning theories in life situations	PSO3
				CO4	Evaluate and apply comprehensive assessments to understand human behaviour.	PSO3
				CO5	Attempt an understanding of counselling and its types.	PSO2
3	III	SWC026	Social Work Methods - I	CO1	Apply the principles of case work in dealing with individuals.	PSO2, PSO3

				CO2	Critically analyse the process of case work	PSO2
				CO3	Identify the techniques and skills in case work	PSO2
				CO4	Develop an outlook on the historical development of group work	PSO1, PSO2
				CO5	Attempt a creative frame work on community organizations	PSO4, PSO5
				CO6	Explain the clear frame work on social action and its stages	PSO2, PSO4
4	IV	SWC027	Social Work Method - II	CO1	Identify social research methods and classify its types	PSO2
				CO2	Formulate a research process	PSO3, PSO4
				CO3	Evaluate the meaning and the types of research designs	PSO2
				CO4	Apply the types of sampling methods for research	PSO2, PSO3, PSO4
				CO5	Construct the methods of data collection examples	PSO1
				CO6	Analyse the processing of data	PSO2
5	V	SWC029	Women & Child Development	CO1	Analyse the roles and status of women in India	PSO2
				CO2	Identify the concepts of gender and sex	PSO2
				CO3	Critically evaluate the problems related to gender	PSO2, PSO3
				CO4	Evaluate violence against women	PSO3
				CO5	Interpret the concept of child and its problems	PSO2, PSO3
				CO6	Develop field based outlook on programmes for women and children in India	PSO3
6	V	SWC030	Criminology & Correctional Administration	CO1	Identify the types of crime in Indian society	PSO2
				CO2	Apply an appropriate theoretical frame work on the theories of criminology	PSO1, PSO2
				CO3	Analyse the types and causes of criminology	PSO2
				CO4	Develop critical thinking on correctional administration	PSO2, PSO3
				CO5	Evaluate the forensic sciences	PSO2
				CO6	Identify the social legislation related to crime	PSO1
7	VI	SWC032	NGO Management	CO1	Demonstrate an understanding of NGOs	PSO1
				CO2	Design the financial management of NGOs	PSO2, PSO3
				CO3	Construct a frame work on management and the functions of NGOs	PSO3
				CO4	Categorize the stakeholders of NGOs	PSO2

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
				CO5	Evaluate Corporate Social Responsibility	PSO3, PSO4
8	VI	SWC033	Social problems and Social legislations	CO1	Analyse the environmental influences on social problems	PSO3
				CO2	Examine the social problems in India	PSO2
				CO3	Discuss the review of the impact of globalization	PSO4
				CO4	Evaluate the services of GOs and NGOs for the welfare of the people	PSO3
9	VI	SWC034	Medical & Psychiatric Social work	CO1	Demonstrate knowledge of Medical Social Work	PSO1
				CO2	Elaborate on anxiety disorders	PSO1
				CO3	Apply appropriate communication in hospital settings	PSO3
				CO4	Justify personality disorders	PSO2
				CO5	Analyse mental retardation	PSO2
				CO6	Explain eating disorders	PSO1
10	VI	SWC035	Project Work	CO1	Understand the research methodology and its applications	PSO3
				CO2	Analyze the particular problems of the people	PSO2
				CO3	Apply goals of social work in the research	PSO5
				CO4	Create a new insights to reach finding	PSO4
				CO5	Develop the skill in recoding and interpreting	PSO1

JOURNALISM

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	JOURC001	History of Journalism and Mass Media	CO1	Understand mass media and the history of Indian Journalism	PSO1
				CO2	Discuss the growth of the press in modern India	PSO2
				CO3	Define the types of Lead and their importance .	PSO1
				CO4	Design the news writing in the body of the story.	PSO3
				CO5	Construct writings in special features.	PSO1
2	II	JOURC002	Principles of Communication	CO1	Define Elements and process of Communication	PSO1
				CO2	Evaluate the importance of different communication theories	PSO2
				CO3	Identify the relationships between culture and communication	PSO2, PSO3

					CO4	Analyse the effectiveness of verbal and non-verbal communication	PSO2, PSO4
					CO5	Understand the goals and importance of Mass Society	PSO2
3	III	JOURC003	Journalism Writing Skills		CO1	Demonstrate the basics of good journalistic writing	PSO1
					CO2	Define the types of Leads and their importance	PSO1
					CO3	Design the news writing in the body of the story.	PSO6
					CO4	Construct writings in special features	PSO6
					CO5	Understand and evaluate the important rules for writing headlines	PSO2
4	IV	JOURC004	Reporting and Editing		CO1	Understand the different roles in Reporting.	PSO1
					CO2	Explain the key roles in newspaper organization.	PSO1
					CO3	Identify the different types of reporting and their importance	PSO1
					CO4	Compare the internal and external in various types of publishing.	PSO2
					CO5	Collaborate the different forms of editing process	PSO3
5	V	JOURC005	Radio and Television Journalism		CO1	Explain the characteristics of radio and different programming formats.	PSO1
					CO2	Interpret the duties and responsibilities of radio staff	PSO1
					CO3	Classify the different developments in Indian Television	PSO1, PSO2
					CO4	Role- play the production crew in Broadcasting	PSO3
					CO5	Illustrate and explain AIR,DD&PB	PSO2
6	V	JOURC006	Advertising		CO1	Remember the role of advertising and its role in society	PSO1
					CO2	Determine the concept and various phases of advertising	PSO1
					CO3	Design the different elements of Advertising	PSO3
					CO4	Contrast the various departments in advertising agency	PSO2
					CO5	Create different kinds of AD Making	PSO2, PSO4
7	VI	JOURC007	Media and Law ethics		CO1	Explain basic legal terminology in Article 19(1A)	PSO1
					CO2	Remember the Media laws in Indian Press	PSO1
					CO3	Sketch the infringement of Copy Right Act in Mass Media	PSO2
					CO4	Define the Issues in RTI Act 2005	PSO2
					CO5	Explain Media Ethics in Media Laws	PSO1

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
8	VI	JOURC008	Public Relations	CO1	Explain various Concepts of Public relations	PSO1
				CO2	Discuss PR as a discipline of Corporate Communication	PSO3
				CO3	Formulate the principles of PR	PSO1
				CO4	Plan for Public Relations campaigns	PSO3
9	VI	JOURC011	Introduction to New Media and Film Making	CO1	Demonstrate the growth and components of New Media	PSO1
				CO2	Explain the Tools in Writing for New Media	PSO1
				CO3	Sketch the evolution and characteristics of Film Making	PSO1
				CO4	Interpret Camera-Controls and Operations	PSO2
				CO5	Classify the stages in Film Making	PSO1
10	VI	JOURC012	Project	CO1	Apply skills in solving problems	PSO2, PSO3
				CO2	Develop critical thinking and time management	PSO6
				CO3	Apply learnt experience to real world situations	PSO3, PSO6

COMMERCE

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	COMMCO85	Financial Accounting	CO1	Demonstrate an understanding of the concepts and principles of accounting.	PSO1
				CO2	Prepare different types of subsidiary books.	PSO2
				CO3	Identify and rectify errors in bank reconciliation statements.	PSO3
				CO4	Compile data for preparation of financial statements.	PSO4
2	I	COMMC087	Business Statistics	CO1	Explain fundamental concepts of business statistics.	PSO1
				CO2	Apply measures of central tendency and dispersion for the given data.	PSO2
				CO3	Identify relationship between two variables.	PSO3
				CO4	Evaluate seasonal tendencies for decision making in a business.	PS04
3	I	COMMC132	Principles of Management	CO1	Explain concepts and principles of Management.	PSO1
				CO2	Demonstrate an understanding various functions of Management.	PSO1

				CO3	Apply decision making skills for organisational effectiveness.	PSO5
				CO4	Develop communication and leadership skills.	PSO5
4	I	COMMC089	Income Tax Law and Practice- I	CO1	Demonstrate an understanding of the concepts of Income tax.	PSO1
				CO2	Determine Residential status of a person.	PSO2
				CO3	Identify the exempted incomes as per income tax act 1961.	PSO3
				CO4	Compute agricultural, Salary and House property income.	PSO2
5	I	COMMC090	Tally	CO1	Demonstrate an understanding of the basic concepts of computerised accounting.	PSO1
				CO2	Create inventory and cost centres of trading and manufacturing organisations.	PSO2
				CO3	Create a company and enter accounting vouchers and financial data of the company.	PSO2
				CO4	Generate financial and VAT reports for managerial decisions.	PSO2
6	I	COMMC091	Advanced Accounting	CO1	Prepare statement of accounting affairs.	PSO2
				CO2	Apply different methods of calculation of interest and depreciation for firms.	PSO2
				CO3	Identify financial status of different branches and departments.	PSO3
				CO4	Explain accounting treatment of shares and debentures.	PSO2
7	I	COMMC092	Business Environment	CO1	Demonstrate an understanding of the concepts of the Business Environment.	PSO1
				CO2	Identify the factors contributing to the Economic Development.	PSO3
				CO3	Describe different Economic Policies contributing to the development of Indian economy.	PSO1
				CO4	Explain the social, political and legal factors influencing Indian economy.	PSO1
8	I	COMMCO95	Income Tax Law and Practice - II	CO1	Compute Business/Professional incomes.	PSO2
				CO2	Compute Capital gains & income from other sources.	PSO2
				CO3	Determine the incomes to be clubbed and losses to be set off and carry forward and deductions under 80.	PSO3
				CO4	Compute total income and tax liability	PSO2, PSO4

				CO1	Describe banking concepts, theories and issues in practice.	PSO1
9	III	COMMC096	Banking Theory and Practice	CO2	Identify various procedural operations of banking institutions.	PSO3
				CO3	Determine the functioning of Regional Rural Banks and NABARD.	PSO2
				CO4	Explain the relationship between the banker and the customer.	PSO1
10	III	COMMC097	Corporate Accounting	CO1	Explain accounting procedures for share capital and debentures.	PSO1
				CO2	Determine the value of goodwill and equity share of a firm.	PSO2
				CO3	Prepare company final accounts.	PSO2
				CO4	Apply accounting treatment for internal reconstruction.	PSO2
11	III	COMMC099	Business Correspondence & Report Writing	CO1	Demonstrate communication process and barriers in organisation.	PSO1
				CO2	Describe various types of organizational communication.	PSO2
				CO3	Draft effective business correspondence.	PSO5
12	III	COMMC100	Income Tax Practice & Procedures I	CO1	Categorise various methods of assessment procedures.	PSO2
				CO2	Demonstrate tax planning as per tax provisions.	PSO1
				CO3	Compute the assessment of individuals and HUF.	PSO5
				CO4	Determine penalties as per income tax rules and regulations.	PSO3
13	III	COMMC107	Business Law	CO1	Explain different types of contracts.	PSO1
				CO2	Discuss the essentials of offer, acceptance and consideration.	PSO1
				CO3	Describe sale contracts, rights of unpaid seller and negotiable instruments.	PSO2
				CO4	Demonstrate an understanding of cyber laws.	PSO3
14	IV	COMMC101	Accounts for Service Organisation	CO1	Prepare accounts for non- trading and service organisations.	PSO2
				CO2	Explain different types of accounts for electricity supply companies.	PSO1
				CO3	Determine accounting framework for commercial banks and insurance companies.	PSO2
				CO4	Evaluate accounting systems of different service organisations.	PSO4
15	IV	COMMC103	E-Commerce	CO1	Explain the fundamental concepts of E-commerce.	PSO1
				CO2	Demonstrate an understanding of different models and methods of E-payments.	PSO2
				CO3	Examine the ethical, social and security issues in E-Trade.	PSO3

				CO4	Develop webpage for business enterprises.	PSO5
16	IV	COMMC104	Income Tax Law & Practice	CO1	Demonstrate an understanding of concepts of income tax.	PSO1
				CO2	Determine the residential status of a person.	PSO2
				CO3	Compute the income under different heads of income.	PSO2
				CO4	Compute Total Income & Tax liability.	PSO4
17	IV	COMMC105	Income Tax Law & Procedures -II	CO1	Compute total income & tax liability of partnership firms and AOP.	PSO2
				CO2	Assess the total income of companies.	PSO4
				CO3	Demonstrate an understanding of powers of income tax authorities.	PSO3
				CO4	Explain the concepts of tax planning in case of individuals and HUF.	PSO1
18	IV	COMMC108	Company Law	CO1	Discuss the characteristics of various types of companies and the incorporation procedure.	PSO1
				CO2	Summarise the various documents needed to float a company.	PSO2
				CO3	Demonstrate an understanding of the classification, appointment, powers and duties of various managerial positions in a company.	PSO2
				CO4	Appraise the provisions related to dividends, books of accounts and audit.	PSO4
19	V	COMMC109	Cost Accounting	CO1	Explain cost concepts and classifications.	PSO1
				CO2	Determine the elements of cost.	PSO2
				CO3	Demonstrate an understanding of various methods of costing.	PSO1
				CO4	Analyse and interpret techniques in costing.	PSO4
20	V	COMMC110	Marketing	CO1	Demonstrate an understanding of fundamental concepts of Marketing.	PSO1
				CO2	Apply Marketing Mix for products and services.	PSO5
				CO3	Examine the process of Marketing in corporate organizations.	PSO2
				CO4	Analyse the strategies applied by Marketing Managers to solve business problems.	PSO5
21	V	COMMC113	Financial Management	CO1	Explain different financial decisions in organisations.	PSO1
				CO2	Identify various sources of finance.	PSO3
				CO3	Discuss different capital structures.	PSO2

				CO4	Evaluate working capital management and investment appraisal techniques.	PSO4
22	V	COMMC114	Advanced Corporate Accounting	CO1	Prepare consolidated balance sheet for holding companies and purchase consideration for amalgamation of companies.	PSO2
				CO2	Compute financial statement of affairs for liquidation of companies.	PSO2
				CO3	Determine accounting treatment for leasing.	PSO3
				CO4	Explain the procedure for hotel accounts.	PSO1
23	V	COMMC117	Tax planning & Management	CO1	Demonstrate the concepts of Tax planning.	PSO1
				CO2	Determine Financial and Managerial decisions as per tax planning.	PSO5
				CO3	Analyse the impact of tax on foreign income.	PSO4
				CO4	Apply the provisions for relief of Double Taxation for Domestic companies.	PSO2
24	V	COMMC118	Customs Law & Practice -I	CO1	Demonstrate an understanding of basic concepts of customs law.	PS01
				CO2	Compute the customs duty.	PSO2
				CO3	Determine the Value of Imported Goods and Export Goods (Custom Valuation Rules.)	PSO1
				CO4	Explain duty drawback on re-export.	PSO1
25	V	COMMC120	Project management	CO1	Explain the process of project management.	PSO1
				CO2	Examine the productivity and challenges of project management.	PSO2
				CO3	Identify the process, execution and control of a project.	PSO3
26	V	COMMC133	Fundamentals of GST	CO1	Demonstrate an understanding of the fundamental concepts of GST.	PSO1
				CO2	Determine the taxable event as per GST Act.	PSO2
				CO3	Analyse the provisions of levy, collection & input tax credit.	PSO4
				CO4	Classify intra and interstate GST transactions.	PSO3
27	V	COMM134	Financial Services & Markets	CO1	Explain the concepts of financial services.	PSO1
				CO2	Identify the role of financial services in economic development.	PSO3
				CO3	Explain the activities of leasing, Hire purchase and House Finance.	PSO1
				CO4	Identify different financial services in India.	PSO3
28	VI	COMMC121	Management Accounting	CO1	Explain concepts of management accounting.	PSO1

				CO2	Analyse Financial Statements of various organizations.	PSO4
				CO3	Apply optimal managerial decisions for organisational effectiveness	PSO5
				CO4	Evaluate overall financial position of the concern.	PSO4
29	VI	COMMC122	Commercial Geography	CO1	Identify the causes of global warming & measures to protect earth.	PSO3
				CO2	Classify the productivity of different major crops & their development.	PSO2
				CO3	Explain the process to maintain ecological balances.	PSO1
				CO4	Describe interlinking of water resources and ecosystem in India.	PSO5
30	VI	COMMC123	Auditing	CO1	Identify the financial state of affairs and corporate frauds.	PSO3
				CO2	Classify different types of Audit in various forms of organisation.	PSO2
				CO3	Develop an audit programme for checking and internal controlling of an organisation.	PSO5
				CO4	Analyse and interpret cash and trading transactions of a business.	PSO4
31	VI	COMMC124	Emerging Areas in Accounting	CO1	Demonstrate an understanding of human resource accounting models.	PSO1
				CO2	Identify social accounting of business activities.	PSO3
				CO3	Apply techniques in inflation accounting.	PSO2
				CO4	Explain special areas in accounting.	PSO1
32	VI	COMMC125	Financial Marketing	CO1	Determine the participants in the financial markets.	PSO1
				CO2	Describe the role of primary and secondary markets and instruments.	PSO1
				CO3	Explain clearing and settlement procedures of securities in trading.	PSO2
				CO4	Demonstrate an understanding of stock indices and stock exchange regulations in India.	PSO2
33	VI	COMMC128	Customs Law & Practice -II	CO1	Demonstrate the procedures relating to clearance of baggage.	PSO2
				CO2	Describe provisions, remissions and demands in customs.	PSO1
				CO3	Determine the procedure for warehouse maintenance in customs.	PSO2
				CO4	Identify the powers of customs officers.	PSO3
34	VI	COMMC135	Goods & Service Tax	CO1	Describe registration and filing of GST returns.	PSO2
				CO2	Explain administrative and assessment procedure under GST.	PSO2

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
				CO3	Categorize IGST & CGST on Exports and imports based on e-commerce transactions.	PSO3
				CO4	Compute levy on tax and apportionment of GST.	PSO2
35	VI	COMMC130	Event Management	CO1	Explain different types of events based on customer requirements.	PSO1
				CO2	Analyse various outdoor events and risks involved.	PSO2
				CO3	Examine contract negotiations for different events.	PSO5

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MANAGEMENT STUDIES

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S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	BMSC035	Financial Accounting	CO1	Demonstrate an understanding of the concepts and principles of accounting.	PSO1
				CO2	Prepare different types of subsidiary books and final accounts.	PSO4
				CO3	Identify and rectify the errors based on accounting principles.	PSO4
				CO4	Analyse the financial position of a concern.	PSO4
2	I	BMSC036	Business Correspondence And Report Writing	CO1	Demonstrate an understanding of Communication process and barriers in an organization.	PSO1
				CO2	Describe various types of organisational communication.	PSO2
				CO3	Draft effective business correspondence with brevity and clarity.	PSO4
3	I	BMSC070	Principles of Management	CO1	Explain concepts and principles of Management.	PSO1
				CO2	Demonstrate an understanding of various functions of Management.	PSO2
				CO3	Apply decision making skills for organisational effectiveness.	PSO3
				CO4	Develop communication and leadership skills.	PSO4
4	I	BMSC037	Statistics for Business Decisions	CO1	Explain the fundamental concepts of business statistics	PSO1
				CO2	Apply measures of Central Tendency and Dispersion	PSO3
				CO3	Identify the relationship between two variables using various statistical techniques.	PSO2
				CO4	Develop decision making skills and solve business problems	PSO3
5	II	BMSC039	Entrepreneurship Development	CO1	Explain the concepts of entrepreneurship and new project investment.	PSO1
				CO2	Develop creativity and new business ideas.	PSO4

				CO3	Describe the concepts of family business and social entrepreneurship.	PSO4
				CO4	Identify various challenges faced by women in business.	PSO4
6	II	BMSC041	Business Environment	CO1	Demonstrate and understanding of the concepts of Business Environment.	PSO1
				CO2	Identify the factors contributing to the Economic Development.	PSO2
				CO3	Describe different Economic Policies contributing to development of Indian economy.	PSO1
				CO4	Explain the social, political, legal factors influencing the Indian business.	PSO1
7	II	BMSC071	Organisational Behaviour	CO1	Explain the fundamental concepts and models of OB	PSO1
				CO2	Describe the factors influencing individual behaviour and group dynamics.	PSO2
				CO3	Identify the reasons and resolution of organisational conflicts.	PSO3
				CO4	Explain organisational development organisational change process.	PSO2
8	III	BMSC043	Tax Planning	CO1	Explain different concepts of income tax	PSO1
				CO2	Determine the residential status of a person.	PSO2
				CO3	Compute the income under different heads of income.	PSO3
				CO4	Computation of Total Income & Tax liability.	PSO3
				CO5	Identify various provisions in corporate tax.	PSO1
9	III	BMSC044	Business Research	CO1	Explain the fundamental concepts of research.	PSO2
				CO2	Demonstrate different steps in business research.	PSO4
				CO3	Apply research to solve business problems.	PSO1
10	III	BMSC046	E-Commerce	CO1	Explain the fundamental concepts of E-commerce.	PSO3
				CO2	Describe different models and methods of e-payment	PSO2
				CO3	Examine the ethical, social, and security issues in e-trade.	PSO4
				CO4	Develop web page for business enterprises.	PSO1
11	III	BMSC072	Principles of Marketing	CO1	Explain the fundamental concepts and principles of marketing.	PSO3
				CO2	Apply Marketing Mix for products and services.	PSO2
				CO3	Examine the process of Marketing in corporate organizations.	PSO3

					CO4	Analyse the strategies by marketing managers to solve business problems.	PSO1
12	IV	BMSC048	Financial Management	CO1	Explain the role of finance function in an organization.	PSO2
				CO2	Identify various sources of finance .	PSO4
				CO3	Discuss different capital structures.	PSO3
				CO4	Evaluate working capital management and investment appraisal techniques.	PSO1
13	IV	BMSC049	Production & Operations Management	CO1	Describe the concepts of Production and Operations Management.	PSO3
				CO2	Explain the process of plant layout and plant location.	PSO2
				CO3	Determine the Production planning and Production control.	PSO4
				CO4	Enumerate the work study methods.	PSO1
				CO5	Explain Quality Management techniques	PSO1
14	IV	BMSC050	Human Resource Management	CO1	Explain the fundamental concepts of human resource management	PSO1
				CO2	Describe various human resource management activities that influence the effective functioning of an organisation	PSO2
				CO3	Determine the role of Industrial relations in establishing congenial atmosphere.	PSO3
15	IV	BMSC073	International Business	CO1	Explain Global Business Environment.	PSO1
				CO2	Determine the role of international monitory system.	PSO2
				CO3	Examine the implications of international trade and investment theories.	PSO3
				CO4	Interpret the basic decisions of entry into international business.	PSO3
16	V	BMSC054	Business Law	CO1	Demonstrate an understanding of different types of Contracts.	PSO2
				CO2	Explain the essentials of a valid offer, acceptance and consideration.	PSO1
				CO3	Describe contract of sale and rights of unpaid seller and negotiable instruments.	PSO2
				CO4	Explain Environmental Protection Act, Consumer Protection Act 1986 and Information Technology Act 2000.	PSO4
17	V	BMSC052	Cost Accounting	CO1	Explain cost concepts and classification.	PSO1
				CO2	Determine the elements of cost.	PSO2

#	Sem	Code	Course	CO	Description	PSO
				CO3	Demonstrate various methods of costing.	PSO1
				CO4	Analyse and implement techniques of costing.	PSO3
18	V	BMSC055	Logistic & Supply Chain Management	CO1	Explain different concepts & principles of Logistics and supply chain management.	PSO1
				CO2	Identify different participants of the Supply Chain process at national and global level.	PSO2
				CO3	Analyse various inventory control methods.	PSO3
				CO4	Evaluate the inter-relationship between supply chain drivers and enablers.	PSO3
19	V	BMSC056	Marketing of Services	CO1	Explain the fundamental concepts of marketing of services.	PSO1
				CO2	Distinguish marketing of products and services.	PSO2
				CO3	Examine the challenges faced by the service marketer.	PSO3
				CO4	Evaluate the strategies of the various services.	PSO3
20	V	BMSC057	Retail Management	CO1	Explain the fundamental concepts of retailing	PSO1
				CO2	Identify various formats and store layouts to setup an organised retail store	PSO2
				CO3	Analyse current retailing trends.	PSO2
				CO4	Determine various price and promotional strategies in retailing.	PSO3
21	V	BMSC060	Business Leadership	CO1	Explain the role and importance of leadership.	PSO1
				CO2	Demonstrate effective leadership styles.	PSO4
22	VI	BMSC061	Business Strategy	CO1	Explain the core concepts in strategic management and their application to current business scenarios.	PSO1
				CO2	Formulate strategies and strategic plans.	PSO4
				CO3	Evaluate challenges faced by managers in implementing strategies.	PSO3
				CO4	Analyse strategies of various corporate organisations.	PSO3
23	VI	BMSC062	Medium & Small Enterprises Management	CO1	Explain the concepts of Medium and Small Enterprises.	PSO1
				CO2	Relate various Management functions to Medium and Small Scale enterprises.	PSO2
				CO3	Identify the causes and remedial measures of sickness in SMEs.	PSO2
				CO4	Describe various institutions that support Medium and Small Enterprises.	PSO2

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
24	VI	BMSC063	Project Evaluation And Management	CO1	Demonstrate the fundamental concepts of project management.	PSO1
				CO2	Evaluate project planning and implementation in the changing environment.	PSO3
				CO3	Explain the processes a practitioner undertakes to achieve project goals.	PSO1
				CO4	Analyse the contemporary project management tools and methodologies.	PSO2
25	VI	BMSC064	Global Marketing	CO1	Understand the dynamics of global marketing.	PSO1
				CO2	Interpret the basic decisions of entry into international business.	PSO3
				CO3	Determine the product and pricing decisions at global markets.	PSO3
				CO4	Identify channels of distribution in foreign markets	PSO2
26	VI	BMSC065	Advertising and Media Management	CO1	Demonstrate the role and importance of advertising	PSO1
				CO2	Explain the elements of public relations and types of advertising	PSO2
				CO3	Describe the concepts of brand management.	PSO1
				CO4	Develop advertising research and media planning.	PSO4
27	VI	BMSC068	Event Management	CO1	Describe different types of events based on customer requirements.	PSO1
				CO2	Identify various challenges and risks involved and preventive measures to be taken.	PSO2
				CO3	Examine contract negotiations for different events.	PSO3

MATHEMATICS

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes(PSOs)
1	I	MATC031	Differential Equations	CO1	Classify differential equations based on their order and degree and solve them analytically	PSO1, PSO3
				CO2	Apply appropriate method to solve differential equations of first order and first degree	PSO1, PSO3
				CO3	Apply the acquired knowledge to solve first order and higher degree differential equations	PSO1, PSO3
				CO4	Identify family of orthogonal trajectories for a family of curves	PSO1, PSO3
				CO5	Apply suitable method to solve higher order differential equations with constant and variable coefficients	PSO1, PSO3

2	II	MATC032	Analytical Geometry	CO1	Distinguish the geometry of planes, lines, spheres, cones and cylinders and describe their properties	PSO1, PSO3
				CO2	Explain properties and concepts in 3D solid geometry and use them in real life situations	PSO1, PSO3
				CO3	Solve problems on planes, lines, spheres, cones, cylinders and coincides by the acquired knowledge	PSO1, PSO3
				CO4	Apply vector methods to solve certain problems on planes and lines	PSO1, PSO3
				CO5	Analyse methods of solving problems on planes, lines and spheres and apply related method to solve them	PSO1, PSO3
3	III	MATC033	Real Analysis	CO1	Identify the nature of a sequence whether bounded, monotonic, convergent and divergent by employing relevant results	PSO1, PSO2, PSO3
				CO2	Describe the nature of a series by applying suitable test of Convergence	PSO1, PSO2, PSO3
				CO3	Illustrate the significance of real number system, real valued and real variable functions, mean value theorems, fundamental theorem and applications	PSO1, PSO2, PSO3
				CO4	Identify continuity of a function and type of discontinuity by applying acquired knowledge	PSO1, PSO2, PSO3
				CO5	Categorize real valued and real variable functions as continuous, differentiable and integrable functions by applying learned principles and results	PSO1, PSO2
4	IV	MATC034	Abstract Algebra	CO1	Demonstrate the structure of group, substructures, cyclic group and their properties	PSO1, PSO2, PSO3
				CO2	Classify non abelian group of functions (permutations) and illustrate its characteristics	PSO1, PSO2
				CO3	Analyse properties of group isomorphism to describe the isomorphic groups and its generalization, group homomorphism	PSO1, PSO2
				CO4	Analyse a group by the notion of a coset and apply Lagrange's theorem for finite groups.	PSO1, PSO2
				CO5	Realize the importance of normal subgroup of a group to develop quotient group of it	PSO1, PSO2, PSO3
5	V	MATC035	Ring Theory & Vector Calculus	CO1	Classify the algebraic systems equipped with one and two binary operations and explain their properties.	PSO1, PSO2, PSO3

				CO2	Illustrate different types of rings, fundamentals, substructures, ring isomorphism and their properties	PSO1, PSO3
				CO3	Solve problems on gradient of a scalar function, divergent and curl of a vector function by applying their properties	PSO1, PSO3
				CO4	Evaluate line, circulation, surface & volume integrals of scalar and vector functions.	PSO1, PSO3
				CO5	Understand the significance of Gauss, Green and Stoke theorems and apply them to evaluate certain integrals	PSO1, PSO2, PSO3
6	V	MATCO36	Linear Algebra	CO1	Describe the algebraic systems vector space, subspace and inner product space and their properties	PSO1, PSO2, PSO3
				CO2	Demonstrate a basis for a finite dimensional vector space and an orthonormal basis for a finite dimensional inner product space	PSO1, PSO2, PSO3
				CO3	Analyse a linear transformation on a finite dimensional vector space and describe the dimension of range space and null space	PSO1, PSO2, PSO3
				CO4	Apply suitable technique to find rank of a matrix and solve the system of linear equations	PSO1, PSO2, PSO3
				CO5	Determine the eigen values and Eigen vectors for a square matrix and apply suitable method to find the inverse of it	PSO1, PSO2, PSO3
7	VI	MATC038	Numerical Analysis	CO1	Demonstrate the approximations and errors in numerical Computations	PSO1, PSO3, PSO4
				CO2	Realize the significance of numerical methods and employ suitable method to solve algebraic and transcendental equations	PSO1, PSO3, PSO4
				CO3	Compute the pth root of a number using numerical methods	PSO1, PSO3, PSO4
				CO4	Determine a polynomial which fits the given data and entry for a given argument using suitable interpolation formula with equal and unequal intervals	PSO1, PSO3, PSO4
				CO5	Determine argument for a given entry using suitable inverse interpolation formula	PSO1, PSO3, PSO4
8	VI	MATC039	Number Theory	CO1	Realize the significance of number theory, properties of integers, fundamental theorem of arithmetic and applications.	PSO1, PSO3, PSO4
				CO2	Apply division and Euclidean algorithms to solve linear Diophantine equations	PSO1, PSO3, PSO4

				CO3	Solve linear congruences and demonstrate the applications of Chinese remainder theorem, Fermat, Wilson and Euler's theorems	PSO1, PSO3, PSO4
				CO4	Study the divisors of an integer by using number-theoretic functions	PSO1, PSO3, PSO4
				CO5	Solve quadratic congruences and determine quadratic residues using Euler's criterion	PSO1, PSO3, PSO4
				CO6	Evaluate Legendre symbol using Gauss lemma and quadratic reciprocity law.	PSO1, PSO3, PSO4
9	VI	MATC040	Integral Transforms	CO1	Apply Laplace transforms to solve ordinary differential equations with constant and variable coefficients	PSO1, PSO3, PSO4
				CO2	Employ Laplace transforms to solve simultaneous and partial differential equations with boundary conditions	PSO1, PSO3, PSO4
				CO3	Apply Laplace transforms to solve different integral equations and realize the significance of Laplace transforms	PSO1, PSO3, PSO4
				CO4	Recognize the importance of Fourier transforms and their properties	PSO1, PSO3, PSO4
				CO5	Determine Fourier transforms, finite Fourier Sine and Cosine transforms of functions	PSO1, PSO3, PSO4
10	VI	MATC041	Advanced Numerical Analysis	CO1	Identify the significance of numerical methods and apply the least square method to determine the curve which fits the data	PSO1, PSO3, PSO4
				CO2	Evaluate the derivative of a tabulated function using suitable interpolation formula	PSO1, PSO3, PSO4
				CO3	Evaluate the integral of a tabulated function using suitable numerical integration rule and compute error by comparing with the exact value	PSO1, PSO3, PSO4
				CO4	Apply suitable direct or iterative method to solve system of 'n' linear equations in 'n' unknowns	PSO1, PSO3, PSO4
				CO5	Apply the appropriate method to solve 1st order and 1st degree initial value problems and compute the error by comparing with analytical method	PSO1, PSO3, PSO4
11	VI	MATC042	Graph Theory	CO1	Demonstrate a graph, type of graph, subgraph, graph isomorphism and discuss their properties	PSO1, PSO2, PSO4
				CO2	Analyse a graph and digraph by describing them in matrix form	PSO1, PSO2, PSO4
				CO3	Describe a connected graph, its components, blocks and demonstrate its characteristics	PSO1, PSO2, PSO4

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes(PSOs)
				CO4	Identify the nature of connectivity and discuss the relation between local and global properties	PSO1, PSO2, PSO4
				CO5	Realize the significance of trees, their characterizations and Applications	PSO1, PSO2, PSO4
				CO6	Illustrate diagraph, connection between digraphs and matrices and tournaments by the acquired knowledge	PSO1, PSO2, PSO4

<div align="center"><strong style="color:red">PHYSICS</div>

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes(PSOs)
1	I	PHYC039	Mechanics and Properties of Matter	CO1	Apply the knowledge of Gauss and Stoke's theorems in understanding the theory in other areas of physics.	PSO1, PSO3
				CO2	Describe the motion of Rockets, types of fuels used and its applications.	PSO1, PSO3, PSO4
				CO3	Compute the Euler equations in mechanics of rigid bodies and the applications.	PSO1, PSO3
				CO4	Outline the concepts of Central forces, Kepler's laws and the basics of Global Positioning system.	PSO1, PSO3, PSO4
				CO5	Summarize types Elastic constants of isotropic solids, their relations and applications.	PSO1, PSO2, PSO3
				CO6	Validate the postulates of theory of relativity with the help of Michelson-Morley Experiment.	PSO1, PSO2, PSO3
				CO7	Solve problems based on theoretical concepts in all units of this course.	PSO1, PSO3
2	II	PHYC041	Waves and Oscillations	CO1	Describe S.H.M of suspended bodies and its applications using superposition theorem.	PSO1, PSO2, PSO3
				CO2	Interpret the damped and forced oscillators and their applications.	PSO1, PSO2, PSO3
				CO3	Analyse sine wave, square wave, triangular wave, sawtooth wave using Fourier theorem.	PSO1, PSO2, PSO3
				CO4	Outline the concepts of propagation of waves in strings and bars and their applications.	PSO1, PSO2, PSO3
				CO5	Summarize the basics of Ultrasonics, their role in research and their applications.	PSO1, PSO2, PSO3, PSO4

				CO6	Solve problems based on theoretical concepts in all units of this course.	PSO3
3	III	PHYC043	Wave Optics	CO1	Relate different types of aberrations in lenses, their theory and minimizing techniques.	PSO1, PSO2, PSO3
				CO2	Compare the facts, principles and ideas of the theory of interference and its applications.	PSO1, PSO2, PSO3
				CO3	Distinguish between the concepts of Fraunhofer and Fresnel diffraction and their modern applications in life.	PSO1, PSO2, PSO3
				CO4	Summarize the concepts of polarization, the polarized nature of light, specific rotation and applications.	PSO1, PSO2, PSO3
				CO5	Outline characteristics, working principles of LASERS, Optical fibres and holography and their applications in daily life.	PSO1, PSO2, PSO3, PSO4
				CO6	Solve problems based on theoretical concepts in all units of this course.	PSO3
4	IV	PHYC045	Thermodynamics and Radiation Physics	CO1	Examine the postulates of kinetic theory of gases and transport phenomena that find industrial applications.	PSO1, PSO2, PSO3
				CO2	Outline the fundamental ideas, laws of thermodynamics, Principle & working of Carnot's engine, reversible and irreversible processes, entropy of the universe and applications.	PSO1, PSO2, PSO3
				CO3	Derive Maxwell's equations and their applications using thermodynamic potentials.	PSO1, PSO2, PSO3
				CO4	Summarize the fundamentals of low temperature physics and their application.	PSO1, PSO2, PSO3, PSO4
				CO5	Discuss the postulates of Quantum theory of radiation and their applications.	PSO1, PSO2, PSO3, PSO4
				CO6	Solve problems based on theoretical concepts in all units of this course.	PSO3
5	V	PHYC047	Electricity Magnetism & Electronics	CO1	Apply Gauss's law to get relations connecting dielectric parameters and their applications.	PSO1, PSO3
				CO2	Derive expressions for magnetic field at a point due to current carrying conductors using Biot Savart Law.	PSO1, PSO2, PSO3
				CO3	Distinguish self and mutual inductance phenomena and their applications.	PSO1, PSO2, PSO3

				CO4	Compute Maxwell's electromagnetic wave equations and their role in communications.	PSO1, PSO2, PSO3
				CO5	Summarize the basic concepts of semiconductors and digital electronics and their applications.	PSO1, PSO2, PSO3
				CO6	Solve problems based on theoretical concepts in all units of this course.	PSO3
6	VI	PHYC048	Modern Physics	CO1	Apply the knowledge of vector atom model, Stern Gerlac experiment, Quantum numbers, coupling schemes, Zeeman effect, Raman effect and their applications in Atomic & Molecular Physics.	PSO1, PSO2, PSO3, PSO4
				CO2	Discuss the applications of de Broglie concept of matter waves and Heisenberg's uncertainty Principle in Modern scientific fields.	PSO1, PSO2, PSO3
				CO3	Compute the energies and wave functions of a particle in a one dimensional potential box infinite height using Schrodinger wave equation.	PSO1, PSO2, PSO3
				CO4	Summarize the general properties of nuclei and radioactivity decays in Nuclear Physics.	PSO1, PSO2, PSO3
				CO5	Outline the basics of crystallography and study of structure of crystals using Bragg's law.	PSO1, PSO2, PSO3
				CO6	Describe the phenomenon of Superconductivity and its modern applications.	PSO1, PSO2, PSO3
				CO7	Solve problems based on theoretical concepts in all units of this course.	PSO3
7	VI	PHYC051	Analog & Digital Electronics	CO1	Analyse the concepts, construction, working, characteristics of FET and MOSFET and their applications.	PSO1, PSO2, PSO3
				CO2	Summarize the basics of operational amplifiers (IC 741), its parameters and its practical applications in electronic circuits.	PSO1, PSO2, PSO3
				CO3	Describe the internal architecture IC 555 Timer and its application as astable and monostable multivibrator.	PSO1, PSO2, PSO3
				CO4	Compile simple logic operations and code conversions using combinational logic circuits.	PSO1, PSO2, PSO3
				CO5	Outline the working of sequential logic circuits and conversion of Flip flops.	PSO1, PSO2, PSO3

				CO6	Solve problems based on theoretical concepts in all units of this course.	PSO1, PSO2, PSO3
8	VI	PHYC052	Introduction to Micro Processors & Micro Controllers	CO1	Summarize the Architecture of 8085 Microprocessor and write programs with the knowledge of instructions set.	PSO1, PSO2, PSO3
				CO2	Explain the internal operation of 8051 Microcontroller and write simple programs using assembly language.	PSO1, PSO2, PSO3
				CO3	Analyse the concept of Input and Output port structures and their operations of 8051.	PSO1, PSO2, PSO3
				CO4	Discuss the basic concept of Timer and Counter Programming.	PSO1, PSO2, PSO3
				CO5	Describe the structure, characteristics and programming of embedded systems.	PSO1, PSO2, PSO3
				CO6	Outline integrated development environment of embedded system and the latest trends in embedded industry.	PSO1, PSO2, PSO3, PSO4
9	VI	PHYC053	Computational Methods and Programming	CO1	Describe the importance of Computer and Basic concepts of computer.	PSO1,PSO2
				CO2	Classify types of functions and types of input and output commands.	PSO1, PSO3
				CO3	Demonstrate the knowledge of computer programming language concepts.	PSO3, PSO4
				CO4	Summarize the techniques of finding roots of equations, solving systems of linear algebraic equations.	PSO1, PSO4
				CO5	Create programs for Numerical methods and programming.	PSO2, PSO4
10	VI	PHYC054	Electronic Instrumentation Electronics	CO1	Summarize static parameters of an instrument and types of errors that occur during measurements.	PSO1, PSO2, PSO3
				CO2	Describe the capabilities and limitations of test instruments and measurement practices in terms of validity and accuracy.	PSO1, PSO2, PSO3
				CO3	Relate measurement principles involved in the determination of basic electrical parameters using multimeters and CRO.	PSO1, PSO2, PSO3
				CO4	Outline the principle and functioning of transformers and their applications in electronic circuits and electrical power transfer systems in daily life.	PSO1, PSO2, PSO3
				CO5	Determine the values of L, C and R using Wheatstone, De-Sauty's and Anderson's bridges.	PSO1, PSO2, PSO3

				CO6	Solve problems based on theoretical concepts in all units of this course.	PSO1, PSO2, PSO3

CHEMISTRY

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes(PSOs)
1	I	CHEC028	Inorganic and Organic Chemistry - I	CO1	Summarize the applications of industrially significant inorganic and organometallic compounds	PSO1
				CO2	Apply the theoretical knowledge of inorganic qualitative analysis to analyse simple salts.	PSO2
				CO3	Explain the electron displacement concepts and their influence on reactivity.	PSO1
				CO4	Write reactions of alkenes, alkynes, cycloalkanes and benzene with relevant rules and mechanisms.	PSO4
2	II	CHEC050	Physical and General Chemistry	CO1	Explain different solid, liquid crystal systems and various gas laws.	PSO1
				CO2	Solve problems on various concepts pertaining to colligative properties.	PSO3
				CO3	Summarize theories of bonding in metals and molecular structures.	PSO1
				CO4	Classify colloids and elaborate their applications in various fields.	PSO4
				CO5	Write molecular representations and isomerism in organic compounds.	PSO1, PSO3
3	III	CHEC051	InOrganic and Organic Chemistry - II	CO1	Elaborate the characteristic properties of d and f – block elements.	PSO1, PSO3
				CO2	Summarize the concepts based experiments in Quantitative analysis.	PSO1, PSO2
				CO3	Elucidate the synthesis and reactivity of halogen compounds, hydroxyl compounds, carbonyl compounds and carboxylic acids.	PSO1, PSO2
				CO4	Outline the importance of active methylene groups and their synthetic applications.	PSO1, PSO4
4	IV	CHEC053	Spectroscopy and Physical Chemistry	CO1	Interpret spectral data to analyze molecular structures of simple molecules.	PSO1, PSO3, PSO4
				CO2	Summarize the electrochemical concepts, their applications and solve problems.	PSO1, PSO2, PSO3
				CO3	Apply Beer Lambert's in spectrophotometric estimations.	PSO2, PSO3

				CO4	Explain Raoult's law, Henry's law, distribution law and the behaviours of liquid solutions and use these concepts in problem solving.	PSO1, PSO2
5	V	CHEC036	Inorganic, Organic & Physical Chemistry - I	CO1	Summarize the terminology, nomenclature, theories of bonding, stereo chemistry and stability of complex compounds.	PSO1
				CO2	Classify hard, soft -- acids and bases and elaborate the applications of HSAB principle.	PSO1, PSO4
				CO3	Elucidate the preparation, properties of amino acids, nitro compounds and amines with relevant chemical equations, mechanisms.	PSO1
				CO4	Deduce relations between the fundamental terms in thermodynamics, make use of laws of thermodynamics in different applications and solve problems on these concepts.	PSO2, PSO3
6	V	CHEC037	Inorganic, Organic & Physical Chemistry -II	CO1	Summarize the spectral, magnetic properties and chemical reactivity of metal complexes.	PSO1
				CO2	Outline the role of essential elements in biological processes	PSO1, PSO4
				CO3	Discuss the molecular structure, physical and chemical properties of carbohydrates and heterocyclic compounds.	PSO2, PSO3, PSO1
				CO4	Elaborate the photo processes (both physical and chemical), applications of fluorescence, phosphorescence, luminescence and deduce expressions for kinetics of chemical reactions.	PSO3, PSO4, PSO1
7	VI	CHEC040	Data Analysis & Seperation Methods	CO1	Classify errors and describe - sources of errors, methods of minimization of errors, concepts of accuracy, precision.	PSO1
				CO2	Use simple statistical tools to calculate errors, precision of experimental results.	PSO3
				CO3	Discuss basic principle, instrumentation, experimental procedures, applications of Solvent extraction, chromatography methods - CC, PC, TLC, HPLC, GC, IEC; paper electrophoresis and experiment with SE, PC,TLC.	PSO1, PSO2, PSO3, PSO4
8	VI	CHEC041	Drug Chemistry	CO1	Summarize the basic terminology of drug chemistry, nomenclature of drugs, different formulations, role of additives etc.	PSO1

9	VI	CHEC042	Instrumental Methods & Analysis	CO2	Discuss the synthesis and therapeutic action of Chemo-therapeutic Drugs, Psycho-therapeutic Drugs, Pharmacodynamic Drugs with listed examples.	PSO1, PSO2
				CO3	Explain about HIV-AIDS and relevant drugs; structure and use of pesticides.	PSO2, PSO4
				CO1	Discuss the basic principle, instrumentation, applications of Potentiometry, pH metry, AAS, TGA and use potentiometry, pH metry for sample analysis.	PSO1, PSO2, PSO3, PSO 4
				CO2	Explain radio activity and Tracer technique with the listed examples.	PSO1, PSO4
				CO3	Describe the sources of air, water pollutants, understand the standard procedures for the analysis of listed parameters, test water samples for certain physico-chemical parameters.	PSO1, PSO2, PSO3
				CO4	Elaborate the standard procedures for the listed analysis parameters of food, Examine food adulterants and describe food preservatives, colourants.	PSO1, PSO2, PSO3
				CO5	Interpret the standard procedures for the listed parameters in oil, soap, blood analysis and examine the oil samples for saponification value, acid value.	PSO1, PSO2, PSO3
10	VI	CHEC043	Organics and Materials Chemistry	CO1	Discuss the addition, substitution, elimination and rearrangement reactions with listed mechanisms.	PSO1
				CO2	Apply rules and solve problems on addition, substitution, elimination and rearrangement reactions	PSO3
				CO3	Classify pericyclic reactions and apply FMO approach to thermal and photochemical pericyclic reactions.	PSO1, PSO3
				CO4	Describe the basic terminology and retro syntheses of listed compounds.	PSO1, PSO4
				CO5	Explain the concept of protection and de-protection with reference to the listed functional groups and apply this in organic syntheses theoretically.	PSO1, PSO4
				CO6	Elucidate the nano materials, composites with reference to classification, properties, preparation, applications and identify composite materials in everyday life.	PSO1, PSO4

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes(PSOs)
				CO7	List the 12 basic principles of Green chemistry and use atom economy concept to predict the greenness of a process.	PSO1, PSO2, PSO4
11	VI	CHEC044	Polymer Chemistry	CO1	Classify polymers, understand the basic terminology in polymer chemistry	PSO1
				CO2	Interpret the polymerization, compounding, processing techniques in polymer industry.	PSO1, PSO2
				CO3	Describe the synthesis, properties and applications of industrial polymers and biopolymers.	PSO2, PSO4

<div align="center"><strong style="color:red">ELECTRONICS</div>

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes(PSOs)
1	I	ELEC038	Network Analysis & Analog Electronics	CO1	Explain the basic concepts of electrical quantities using circuit laws and simplify resistive circuits.	PSO1, PSO3
				CO2	Apply reduction techniques using network theorems, nodal analysis and mesh analysis.	PSO1, PSO3
				CO3	Demonstrate the functioning of various solid-state devices such as diodes, bi- polar junction transistors and field-effect transistors.	PSO1, PSO2, PSO3
				CO4	Examine the principle and operation of rectifiers, feedback amplifiers and oscillators.	PSO1, PSO3, PSO4
2	II	ELEC040	Linear & Digital Integrated Circuits	CO1	Understand the fundamentals of integrated circuits and their applications.	PSO1, PSO3, PSO4
				CO2	Apply the concepts of number system and perform conversions from one number system to another.	PSO1, PSO3
				CO3	Analyze the operation of basic logic gates and the methods of systematic reduction of Boolean expressions.	PSO2, PSO3, PSO4
				CO4	Design and implement combinational and sequential logic circuits of medium complexity.	PSO2, PSO3, PSO4
3	III	ELEC042	Communication Electronics	CO1	Identify the fundamental concepts and various components of analog communication system.	PSO1
				CO2	Illustrate different modulation and demodulation techniques used in analog communication.	PSO1, PSO3
				CO3	Analyze various digital modulation systems.	PSO2, PSO4

			CO4	Apply the concepts of mobile communication and cellular technologies.	PSO2, PSO4
4	IV	ELEC044	CO1	Explain the basics, internal architecture and operation of microprocessor and microcontroller.	PSO1, PSO2
			CO2	Apply the knowledge and exhibit programming proficiency using various instructions.	PSO2, PSO3
		Microprocessor & Microcontroller	CO3	Design and develop assembly language programs using 8051 microcontroller.	PSO2, PSO3
			CO4	Evaluate the interface of different peripheral devices to the microcontroller.	PSO2, PSO4
5	V	ELEC052	CO1	Explain the fundamentals of measurements and instrumentation system.	PSO1,PSO3
		Electronic Instrumentation	CO2	Demonstrate the working principle of different measuring instruments.	PSO1, PSO2, PSO3
			CO3	Examine the basic design techniques of electronic equipment.	PSO1, PSO2
			CO4	Assess electronic instruments more effectively for various measurements.	PSO3, PSO4
6	V	ELEC053	CO1	Relate basic semiconductor physics to properties of power devices.	PSO1
		Power Electronics	CO2	Demonstrate the basic operation and compare performance of various power semiconductor devices.	PSO1, PSO2
			CO3	Analyse the performance of various types of chopper circuits and power inverters.	PSO2, PSO3
			CO4	Evaluate the operation of electric machines, such as motors, generators and their controls.	PSO2, PSO4
7	VI	ELEC056	CO1	Explain the concepts of embedded systems.	PSO1
		Embedded Systems	CO2	Understand hardware and software design requirements of embedded systems.	PSO1, PSO2
			CO3	Design and develop assembly language programs.	PSO2, PSO3
			CO4	Demonstrate the interfacing of different peripheral devices with microcontrollers.	PSO2, PSO4
8	VI	ELEC058	Opto Electronic Devices	CO1	Interpret basic laws and phenomena that define behaviour of optoelectronic devices.	PSO1, PSO3

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes(PSOs)
				CO2	Identify key performance parameters of lasers, LEDs, and optical detection devices.	PSO1, PSO2
				CO3	Apply the basic concepts to characterize optoelectronic sources and detectors.	PSO1, PSO2
				CO4	Demonstrate an understanding of the basic design requirements for optoelectronic integration.	PSO2, PSO4
9	VI	ELEC059	Fundamentals of Solid State Lighting	CO1	Compare the basics of different types of lighting.	PSO1
				CO2	Demonstrate the importance of solid state lighting, specifications of lighting sources and energy efficiencies.	PSO1, PSO2
				CO3	Examine the transformation of an LED chip into LED lamp by way of driver circuitry.	PSO2, PSO4
				CO4	Assess the energy consumption of traditional and SSL-based lighting approaches.	PSO2, PSO4
10	VI	ELEC060	Optical Fiber Communication	CO1	Identify the structure of optical fiber and their types.	PSO1,PSO3
				CO2	Discuss the channel impairments like losses and dispersion.	PSO1, PSO2
				CO3	Classify the optical sources and detectors and discuss their principle.	PSO1, PSO2
				CO4	Analyse the fiber optic sensors and assess the modern optical systems and networks.	PSO2, PSO4

COMPUTER SCIENCE

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes(PSOs)
1	I	COMPC053	Problem Solving Using Computers	CO1	Understand the basic functionality and working of a digital computer, its applications & devices.	PSO1, PSO2
				CO2	Analyse a given problem and develop an algorithm to solve the Problem	PSO1, PSO2
				CO3	Identify and categorize the fundamental programming concepts of Python.	PSO1, PSO2
				CO4	Experiment on the 'Python' language constructs and solve some analytical problems.	PSO1, PSO2
				CO5	Correlate the higher level concepts of Python and design ,develop and test programs.	PSO1, PSO2

2	II	COMPC055	Database Management System	CO1	Differentiate database systems from file systems by enumerating the features provided by database systems and describe each in both function and benefit.	PSO1, PSO2
				CO2	Analyse an information storage problem and derive an information model expressed in the form of an entity relation diagram.	PSO2
				CO3	Demonstrate an understanding of the relational data model and normalization theory.	PSO2
				CO4	Use an SQL interface of a multi-user relational DBMS package to create, secure, populate, maintain, and query a database.	PSO2
				CO5	design and implement database projects.	PSO2, PSO3, PSO5
3	III	COMPC072	Operating Systems	CO1	Demonstrate the important computer system resources and the role of operating system in their management policies, algorithms and classify the evolutions in operating systems.	PSO1, PSO2
				CO2	Identify how communication between client-server systems exists in Operating System and different Services and System Calls.	PSO1, PSO2
				CO3	Inspect the policies for Process scheduling, mutual exclusion, Deadlock prevention techniques of OS.	PSO1, PSO2
				CO4	Analyse memory management and its allocation policies: Paging, Page Replacement algorithms.	PSO1, PSO2
				CO5	Create and manage simple file processing operations by using UNIX/Linux utilities, organize directory structures with appropriate security, and develop shell scripts to perform more complex tasks	PSO1 & PSO2
4	IV	COMPC074	Analysis of Algorithms & DS using C++	CO1	Understand the fundamental concepts of C++ Programming Language and data structures.	PSO2
				CO2	Demonstrate the use of various OOPs concepts with the help of programs.	PSO2
				CO3	Analyse the performance of algorithms.	PSO2
				CO4	To choose appropriate algorithm design techniques for solving problems.	PSO2
				CO5	Analyse a few basic algorithms such as searching, sorting and recursive algorithms.	PSO2
				CO6	Implement operations like searching, insertion, and deletion, traversing mechanism etc. on various data structures.	PSO3

					CO		PSO
5	V	COMPC076	Programming in Java		CO7	To develop knowledge of basic data structures for storage and retrieval of ordered or unordered data. Data structures include: arrays, linked lists, stacks, queues and binary trees.	PSO4, PSO5
					CO8	Select appropriate data structures as applied to specified problem definition.	PSO1, PSO4, PSO5
					CO1	Summarize the OOPs concepts	PSO2
					CO2	Explain the features of java	PSO2
					CO3	Explain about basic Java language syntax and semantics to write Java programs	PSO1
					CO4	Describe the concepts of data types, variables, conditional and iterative execution methods.	PSO3
					CO5	Discuss classes and objects, constructor, inheritance, method overloading and riding	PSO2, PSO4
					CO6	Demonstrate the use of arrays with program	PSO3
					CO7	Explain the features of abstract classes and methods, interfaces and Packages	PSO2, PSO3
					CO8	Explain the various methodologies to handle exception mechanisms	PSO4
					CO9	Demonstrate the concept of Applet Programming	PSO4
					CO10	Classify the various file handling concepts	PSO3
6	V	COMPC077	Internet Technologies		CO1	Define and demonstrate the component of the Internet, Web Technology and the CSS Features	PSO1
					CO2	Program the concepts of JavaScript , DHTML	PSO2
					CO3	Demonstrate the XML and JDBC Features.	PSO4
					CO4	Discuss and analyse the Introduction to Java Server Pages.	PSO2
					CO5	Discuss and Apply the Active Server Page concepts	PSO2
7	VI	COMPC080	PHP Programming		CO1	Understand basic PHP syntax for variable use and standard language constructs, such as conditionals loops, functions, arrays and classes.	PSO1, PSO2
					CO2	Create PHP programs that use PHP library functions and Arrays,	PSO1, PSO2
					CO3	Solve common Web application tasks by writing PHP programs using classes, objects, date functions, time functions and regular expressions.	PSO1, PSO2

				CO4	Write PHP scripts to handle HTML forms.	PSO1, PSO2
				CO5	Construct programs based on files, directories and images.	PSO1, PSO2
8	VI	COMPC099	Big Technologies	CO1	Understand the importance of big data and its use to solve world's challenges.	PSO2
				CO2	Illustrate the concept of Hadoop and its application	PSO1, PSO2
				CO3	Demonstrate the Hadoop ecosystem and HDFS architecture	PSO2, PSO4
				CO4	Apply the basic HDFS commands	PSO4, PSO5
				CO5	Analyse reading and writing input formats, mapper, reducer and Partitioner	PSO4
				CO6	Applying the features of YARN in real world	PSO4
9	VI	COMPC082	Software Engineering	CO1	Demonstrate an understanding of and apply current theories, models, and techniques that provide a basis for the software lifecycle.	PSO2
				CO2	Analyse and categorize the requirements in to functional, non-functional, Domain, System and User requirements.	PSO2
				CO3	Develop designs that map the requirements of a software project.	PSO1 & PSO2
				CO4	Generalizing other Aspects; Project Management, Scheduling, Software measures & working in teams.	PSO3 & PSO5
				CO5	Categorizing and Compare different types of Testing.	PSO2
10	VI	COMPC083	Computer Networks	CO1	Understand different components of computer networks, various protocols, modern technologies and their applications.	PSO2
				CO2	Identify different types of network topologies and protocols.	PSO1, PSO2, PSO5
				CO3	Describe the functions of each layer in OSI and TCP/IP model.	PSO4
				CO4	Explain the types of transmission media with real time applications	PSO4
				CO5	Classify the routing protocols and analyse how to assign the IP addresses for the given network	PSO2
				CO6	Describe the Session layer design issues and Transport layer services.	PSO3
				CO7	Explain the functions of Application layer and Presentation layer paradigms and Protocols.	PSO4
11	VI	COMPC084	Multimedia Applications	CO1	Define and use multimedia hardware and software concepts	PSO1

				CO2	Demonstrate an understanding of the multimedia building blocks	PSO2
				CO3	Demonstrate still images, sound, and video in Multimedia	PSO2
				CO4	Apply multimedia tools in developing Flash Animations.	PSO3
				CO5	Demonstrate Basic Authoring Tools and Basic Software Tools.	PSO3

STATISTICS

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes(PSOs)
1	I	STATC028	Descriptive Statistics and Probability	CO1	Interpret diagrammatic data presentation which makes it easier for a common man to understand the given data.	PSO1
				CO2	Identify the relationships among the three measures of central tendency for symmetrical and skewed distributions	PSO1, PSO2, PSO3
				CO3	Determine the reliability of an average and compare variability of two or more series	PSO1, PSO2, PSO3
				CO4	Acquire problem solving skills using moments, random variables.	PSO1, PSO2, PSO3
				CO5	Use probabilistic reasoning and the foundations of probability theory to understand and assess probabilistic engineering experiments in terms of sample spaces, event algebras, classical probability, and Kolmogorov's axioms.	PSO1, PSO2, PSO3, PSO4
				CO6	Understand the concept and evaluate moment generating functions for different kinds of probability distributions.	PSO1, PSO2
2	II	STATC030	Probability and Distributions	CO1	Explain the discrete distributions and their applications.	PSO1, PSO2
				CO2	Apply the Uniform and Normal distribution to different situations in day to day life, in quality control and in the research field.	PSO1, PSO2, PSO3
				CO3	Relate the distributions through limiting cases.	PSO1
				CO4	Interpret Exponential Laplace, Cauchy, Gamma and Beta distributions in real life situations	PSO1, PSO2, PSO3
				CO5	Identify different real life problems to apply discrete distributions (Binomial, Poisson , Negative Binomial Geometric and Hypergeometric) and continuous distributions (Uniform, Normal and Exponential) to draw valid inferences.	PSO1, PSO2, PSO3
				CO1	Explain the bivariate data	PSO1, PSO2, PSO3

3	III	STATC032	Exact Sampling Distributions and Estimation	CO2	Interpret the correlation and Regression between two variables.	PSO1, PSO2, PSO3, PSO4
				CO3	Determine whether the correlation is significant.	PSO1, PSO2, PSO3
				CO4	Differentiate between quantitative and qualitative data and apply Association and Contingency techniques using Attributes.	PSO1, PSO2, PSO3
				CO5	Recall the definitions of t, F and χ^2 distributions in terms of statistics of a sample from a Normal distribution.	PSO1, PSO2
				CO6	Describe different methods of Estimation	PSO1, PSO2, PSO3
4	IV	STATC034	Testing of Hypothesis	CO1	Explain the definitions and concepts of hypothesis testing	PSO1, PSO2, PSO3
				CO2	Differentiate the types of sample sizes and different tests	PSO1, PSO2
				CO3	Apply Large sample tests to different situations	PSO1, PSO2, PSO3
				CO4	Interpret small sample tests	PSO1, PSO2, PSO3
				CO5	Distinguish between the Parametric and the Non-Parametric tests	PSO1, PSO2, PSO3
5	V	STATC036	Sample Surveys and Analysis of Variance	CO1	Design and implement surveys with the sampling designs(simple random, systematic, stratified).	PSO1, PSO2, PSO3, PSO4
				CO2	Estimate sample size for different sampling designs in order to estimate population level point estimates and testing null hypothesis	PSO1, PSO2, PSO3, PSO4
				CO3	Estimate design weights and adjust for non-response.	PSO1, PSO2, PSO3
				CO4	Interpret the functions of NSSO, CSO and RBI and assess the importance of Statistical surveys in obtaining the data which in turn helps in drawing valid conclusions about the social, economic data of the country.	PSO2, PSO4
				CO5	Compute and interpret the results of ANOVA and F-test.	PSO1, PSO2, PSO3, PSO4
				CO6	Associate ANOVA with ANCOVA	PSO1, PSO2, PSO3
6	V	STATC037	Statistical Quality Control and Reliability	CO1	Differentiate the concepts of Quality Control(SQC) and Statistical Process Control (SPC)	PSO1
				CO2	Construct different control charts for variables (x-bar, R charts) and attributes (p, np and c charts)	PSO1, PSO2, PSO3
				CO3	Identify different acceptance sampling plans and differentiate them.	PSO1, PSO2, PSO4
				CO4	Distinguish between quality and reliability	PSO1
				CO5	Describe reliability methods	PSO1, PSO2, PSO3

7	VI	STATC040	Time Series Analysis	CO1	Interpret the Chronological data and its importance in Economy	PSO1
				CO2	Apply Trend derivation methods	PSO1, PSO2, PSO3
				CO3	Analyse the Growth curves	PSO1, PSO2, PSO3
				CO4	Establish relation between cause and effects Cyclic Variations.	PSO1, PSO2, PSO3
				CO5	Acquire the skills to forecast about the economic variables.	PSO1, PSO2, PSO3
				CO6	Discuss the concepts of white Noise, Auto Regression, Autocorrelation, Stationarity, ARMA and ARIMA	PSO1, PSO2
8	VI CE1	STATC042	Design Of Experiments	CO1	Summarize the principles, phases and scope of Designs	PSO1, PSO2
				CO2	Interpret the analysis of Basic designs (CRD, RBD and LSD)	PSO1, PSO2, PSO3
				CO3	Explain Balanced and Partially balanced Incomplete Block Designs	PSO1, PSO2
				CO4	Demonstrate how to analyse the results of the full Factorial designs	PSO1, PSO2, PSO3
				CO5	Explain the concept of Fractional Factorial Designs	PSO1, PSO2, PSO3, PSO4
9	VI CE2	STATC043	Demography and Vital Statistics	CO1	Explain the importance of Demography in society development	PSO1
				CO2	Interpret the methods of obtaining death rates	PSO1, PSO2, PSO3
				CO3	Construct the Life table for living beings from different age groups	PSO1, PSO2, PSO3, PSO4
				CO4	Analyse the Abridged life table	PSO1, PSO2, PSO3, PSO4
				CO5	Estimate the Birth rates	PSO1, PSO2, PSO3, PSO4
				CO6	Examine the Reproduction rates through GRR and NRR.	PSO1, PSO2, PSO3, PSO4
10	VI CE3	STATC056	Major Project	CO1	Synthesise knowledge from various areas of learning, and apply it critically and creatively to real-life situations.	PSO1, PSO2, PSO3, PSO4
				CO2	Gain important skills to prepare them for future learning and challenges.	PSO1, PSO2, PSO3, PSO4

S.No.	Semester	Course Code	Course Title	Course Outcomes (COs)		Program Specific Outcomes(PSOs)
				BOTANY		
1	I	BOTC032	Microbial Diversity Algae and Fungi	CO1	Discuss the nature of microbial world, general characters and their prosecution.	PSO2
				CO2	Elaborate the Characteristics, Diseases and its Symptoms of Viruses.	PSO2
				CO3	Illustrate the General Characteristics, Modes of Reproduction in Bacteria.	PSO3, PSO4
				CO4	Explain morphological structure, classification, reproduction and economic importance of Algae.	PSO1, PSO4
2	II	BOTC040	Diversity of Archegoniate and Plant Anatomy	CO1	Understand the diversity and evolutionary significance of lower plant groups	PSO1, PSO4
				CO2	Summarize and identification of structure, reproduction and life history of ptetidophytes.	PSO2
				CO3	Explain the general characteristics, reproduction and life history of gymnosperms.	PSO3
				CO4	Differentiate between tissues and tissue systems.	PSO4
				CO5	Observation of secondary growth in root and stem in plants.	PSO4
3	III	BOTC056	Plant Taxonomy and Embryology	CO1	Explain the aim and scope of to plant taxonomy.	PSO1, PSO3,
				CO2	Detailed study of plant classification.	PSO1, PSO2
				CO3	Discuss on various families and their economic importance of Polypetale.	PSO1, PSO2, PSO3
				CO4	Discuss on various families and their economic importance of Gamopetale and monocots.	PSO2, PSO4
				CO5	Scope of male and female gametophytes, pollination and fertilization.	PSO1, PSO4
4	IV	BOTC038	Plant Physiology and Metabolism.	CO1	Application of vital and physical theories related to plant water relations.	PSO3,
				CO2	Review on mineral nutrition, fertilizers and enzymes.	PSO1, PSO2, PSO4
				CO3	Introduction and explanation of Photosynthesis.	PSO2, PSO4
				CO4	Introduction and explanation of Respiration.	PSO2, PSO4

					CO5	Explain the role of plant growth regulators in growth and development of plants.	PSO1, PSO3
5	V	BOTC042	Cell Biology, Genetics and Plant Breeding		CO1	Recognise and describe the Prokaryotic cell, Eukaryotic cell, Cell membrane and Cell wall.	PSO3,
					CO2	To acquired knowledge about- Chromosome morphology, DNA Structure and Replication.	PSO1, PSO2, PSO4
					CO3	Understand about the Mendel's laws of inheritance, Linkage, Crossing over and its significance in evolution.	PSO2, PSO4
					CO4	Summarize the different plant breeding methods involved in crop improvement.	PSO2, PSO4
					CO5	Explain about the role of Mutations and Biotechnology in crop improvement.	PSO1, PSO3,
6	V	BOTC043	Plant Ecology and Phytogeography		CO1	Compare the various ecosystems and relationships between organisms and environment.	PSO1, PSO4
					CO2	Distinguish among different populations and community ecology	PSO3, PSO4
					CO3	Elaborate about plant diversity and its importance.	PSO1, PSO4
					CO4	Illustrate the various ecosystems and plant distribution.	PSO1, PSO2, PSO4
					CO5	Discuss about different vegetational belts of the earth with characteristic climatic conditions of the area.	PSO1, PSO2, PSO4
7	VI	BOTC046	Organic Farming &Sustainable Agriculture.		CO1	Enlightens the students regarding the latest trends and innovations in the field of agriculture.	PSO1, PSO2, PSO4
					CO2	To learn about cultivation methods and agricultural practices.	PSO1, PSO4
					CO3	Explain the natural ways and means of organic plant protection	PSO1, PSO3, PSO4
					CO4	Formulate organic crop production practices elevate it into self-employability.	PSO1, PSO4
8	VI	BOTC047	Nursery, Gardening and Floriculture		CO1	Understand the objectives and scope and management of nursery	PSO1, PSO4
					CO2	Elaborate different types of gardening and its operations	PSO1, PSO3
					CO3	Explain the sowing, transplanting of seedlings and propagation of ornamental plants.	PSO1, PSO3, PSO4
					CO4	Recognise the concepts of ornamental plants.	PSO1, PSO4
					CO5	Describe various factors effecting flower production and cultivation, harvesting of cut flowers.	PSO1, PSO3, PSO4

9	VI	BOTC048	Plant diversity and Human welfare	CO1	To learn about the rare, endangered, endemic species and their biodiversity.	PSO1, PSO4
				CO2	To create awareness about the plants and their biodiversity	PSO1
				CO3	Explain about environmental impact assessment, geographical information using OER available in the internet using modern ICT tools.	PSO1, PSO3
				CO4	Understand the solid and liquid waste management techniques	PSO1, PSO4
				CO5	System GIS green account with emphasis on carbon foot print.	PSO1
10	VI	BOTC049	Ethnobotany and Medicinal Botany	CO1	Able to know various common plants, their usage and medicinal values through primitive culture.	PSO1, PSO6
				CO2	To learn about the medicinal values of these plants which are used in our daily life.	PSO1, PSO2, PSO4
				CO3	Explain about concept, scope and objectives of ethanobotany as an interdisciplinary science using additional OER available in the internet.	PSO1, PSO3
				CO4	To create awareness about the common medicinal plants in and around, which are of therepeutical use.	PSO1, PSO4
11	VI	BOTC050	Pharmacognosy and Phytochemistry	CO1	Able to know various common plants, plant products, drugs and their chemical compounds.	PSO1
				CO2	To create awareness about the common crude drugs and their therepeutical values	PSO1, PSO4
				CO3	Explain about concept, scope and objectives of pharmacognosy and phytochemistry as an interdisciplinary science using additional OER available in the internet.	PSO1, PSO2, PSO3
				CO4	Differentiate between primary and secondary metabolites.	PSO1
				CO5	Aware of sources of drugs and biosynthesis (phenols, steroids, alcohols), enzymes, protein and amino acids.	PSO1, PSO4

ZOOLOGY

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	ZOOC028	Animal Diversity Non-chordates	CO1	Familiar with non-chordate eco-friendly world that surrounds us.	PSO1, PSO3
				CO2	Able to Identify and compare the invertebrates and classify them up to class level based on unique characters.	PSO1, PSO3
				CO3	Able to appreciate the process of unicellular cells to complex, multicellular organisms and Parasitic adaptations.	PSO1, PSO2
				CO4	Understands the basis of life processes in invertebrates. and recognizes the economically important invertebrate fauna.	PSO1, PSO2
				CO5	Recognizes the Skill and employability in the economically important invertebrate fauna (Vermi technology & Pearl cultures).	PSO3
2	II	ZOOC030	Animal diversity-Chordates	CO1	Describe the diversity in form, structure and habits of vertebrates.	PSO1, PSO3
				CO2	Strong foundation on systematic and phylogeny of various vertebrate phyla.	PSO1, PSO3
				CO3	Recognize the importance of vertebrate phylum up to class level with unique characters.	PSO1, PSO2, PSO3
				CO4	Vertebrate animal structure and Physiological functions of organ systems.	PSO2, PSO3, PSO4
				CO5	Develop Skills and employment required in aquaculture (Fisheries and fish farms).	PSO4
3	III	ZOOC032	Cytology, Genetics and Evolution	CO1	Articulate the structure and functions of cell and compare plant and animal cell and prokaryotic cell and eukaryotic cell.	PSO1
				CO2	Distinguish different biomolecules operating in cell and relate their functions with specificity.	PSO1, PSO3
				CO3	Associate characters and interpret the outcome of variation with reference to genes and connect the utility of somatic cell genetics in human welfare.	PSO2, PSO4
				CO4	Classify evolutionary theories, explain the concepts of diversification (Biodiversity) and deduce gene pool using Hardy-Weinberg equilibrium.	PSO2, PSO4
				CO5	Differentiate the Zoogeographical Regions and correlate species richness with each region.	PSO2, PSO4

4	IV	ZOOC034	Embryology, Physiology and Ecology	CO1	Apply the concept of 'Ontogeny repeats Phylogeny' and summarise the development of organisms up to gastrula stage.	PSO1
				CO2	Explain various systems working in the body and compare each system with their functions.	PSO2, PSO3
				CO3	Illustrate the fundamental units of each system and discriminate their role in a living body.	PSO2, PSO3
				CO4	Outline the interaction that takes place between Biotic and Abiotic factors and infer the effects of various environment factors on biological system.	PSO2, PSO4
				CO5	Discriminate the animal relationships and categorise their interdependency.	PSO2, PSO4
5	V	ZOOC036	Animal Biotechnology	CO1	Identify and have sound knowledge on various enzymes, modification systems and vectors involved in biotechnology.	PSO1
				CO2	Compare and contrast the techniques used for DNA transfer and amplifications.	PSO1, PSO2
				CO3	Explain cell culture, cell line, production of Monoclonal antibodies and stem cells with their applications.	PSO1, PSO2
				CO4	Interpret the manipulation of technology in the field of reproduction.	PSO3, PSO4
				CO5	Measure the applications of transgenic animals, donor organs and production of pharmaceuticals.	PSO3, PSO4
6	V	ZOOC037	Animal Husbandry	CO1	Explain the concept of animal husbandry and compare different breeds of poultry and cattle.	PSO1
				CO2	Identifies and compares the techniques to be taken in the management of Dairy and poultry farms.	PSO1, PSO2
				CO3	Understand the importance of Dairy, Poultry as small-scale entrepreneur units.	PSO2, PSO3
				CO4	Demonstrates poultry management, dairy farm, and different types of cattle breeds.	PSO2, PSO4
				CO5	Livestock income and analyse the production process to improve yield.	PSO2, PSO4
7	VI	ZOOC040	Immunology	CO1	Understand the fundamentals of Immunology and i its applications in different fields of science.	PSO1

					CO2	Learns the basics of practical aspects of simple molecular techniques.	PSO1
					CO3	Appreciate the concept of Haemopoitic stem cells and their applications.	PSO2, PSO3
					CO4	Demonstrates the practical knowledge in Antibody Production.	PSO2, PSO4
					CO5	Acquire skills to apply in Lab tests to get employment.	PSO2, PSO4
8	VI	ZOOC042	Clinical Biochemistry		CO1	Apply knowledge and skills in handling of various instruments used in clinical labs.	PSO1, PSO3
					CO2	Identify different diseases related to blood and serum and the importance of biomolecules.	PSO1, PSO2
					CO3	Experiment and interpret results on LFT, RFT, Glucose level and enzymes.	PSO2
					CO4	Differentiate the acid, base imbalance, heart related diseases and the health issues related to it.	PSO3, PSO4
					CO5	Design, build and prepare experimental thesis through project work.	PSO3, PSO4
9	VI	ZOOC043	Haematology		CO1	Understand the fundamentals Immunology and its applications in different fields of science.	PSO1
					CO2	Learns the basics of practical aspects of simple molecular techniques.	PSO1, PSO2
					CO3	Appreciate the concept of stem cells and lymphoid organs ,their applications.	PSO2, PSO4
					CO4	Demonstrates the practical knowledge.	PSO2, PSO4
					CO5	Acquire skills in Zoology to apply them to set up their own labs and provide employability.	PSO2, PSO4
10	VI	ZOOC044	Microbiology		CO1	Understand the basics of microbiology and its applications in different fields of science.	PSO1
					CO2	Learns the basics of practical aspects of simple molecular techniques.	PSO1, PSO2
					CO3	Appreciate the concept of stem cells and lymphoid organs and their applications.	PSO1, PSO2
					CO4	Demonstrates the practical knowledge.	PSO2, PSO4
					CO5	Acquire skills in Zoology to apply them to set up their own labs and provide employability.	PSO2, PSO4

BIOTECHNOLOGY

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	BIOTECC023	Microbiology and Cell Biology	CO1	Discuss the contributions of Louis Pasteur, Robert Koch, Edward Jenner	PSO1, PSO2
				CO2	Demonstrate the types of microscopy and Cell division with neat labelled diagrams.	PSO1, PSO3, PSO4
				CO3	Illustrate the classifications of bacteria and virus.	PSO1
				CO4	Explain the structures of bacteria, virus and eukaryotic cell components in detail.	PSO1, PSO2
				CO5	Summarize the concepts of microbial nutrition, growth and control.	PSO1, PSO3, PSO4
2	II	BIOTECC025	Macromolecules and Enzymology	CO1	Explain the classification, structure and functions of biomolecules.	PSO1, PSO3
				CO2	Summarize the concepts of Enzymes.	PSO1, PSO3, PSO4
				CO3	Demonstrate the metabolism of biomolecules.	PSO1, PSO2
				CO4	Discuss the concepts of Bioenergetics.	PSO1, PSO2
3	III	BIOTECC027	Biophysical Techniques	CO1	Explain the concepts of Spectrophotometry	PSO1, PSO3, PSO4
				CO2	Demonstrate the principles, procedures and types of chromatography, electrophoresis and centrifugation techniques.	PSO1, PSO3, PSO4
				CO3	Analyse the applications of Biophysical techniques.	PSO2, PSO3, PSO4
				CO4	Describe the isotopic tracer techniques.	PSO1, PSO3, PSO4
				CO5	Apply the knowledge of biostatistics to measure the samples.	PSO2, PSO3, PSO4
4	IV	BIOTECC029	Immunology	CO1	Summarize the concepts of immunity with examples.	PSO1
				CO2	Illustrate the mechanisms of hypersensitivity, auto immunity, immunodeficiency with examples.	PSO2, PSO3
				CO3	Describe the structure and functions of lymphoid organs, cells and classes of antigens, antibodies and their reactions.	PSO1
				CO4	Demonstrate the preparation of vaccines and Monoclonal antibodies.	PSO3, PSO4

5	V	BIOTECC031	Bioprocess Technology and Industrial Fermentatios	CO1	Schematize the basic design of bioprocess vessel and types with neat labelled diagram.	PSO1, PSO3
				CO2	Summarize the types of microbial cultures with diagrams.	PSO1, PSO2
				CO3	Analyse the upstream and downstream processes.	PSO2, PSO3, PSO4
				CO4	Explain the production of biofuels.	PSO3, PSO4
				CO5	Illustrate the production of biologically important products from microbes.	PSO3, PSO4
6	V	BIOTECC032	Genetics and Molecular Biology	CO1	Analyse the gene as unit of expression, gene interactions and Mendel laws.	PSO1, PSO2
				CO2	Illustrate gene mutations and repair mechanisms.	PSO1, PSO2,
				CO3	Infer the concepts of multiple alleles, sex determination and sex linked inheritance.	PSO1, PSO2, PSO3
				CO4	Demonstrate the process of replication, transcription and translation with neat labelled diagrams.	PSO1, PSO3
7	VI GE	BIOTECC035	Gene regulation and r-DNA Technology	CO1	Summarize the regulation of transcription and translation processes.	PSO1
				CO2	Analyse the basics and strategies of r-DNA technology.	PSO2, PSO3, PSO4
				CO3	Illustrate the enzymes and vectors with examples	PSO2, PSO3, PSO4
				CO4	Demonstrate the techniques of r-DNA technology.	PSO2, PSO3, PSO4
8	VI CE1	BIOTECC037	Plant and Animal Biotechnolog-y	CO1	Explain the basic requirements of plant and animal tissue cultures.	PSO1
				CO2	Summarize the concept, models and applications of transgenic plants and animals.	PSO1, PSO3, PSO4
				CO3	Demonstrate the methods of plant and animal tissue cultures.	PSO1, PSO2, PSO3, PSO4
				CO4	Analyse the characteristics of cell lines and their maintenance.	PSO2
9	VI CE2	BIOTECC038	Applications of Biotechnolog-y	CO1	Illustrate the metabolic products of microorganisms and screening, isolation, preservation of industrially important microorganisms.	PSO1
				CO2	Analyse the methods involved in water quality assessment and waste water treatment technique.	PSO4
				CO3	Apply the knowledge of biological methods in cleaning and solving the environmental problems.	PSO1, PSO3
				CO4	Summarize the production of biologically important products by employing microorganisms, plants and animals	PSO1, PSO4

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
				CO5	Explain the applications of gene therapy and stem cell therapy.	PSO3, PSO4
10	VI CE3	BIOTECC039	Bioethics, Biosafety & IPR	CO1	Summarize the concepts of intellectual property rights and their significance	PSO1, PSO3, PSO4
				CO2	Explain patent law and its applications.	PSO2, PSO3
				CO3	Demonstrate various bioethical issues of Biotechnology.	PSO1, PSO2
				CO4	Analyse biosafety levels and health hazards concerning Biotechnology.	PSO3, PSO4

MICROBIOLOGY

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	MIBC001	Introduction to Microbiology and microbial diversity	CO1	Illustrate the contributions made by prominent scientists, phylogenetic tree of life.	PSO1, PSO2, PSO3
				CO2	Analyse different characteristics of microbes and difference of cell wall components in bacteria and archebacteria.	PSO1, PSO2
				CO3	Summarize the techinques used to stain ,and observe the microorganism under microscope.	PSO3, PSO4
				CO4	Demonstrate different isolation ,preservation techniques.	PSO3, PSO4
				CO5	Analyze various method used for sterilization and disinfection techniques.	PSO3, PSO4
2	II	MIBC002	Microbial bio chemistry and metabolism	CO1	Summarize different of biomolecules with their structure and functions..	PSO1, PSO2
				CO2	Explain various analytical techniques used to separate bio molecules.	PSO3
				CO3	Describe the properties ,structure, function of enzymes.	PSO4
				CO4	Discuss the role of nutrients in microbial growth and reproduction, methods used to estimate bacterial growth.	PSO3, PSO4
3	III	MIBC005	Microbial genetic and molecular biology	CO1	Summarize different modes of transfer mechanisms in Bacteria, molecular techniques used in various types of mutations.	PSO1, PSO2
				CO2	Discuss the concept of central dogma of molecular biology, types, biosynthesis and functions of RNA and protein synthesis in prokaryotes and eukaryotes.	PSO1, PSO2
				CO3	Explain the structures ,regulation of Lac Operon with gene expression in bacteria.	PSO1

				CO4	Discuss the role of Vectors in genetic engineering, and its applications in industries ,agriculture and medicine.	PSO1, PSO4
4	IV	MIBC007	Microbial genetic and Immunology	CO1	Illustrate the basic concepts of different types of Immunity. And role of cells and organs related to Immune System.	PSO2, PSO3
				CO2	Discuss the chemical nature, types, properties and functions of immunoglobulin's .and process ,role of antigen antibody reactions in clinical diagnosis.	PSO3, PSO4
				CO3	Summarize the concepts of hypersensitivity, principals of diagnostic microbiology. And role of normal flora, antibacterial substances, in Human body.	PSO1, PSO3, PSO4
				CO4	Explain various chemotherapeutic agents and their mode of actions .And general account of various communicable diseases and their preventive methods.	PSO1, PSO2, PSO3, PSO4
5	V	MIBC009	FOOD AND INDUSTRIAL MICROBIOLOGY	CO1	Explain the parameters that induce food spoilage, and ,,process of intoxication ,in food born diseases.	PSO2, PSO3
				CO2	Illustrate the principles of food preservation techniques, and role of microbes as food supplement ,and probiotics.	PSO1, PSO4
				CO3	Summarize the importance of industrially used microbes, and screening techniques used, various method for strain improvement for microbial products.	PSO3, PSO4
				CO4	Demonstrate various types of fermentation processes, design, of fermenter and media used in microbial products.	PSO3, PSO4
				CO5	Summarize the down stream processing methods for isolation of microbial products.	PSO3, PSO4
6	V	MIBC010	Environmental and Agriculture Microbiology.	CO1	Explain the role of micro flora in soil, ,aquatic, and extreme habitats.	PSO3, PSO4
				CO2	Summarize different techniques used to treat waste water.	PSO1, PSO3, PSO4
				CO3	Illustrate the outlines of solid and liquid waste managements.	PSO3, PSO4
				CO4	Distinguish the beneficial and pathogenic effect of microbes in agriculture, their role in Bio geo chemical cycle.	PSO3, PSO4
7	VI GE	MIBC013	Microbial biotechnology	CO1	Access the role of microbes in biotechnological process in agriculture and environment sectors.	PSO3, PSO4

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)		Program Specific Outcomes (PSOs)
				CO2	Illustrate the principles ,biochemical pathways for production of Vaccines.		PSO2, PSO3, PSO4
				CO3	Summarize the importance of industrially used microbes, in bio transformations. .		PSO2, PSO3, PSO4
				CO4	Generalized the process of bioremediation, and xenobiotics, outlines of IPR.		PSO3, PSO4
8	VI CE	MIBC014	Microbial diagnosis in health clinical.	CO1	Summarize various diseases caused by microbes, ,diseases associated with clinical samples.		PSO3
				CO2	Correlate different techniques used to collect clinical samples.		PSO3, PSO4
				CO3	Illustrate various methods involved in identification of microbes, differed culture media used for diagnosis purposes.		PSO1, PSO3, PSO4
				CO4	Explain different serological ,molecular methods used in clinical diagnosis.		PSO1, PSO3, PSO4
9	VI	MIBC015	Microbial quality control in food and pharmaceutical industries	CO1	Demonstrate good laboratory practices in clinical laboratory.		PSO1
				CO2	Illustrate the principles ,of various quality controlling process of different products.		PSO3, PSO4
				CO3	Summarize the molecular methods to diagnose clinical samples. .		PSO3, PSO4
				CO4	Demonstrate different enrichment culture techniques.		PSO2
				CO5	Analyse the quality of milk by using different method.		PSO3, PSO4
10	VI CE	MIBC016	Bio fertilizers and bio pesticides.	CO1	Summarize various applications of bio fertilizers and pesticides .		PSO3, PSO4
				CO2	Explain different beneficiary microbes in agriculture. Fields.		PSO4
				CO3	Describe the role of microbes in solubilisation and up take of phosphorus in plants.		PSO4, PSO5
				CO4	Discuss the role of VAM in agriculture fields. And importance of microbes as bio-insecticides.		PSO3, PSO4

FOOD SCIENCE & TECHNOLOGY

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)		Program Specific Outcomes (PSOs)
1	I	FSTC001	Introduction to food science	CO1	Classify different types of food groups and explain characteristics of balanced diet.		PSO1
				CO2	Compare different cooking methods.		PSO1, PSO3, PSO4

				CO3	Relate nutritive values and cookery concepts of cereals, pulses, fats and oils	PSO1, PSO3,
				CO4	Differentiate classification, composition, selection and nutrient losses between fruits and vegetables.	PSO1, PSO2, PSO4
				CO5	Identify physical and chemical properties of milk, meat and egg.	PSO1, PSO3,
2	II	FSTC003	Basics of food science	CO1	Identify functions of food and types of malnutrition.	PSO1, PSO2, PSO4
				CO2	Classify various types of carbohydrates.	PSO1
				CO3	Compare the composition, classification and food sources of proteins and lipids.	PSO1, PSO3,
				CO4	Infer various types of minerals.	PSO1, PSO4
3	III	FSTC005	Principles of food science	CO1	Summarize various techniques used for food dispersion, role of colloida chemistry in food preparation.	PSO1, PSO3,
				CO2	Discuss the various factors that affect the growth of microbes in food.	PSO1, PSO3,
				CO3	Classify various fermented foods and their nutritional importance	PSO1, PSO3,
				CO4	Correlate the role of minimal processing in fruits, vegetables and sea food	PSO1, PSO3, PSO4
				CO5	Analyse the sensory evaluation tests of foods.	PSO2, PSO3,
4	IV	FSTC007	Food preservation	CO1	Discuss the preservation of food in low temperatures	PSO1, PSO3,
				CO2	Summarize different methods of food preservation at high temperatures and irradiations	PSO1, PSO3,
				CO3	Correlate the mechanism of dry dehydration and evaporation in food preservation	PSO3,
5	V	FSTC009	Food Service and Establishment	CO1	Demonstrate the importance of food services and management	PSO3, PSO4
				CO2	Correlate the factor responsible for food cost and maintenance of equipment.	PSO3, PSO4
				CO3	Discuss the importance of environmental hygiene and sanitation in food service centres.	PSO3, PSO4
				CO4	Demonstrate the processes of accounting and different types of cash books.	PSO3, PSO4
6	V	FSTC0010	Nutrition Therapy-1	CO1	Summarize the steps involved in meal planning, effect of nutrients during pregnancy.	PSO2, PSO3, PSO4

				CO2	Explain the role of nutrients during lactation and infancy.	PSO2, PSO3, PSO4
				CO3	Illustrate the nutritional requirements during pre-school and school age.	PSO2, PSO4
				CO4	Discuss the assessments of nutritional status.	PSO3, PSO4
7	VI	FSTC013	Packaging Technology	CO1	Summarize food packing process and types of packaging material.	PSO3, PSO4
				CO2	Explain various tests for packaging materials	PSO3, PSO4
				CO3	Describe the packaging requirements for raw and processed foods	PSO2, PSO3
				CO4	Demonstrate different types of packaging machinery	PSO3, PSO4
				CO5	Extract importance and functions of package labelling	PSO1, PSO4
8	VI	FSTC014	Nutrition Therapy - II	CO1	Discuss the role of dietician	PSO3, PSO4
				CO2	Correlate dietary modifications for obesity and leanness	PSO3, PSO4
				CO3	Summarize the importance of diet plan for gastro intestine disorders, diarrhoea	PSO3, PSO4
				CO4	Analyse dietary treatment for kidney and liver diseases.	PSO3, PSO4
				CO5	Illustrate causes, symptoms of cardiac diseases and role of diet plan for diabetic and heart diseases	PSO3, PSO4
9	VI	FSTC015	Bakery -Technology	CO1	Discuss the basic concepts of bakery industry.	PSO3, PSO4
				CO2	Summarize the process of bread making.	PSO2, PSO3
				CO3	Correlate the processes, quality characters for cakes, biscuits and cookies..	PSO2, PSO3
				CO4	Classify different special nutritional requirements for modification of bakery products.	PSO1, PSO3
10	VI (Cluster)	FSTC016	Food safety and quality control	CO1	Summarize the basic concepts of food safety and standards.	PSO1, PSO3
				CO2	Illustrate the role of international standards for quality control and management.	PSO1, PSO3
				CO3	Analyse different techniques used to detect food adulteration.	PSO1, PSO3
				CO4	Discuss the role of quality management in food industries.	PSO1, PSO3, PSO4

MAPPING OF COs WITH PSOs

PG PROGRAMMES

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	ECO101	Micro Economic Analysis – I	CO1	Examine the basic micro economic problems of scarcity and choice and consumer behaviour	PSO3
				CO2	Illustrate recent developments in demand analysis and elasticity of demand	PSO5
				CO3	To analyse the theories of production, Cobb Douglas production function, Euler's theorem and Leontief production function	PSO2
				CO4	To analyse the traditional and modern theories of costs and revenues	PSO3
				CO5	To examine price determination under various market conditions.	PSO4
2	I	ECO102	Macro Economic Theory-1	CO1	To understand the national income concept	PSO4
				CO2	To understand the theories of consumption function	PSO6
				CO3	To familiarize the students the basic difference between the classical and Keynesian economics	PSO5
				CO4	To gives the idea about Keynesian theory of employment.	PSO5
				CO5	To introduce the demand theory of money	PSO6
3	I	ECO103	Public Economics-I	CO1	To introduce the basic principles of Public Finance.	PSO1
				CO2	To understand the source of public revenue	PSO2
				CO3	To understand the source of public expenditure and the difference between public and private finance.	PSO3
				CO4	To make awareness about public debt.	PSO4
				CO5	To give an idea about central state financial relations and to provide the complete structure of Indian finance system	PSO5
4	I	ECO104	Evolution of Economic Doctrines	CO1	Explains the views of classical and modern economists	PSO1
				CO2	Discusses about the various theories of economics	PSO1

					CO3	Applies the economic theories practically in an economy	PSO3
					CO4	Compares the classical and modern theories of economic thought	PSO4
					CO5	Examines the classical and modern theories of Indian school of economic thought	PSO1
5	I	ECO105	Mathematical Methods		CO1	Demonstrate algebraic topics including linear, quadratic, exponential, logarithmic functions, limits and interpret graphs of basic functions	PSO2
					CO2	Explain and calculate other elasticities of Demand and Supply	PSO3
					CO3	Examine various techniques of derivatives, differentiation and integration and apply them to solve. Applied economic problems	PSO2, PSO3
					CO4	Compute and use determinants, and Solve systems of linear equations by use of the matrix and input –output analysis	PSO5
					CO5	and identify and interpret the solution to graphical method and simplex method, game theory	PSO2
6	II	ECO201	Micro Economic Analysis - II		CO1	Examine the theories of factor pricing in perfect and imperfect factor markets	PSO3
					CO2	Illustrate nature, scope and various approaches to welfare economics	PSO3
					CO3	To analyse the Pigovian welfare economics and externalities between private and social costs	PSO3
					CO4	To analyse the Paretian optimal conditions and theory of second best	PSO4
					CO5	To examine Walrasian General equilibrium model and 2x2x2 model	PSO4
7	II	ECO202	Macro Economic Theory-2		CO1	State and explain any four characteristics of money	PSO1
					CO2	Describe the high powered money and money multiplier	PSO5
					CO3	Analyse the Phillips" curve	PSO5
					CO4	Identify the functions of commercial bank	PSO5
					CO5	Recall the meaning of monetary policy	PSO5

8	II	ECO203	Public Economics-II	CO1	Discuss and analyse the Budgetary procedure and importance of the budget.	PSO1
				CO2	To understand various physical policies and reforms in India.	PSO2
				CO3	To evaluate finance commissions and resource allocation.	PSO3
				CO4	To understand center state relations with affect to society.	PSO4
				CO5	To explain the recent trends in Indian Public Finance and taxes.	PSO5
9	II	ECO204	International economics	CO1	Able to understand the concepts of International Economics	PSO2
				CO2	Differentiate between classical and modern theories of International trade and their relevance to the present society	PSO3
				CO3	Students will be able to examine tariffs and nontariff barriers and their impact on world trade	PSO4
				CO4	Identify the reasons for disequilibrium in foreign trade and how to check it	PSO5
				CO5	Analyse the role of financial institutions in promoting sustainable development	PSO2
10	II	ECO205	Statistical Methods	CO1	Understand and apply simple Sampling Methods	PSO1
				CO2	Calculate and interpret the correlation and Regression between two variables	PSO5
				CO3	Apply various methods of time series analysis	PSO2
				CO4	Understand and apply the addition and multiplication theorem, conditional probability with some simple problems.	PSO3
				CO5	Calculate the different formulas of theoretical distribution to solve the simple problems.	PSO5
				CO6	Apply and solve the different tests of significance	PSO5
11	III	ECO301	Economics of Growth and Development	CO1	Examine different indicators of economic Development and Illustrate the vicious circle of poverty	PSO1
				CO2	State the Growth Models of Neo Classical Economists	PSO3
				CO3	Discuss the important models and theories in economic development and their policy implication	PSO4
				CO4	Compute and compare steady state growth rate	PSO4

				CO5	Discuss the need for investment criteria and in developing economies and good governance	PSO5
12	III	CO302	Indian Economy	CO1	Evaluate the features of Indian economy	PSO2
				CO2	Identify the problems of poverty and unemployment	PSO2
				CO3	Examine the problem of Inequalities of income in the distribution income	PSO2
				CO4	Remember the role of agriculture and its development	PSO4
				CO5	Outline the strength and weaknesses of medium and small scale industries	PSO4
				CO6	Summarise the performances of major service sectors in India	PSO2
13	III	ECO303	Environmental Economics	CO1	Examine elements of ecology, pollution and externalities	PSO1
				CO2	Illustrate direct and indirect methods of environmental valuation	PSO3
				CO3	To analyse the Pigovian taxes, subsidies and Coase's theorem	PSO4
				CO4	To analyse optimum use of exhaustible resources and sustainable development	PSO3
				CO5	To examine the mechanism for controlling air and water pollution and social forestry.	PSO4
14	III	ECO304(A)	Agricultural economics	CO1	Explains the importance of agricultural economics in present scenario	PSO3
				CO2	Discovers the distinctive features of agrarian economies	PSO1
				CO3	Able to recall the information on price structure of agricultural production	PSO4
				CO4	Describes the issues related to agriculture and its allied activities	PSO2
				CO5	Analyses the strategies of sustainable agriculture and food security	PSO1
				CO6	Facilitates the impact of globalisation on Indian agriculture	PSO1
15	III	ECO305 (C)	Rural Development	CO1	To understand the nature of Rural Development and its approach to the society.	PSO1
				CO2	To know the various systems and procedures of agriculture	PSO2
				CO3	To evaluate the poverty levels in India.	PSO3

				CO4	To know about the various sources of Rural credit.	PSO4
				CO5	To analyse the working of Rural agencies.	PSO5
16	IV	ECO401	Economics of Infrastructure	CO1	Understand the concepts Infrastructure economics and policy	PSO1
				CO2	Gain the Knowledge of concept transport sector and in analysis Benefit/Cost Analysis (BCA) ,economic analysis .	PSO2
				CO3	Analyse different government policies for regulation and reform of the Telecommunication sector.	PSO4
				CO4	Understand key issues and problems with respect to regulation, governance and policies for the power sector	PSO5
				CO5	Integrate technical, economic, social and regulatory frameworks for education and health sectors.	PSO5
17	IV	ECO402	Human Resource Management	CO1	Examine the nature, need and approaches of human resource management and human resource development	PSO4
				CO2	Illustrate the formation of human capital and analyse human development index	PSO2
				CO3	To analyse the quality circles, performance appraisal, training and development.	PSO4
				CO4	To analyse the various approaches to human relations and human resource management	PSO5
				CO5	To examine methods, selections procedure in recruitment and motivation in employees training.	PSO 5
18	IV	ECO403	Computer Applications in Economics	CO1	To become familiar with basic knowledge on computer	PSO1
				CO2	To draw distributive tables, graphs, trend lines	PSO2
				CO3	estimation of statistical tools by using software and analysing the results of economic relationships, testing economic hypotheses and forecasting.	PSO5
				CO4	Apply advanced internet application	PSO5
				CO5	To become familiar with a statistical software	PSO2
19	IV	ECO404	Demography	CO1	Describe the meaning of demography and demographic profile of India	PSO4
				CO2	Describe the various factors affecting fertility	PSO5
				CO3	Describe the life table and methods of constructing life table	PSO1

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
				CO4	Describe the Malthusian Theory and Neo Malthusian Theory of Population theory of demographic transition	PSO1
				CO5	Discuss the reasons for unequal distribution of population and analyse the meaning of population policy	PSO1
				CO6	Develop the skill of understanding the demographic issues of India	PSO 4
20	IV	ECO404(D)	Gender Economics and Development	CO1	Identify the importance of women studies and its status in world economies	PSO1
				CO2	Analyse the concepts of women's work and their participation in various fields	PSO3
				CO3	Explains the role of women in labour markets	PSO1
				CO4	Examines the social security and protection of women	PSO4
				CO5	Evaluate the gender planning and development policies for women.	PSO3

ENGLISH

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	ENG101	History of English Language	CO1	Acquire knowledge of the history of language and its socio-geographical variations.	PSO2
				CO2	Appreciate the history of the English Language, its insights, theoretical approaches, the changes and employability opportunities.	PSO4
				CO3	Hone analytical and interpretive skills.	PSO1
2	I	ENG102	Poetry I	CO1	Appreciate and analyse British poetry in the larger socio-political and cultural contexts of the time.	PSO3
				CO2	Develop analytical and critical modes of appreciating poetry of different ages.	PSO1
				CO3	Make a comparative study of various forms and movements of poetry	PSO3
3	I	ENG103	Drama I	CO1	Apply the theories of drama to interpret characters, types and its socio-cultural contexts.	PSO1
				CO2	To generate a broad vision of life by coming to grips with universal problems discussed in these classical dramas.	PSO2

				CO3	Explore the universality of the classical dramas and how politically motivated are these writings.	PSO3
4	I	ENG104	Prose and Fiction I	CO1	Practice critical thinking and reading skills, to devise original ideas, rather than simply echo the ideas of others.	PSO2
				CO2	Make an in-depth analysis of the prose works of British writers.	PSO1
				CO3	Analyse British classical novels in the context of the times.	PSO3
5	I	ENG105	Use of English I	CO1	Examine the relation between the textual components through lexical and grammatical cohesion devices.	PSO1
				CO2	Analyse complex words in terms of derivation, inflection, compounding the grammaticality of words using correct technical vocabulary.	PSO2
				CO3	Apply grammatical rules and become proficient in the use of English.	PSO4
				CO4	Enhance teaching learning skills.	PSO4
6	II	ENG201	Phonetics & Linguistics	CO1	Gain mastery in articulating the right sounds and intonation of English.	PSO4
				CO2	Learn the application of modern linguistics.	PSO2
				CO3	Improve fluency in English and minimize mother tongue influence.	PSO4
7	II	ENG202	Poetry II	CO1	Appreciate and analyse British poetry in the larger socio-political and cultural contexts of the time.	PSO1
				CO2	Develop analytical and critical modes of appreciating poetry of different ages.	PSO2
				CO3	Make a comparative study of various forms and movements of poetry	PSO3
8	II	ENG203	Drama II	CO1	Apply the theories of drama to interpret characters, types and its socio-cultural contexts.	PSO3
				CO2	To generate a broad vision of life by coming to grips with universal problems discussed in these classical dramas.	PSO4
				CO3	Explore the universality of the classical dramas and how politically motivated are these writings.	PSO3

				CO1	Practice critical thinking and reading skills, to devise original ideas, rather than simply echo the ideas of others.	PSO1
9	II	ENG204	Prose and Fiction II	CO2	Make an in-depth analysis of the prose works of British writers.	PSO2
				CO3	Analyse British classical novels in the context of the times.	PSO 4
10	II	ENG205	Use of English II	CO1	Examine the relation between the textual components through lexical and grammatical cohesion devices.	PSO 1
				CO2	Analyse complex words in terms of derivation, inflection, compounding the grammaticality of words using correct technical vocabulary.	PSO 4
				CO3	Apply grammatical rules and become proficient in the use of English.	PSO3
				CO4	Enhance teaching learning skills.	PSO4
11	III	ENG301	Literary Theory & Criticism I	CO1	Enhance knowledge of Literary theories.	PSO1
				CO2	Analyse and interpret literatures based on the theories and approaches	PSO3
				CO3	Enhance the critical thinking of students by introducing to them literary and political theories.	PSO4
				CO4	Develop research orientation.	PSO2
12	III	ENG302	New Literatures in English I	CO1	Demonstrate ability to show an understanding of cultural exchange processes as represented through new literatures.	PSO3
				CO2	Examine different ways of reading and using literary texts across wide range of classical authors, genres and periods with comparative perspectives.	PSO1
				CO3	Show familiarity with the emergent body of literature being produced by writers from the colonized nations and analyse its socio-political-cultural contexts.	PSO4, PSO3
13	III	ENG303	Indian Writing in English I	CO1	Develop an overview of the various phases of the evolution of Indian writing in English.	PSO1
				CO2	Get acquainted with the thematic concerns, genres and trends of Indian writing in English.	PSO2
				CO3	Analyse the pluralistic aspects of Indian culture and identity.	PSO3

				CO4	Engage with and write cogently on issues specific to modern India and to local realities.	PSO4
14	III	ENG304	American Literature I	CO1	To introduce the students the periods of American literature.	PSO1
				CO2	To introduce to them a bunch of poems, plays and fiction written by American authors and make the students know the trends from time to time.	PSO2
				CO3	Analyse the pluralistic aspects of American culture and identity.	PSO3
15	III	ENG305	English language Teaching I	CO1	Assimilate different theories and approaches related to language acquisition and second language learning.	PSO1
				CO2	Distinguish among teacher centered, learning centered and learner centered classrooms.	PSO3
				CO3	Learns various teaching methodologies for adoption in classrooms.	PSO4
				CO4	Learn how best to evaluate pupil's performance in the process of language acquisition.	PSO4
16	IV	ENG401	Literary Theory & Criticism II	CO1	Enhance knowledge of Literary theories.	PSO1
				CO2	Analyse and interpret literatures based on the theories and approaches	PSO3
				CO3	Enhance the critical thinking of students by introducing to them literary and political theories.	PSO3
				CO4	Develop research orientation.	PSO2
17	IV	ENG402	New Literatures in English II	CO1	Demonstrate ability to show an understanding of cultural exchange processes as represented through new literatures.	PSO2
				CO2	Examine different ways of reading and using literary texts across wide range of classical authors, genres and periods with comparative perspectives.	PSO3
				CO3	Show familiarity with the emergent body of literature being produced by writers from the colonized nations and analyse its socio-political-cultural contexts.	PSO3
18	IV	ENG403	Indian Writing in English II	CO1	Provide an overview of the various phases of the evolution of Indian writing in English.	PSO1

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
				CO2	Introduce students to the thematic concerns, genres and trends of Indian writing in English.	PSO2
				CO3	Expose students to the pluralistic aspects of Indian culture and identity.	PSO3
19	IV	ENG404	American Literature II	CO1	To introduce the students the periods of American literature.	PSO1
				CO2	To introduce to them a bunch of poems, plays and fiction written by American authors and make the students know the trends from time to time.	PSO2
				CO3	Analyse the pluralistic aspects of American culture and identity.	PSO3
20	IV	ENG405	English language Teaching II	CO1	Assimilate different theories and approaches related to language acquisition and second language learning.	PSO1
				CO2	Distinguish among teacher centered, learning centered and learner centered classrooms.	PSO3
				CO3	Learns various teaching methodologies for adoption in classrooms.	PSO4
				CO4	Learn how best to evaluate pupil's performance in the process of language acquisition.	PSO4

M.Com.

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	COM 101	Business Management	CO1	Define concepts, functions and principles of management	PSO1
				CO2	Apply decision making process in business	PSO2
				CO3	Support the organisation with different interpersonal skills	PSO5
				CO4	Design organisational structure of various firms	PSO4
2	I	COM 102	Business Economics	CO1	Demonstrate an understanding of different principles of micro economics	PSO1
				CO2	Apply the concepts of demand, cost and production in decision making	PSO3
				CO3	Understand the theory of consumer behaviour behaviour and marginal utility	PSO1

				CO4	Distinguish different market structures and pricing	PSO4
3	I	COM 103	Business Environment	CO1	Demonstrate the concepts and dynamic factors of business environment strategies.	PSO1
				CO2	Implement different government policies in the organisation	PSO3
				CO3	Analyse the trends and structure of Indian economy	PSO2
				CO4	Integrate the internal environment of business with external environment	PSO4
4	I	COM 104	Entrepreneurship Development	CO1	Demonstrate an understanding of Entrepreneur ship[Development	PSO1
				CO2	Develop successful business ideas for new entrepreneurial ventures	PSO4
				CO3	Identify sources of finance for startups	PSO4
				CO4	Explain the different institutions supporting entrepreneurs	PSO1
5	I	COM 105	Information Technology for Business	CO1	Explain fundamentals of computer hardware and software	PSO1
				CO2	Apply ICT's to manage information for a business	PSO2
				CO3	Demonstrate the concepts of database management systems.	PSO1
				CO4	Identify database architecture and governance for various business functions in an organisation.	PSO3
6	I	COM 106	Quantitative Techniques for Business decision	CO1	Identify the business problems in decision making	PSO3
				CO2	Develop strategies to improve day to day performance of the organisations	PSO4
				CO3	Explore data to find new patterns and relationships	PSO4
				CO4	Apply various probabilistic tests for solving business problems	PSO2
7	II	COM 201	Business Laws	CO1	Explain various documents maintained by a company.	PSO1
				CO2	Identify the role of directors in a company.	PSO1
				CO3	Demonstrate various business law	PSO1
				CO4	Explain various acts related to environment and information technology.	PSO1
8	II	COM 202	E-Commerce	CO1	Demonstrate the concepts of E- Commerce	PSO1
				CO2	Explain E-Payments and E-CRM	PSO3
				CO3	Design a new online business idea	PSO4

					CO4	Understand the web marketing and web advertising strategies	PSO1
9	II	COM 203	Financial Management		CO1	Demonstrate the basic functions decisions and responsibilities of a financial manager	PSO1
					CO2	Evaluate the techniques of investment proposals	PSO3
					CO3	Analyse capital structure of a concern	PSO2
					CO4	Apply the appropriate management strategy	PSO3
10	II	COM 204	Human Resources Management		CO1	Demonstrate an understanding of the role of human resource management	PSO1
					CO2	Explain human resource planning, recruitment and selection process	PSO1
					CO3	Identify the importance of training and development and performance appraisal.	PSO2
					CO4	Examine job evaluation and quality of work life in the organization.	PSO1
11	II	COM 205	Marketing Management		CO1	Define the role of marketing in the success of business organizations	PSO1
					CO2	Identify different marketing mix elements	PSO2
					CO3	Analyse the needs and wants of customers.	PSO2
					CO4	Demonstrate effective and efficient channel management system and control the marketing plans.	PSO1
12	II	COM 206	Business analytics and Research Methods		CO1	Identify various steps in business research	PSO1
					CO2	Understand various methods of data collection	PSO1
					CO3	Apply research to solve business problems	PSO2
					CO4	Prepare questionnaire and conduct market survey	PSO4
13	II	COM 207	Computer Fundamentals		CO1	Demonstrate the uses of computers in our world	PSO1
					CO2	Explain various storage devices, software, software, operating systems	PSO1
					CO3	MS Office	PSO5
14	III	COM 301	Financial Accounting & Packages		CO1	Explain principles of computerised financial accounting	PSO1
					CO2	Generate financial statements in tally	PSO4
					CO3	Analyse the cost and management accounting .	PSO2

15	III	COM 302	Business Communication Skills	CO1	Explain the difference s in communication methods and the suitability according to different businesses	PSO1
				CO2	Prepare and deliver effective presentations	PSO4
				CO3	Demonstrate business etiquettes in different business scenarios	PSO1
				CO4	Prepare CV	PSO4
16	III	COM 303	Corporate Accounting	CO1	Demonstrate the role of Corporate accountant.	PSO1
				CO2	Explain various methods of valuation of shares	PSO1
				CO3	Prepare consolidated financial statements.	PSO2
				CO4	Examine emerging areas in accounting.	PSO2
17	III	COM 304	Direct Taxes	CO1	Apply direct taxes.	PSO1
				CO2	Identify various types of incomes, taxability and deductibility	PSO3
				CO3	Examine the assessment of different persons under income tax Act and wealth tax	PSO5
				CO4	Demonstrate income tax administration	PSO1
18	III	COM 305	Advanced Banking	CO1	Explain the role of RBI as central banks	PSO1
				CO2	Examine central banking policies in developed and developing countries.	PSO2
				CO3	Demonstrate the role of commercial banks in economic development.	PSO1
				CO4	Identify recent trends in banking.	PSO2
19	III	COM 306	Insurance and Risk management	CO1	Explain the process of risk management.	PSO1
				CO2	Identify various commercial insurance policies	PSO2
				CO3	Distinguish health and general insurance policies.	PSO2
				CO4	Demonstrate IRDA act.	PSO1
20	III	COM 307	Soft and Employability Skills	CO1	Demonstrate communication skills	PSO1
				CO2	Analyse individual SWOT and case studies	PSO4
				CO3	Acquire GD and interview skills	PSO5
21	IV	COM 401	Indian Financial System	CO1	Examine the role of Indian financial system in the economic development	PSO1
				CO2	Demonstrate the constituents of Indian financial system	PSO1

				CO3	Apply financial concepts proper fund management in an organisation	PSO2
				CO4	Integrate the functions of organised financial markets	PSO1
22	IV	COM 402	International Business	CO1	Explain global business environment	PSO1
				CO2	Discuss regional economic integration	PSO1
				CO3	Examine the implications of international trade and investment theories	PSO2
				CO4	Interpret the basic decisions of entry into international business	PSO2
23	IV	COM 403A	Corporate Restructuring & Accounting	CO1	Explain various models of corporate restructuring	PSO1
				CO2	Demonstrate the procedure for corporate restructuring	PSO1
				CO3	Identify various sources of financing for mergers and takeovers.	PSO2
				CO4	Apply techniques for valuation of share capital.	PSO4
24	IV	COM 404A	Cost &Management Accounting	CO1	Explain concepts and tools of cost management	PSO1
				CO2	Identify activity based costing.	PSO2
				CO3	Design cost estimate using various methods.	PSO4
				CO4	Evaluate cost control techniques	PSO2
25	IV	COM 405A	Tax Planning & Management	CO1	Explain corporate tax laws in India.	PSO1
				CO2	Distinguish between tax planning and evasion.	PSO3
				CO3	Identify different provisions relating to dividends distribution	PSO3
				CO4	Compute tax liability of a concern.	PSO3
26	IV	COM 406A	Goods and Service Tax	CO1	Demonstrate concept and fundamentals of GST	PSO1
				CO2	Explain duties under purview of GST	PSO1
				CO3	Identify time and value of input credit	PSO2
				CO4	Examine GST administration assessment and filing of returns.	PSO1

MATHEMATICS

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	MAT 101	Algebra	CO1	Identify groups, sub groups, homomorphism, automorphism	PSO1
				CO2	Analyse the properties of finite abelian groups	PSO1
				CO3	Demonstrate an understanding of ring theory by proving the standard theorems in this area.	PSO2
				CO4	Apply the concepts in ring theory to solve polynomial equations in Euclidean rings	PSO3
				CO5	Summarize the concepts of vector spaces.	PSO2
2	I	MAT 102	Real Analysis	CO1	Demonstrate the properties of - limits of functions, continuous functions on compact and connected metric spaces.	PSO1
				CO2	Prove Mean Value Theorems and L-Hospitals rule of Higher orders	PSO1
				CO3	Evaluate the properties of Riemann-Stieltjes integrals of a bounded real valued function.	PSO2
				CO4	Compare pointwise convergence and uniform convergence of a sequence of functions with respect to continuity, differentiation and integration.	PSO1
				CO5	Discuss Weierstrass Approximation Theorem and Stone's Generalisation Theorem.	PSO1
3	I	MAT 103	Ordinary Differential Equations	CO1	Solve homogeneous and non-homogeneous differential equations of second order and problems in power series, Frobenius series.	PSO3
				CO2	Compute successive approximations to find the solutions of the given integrable function.	PSO3
				CO3	Discuss Bessel's function, Gamma function and Legendre's polynomials	PSO3
				CO4	Evaluation of differential equations by using laplace transforms and inverse laplace transforms.	PSO3
4	I	MAT 104	Topology	CO1	Summarize the properties of open sets and closed sets, continuous functions in metric spaces and topological spaces	PSO1

					CO2	Outline the theory of open bases and subbases in a topological space	PSO1
					CO3	Examine compact topological spaces and metric spaces	PSO1, PSO2
					CO4	Categorize T1, T2, Completely regular , and normal spaces by their separation properties	PSO1, PSO2
					CO5	Discuss the properties of connectedness in topological spaces	PSO1
5	I	MAT 105	Advanced Discrete Mathematics		CO1	Recall the basic concepts related to logic and reasoning	PSO1
					CO2	Explain the Comprehensive study of finite machines	PSO2
					CO3	Discuss about Lattices and Boolean algebras	PSO2
					CO4	Solve Boolean expressions using the properties of Boolean algebra	PSO3
					CO5	Apply the basics in Theory of switching circuits to real life problems.	PSO3
6	II	MAT 201	Galois Theory		CO1	Discuss the properties of modules, extension fields and roots of polynomials.	PSO1
					CO2	Test the irreducibility of a given polynomial.	PSO2
					CO3	Analyse the following algebraic structures - algebraically closed fields, splitting fields, separable extensions, normal extensions, and Galois fields..	PSO2
					CO4	Solve polynomial equations in terms of radicals.	PSO3
					CO5	Apply the concept of field extensions to classical constructability problems.	PSO3
7	II	MAT 202	Real Analysis II		CO1	List the properties of exponential and logarithmic functions, power series, trigonometric series, and Fourier series	PSO2
					CO2	Construct derivatives of functions of several variables and examine the properties of the corresponding linear transformations(operators) and the determinants of their square matrices	PSO1, PSO2
					CO3	Explain the various theoretical aspects of differential forms	PSO1
					CO4	Prove Inverse Function Theorem, Implicit function Theorem, and Stoke's Theorem	PSO1, PSO2

				CO1	Explain first order PDEs, classification of integrals, Pfaffian differential equations and linear equations.	PSO1
8	II	MAT 203	Partial Differential Equations	CO2	Solve problems in Pfaffian differential equations, compatible system of equations, and second order PDEs using Charpit's method, and Jacobi's method	PSO3
				CO3	Summarize the concepts of vibrations of a string of finite, semi-infinite, infinite lengths, maximum and minimum principles	PSO1
				CO4	Evaluate Dirichlet problems and Neumann problems for upper half plane, half plane and circle.	PSO2
				CO5	Discuss Laplace's equation, Green's function, heat conduction equation for finite and infinite rod cases, and Duhamel's principle.	PSO1
9	II	MAT 204	Numerical Methods with "C"	CO1	Demonstrate the concepts of character set of C, data types, variables, basic definitions on functions, parameters, variables, arrays, strings, pointers , structures and unions.	PSO1
				CO2	Compose a C program and execute in code language.	PSO2
				CO3	Apply Newton's interpolation formula, Lagrange's interpolation formula, Hermite interpolation formula on polynomials.	PSO3
				CO4	Solve differential equations by using interpolation methods, composite integration methods, single-step methods and Multi-step methods.	PSO3
10	II	MAT 205	Graph Theory	CO1	Write precise and accurate mathematical definitions of objects in graph theory.	PSO2
				CO2	Calculate the minimum shortest path in a weighted graph.	PSO3
				CO3	Discuss the properties of trees, connected graphs, planar graphs, and separable graphs.	PSO1
				CO4	Construct the geometric dual of a given graph.	PSO3
				CO5	Determine the solutions for real time problems using graph theory.	PSO3
11	III	MAT 301	Rings and Modules	CO1	Recall the basic concepts of Algebra.	PSO1
				CO2	Explain the properties of Modules.	PSO1

				CO3	Differentiate prime ideals and maximal ideals in Commutative Rings.	PSO2
				CO4	Analyse in detail the complete ring of quotients in Commutative Rings.	PSO1
				CO5	Evaluate the properties of prime ideal spaces.	PSO2
12	III	MAT 302	Complex Analysis	CO1	Interpret the properties of complex number system, and power series	PSO1
				CO2	Explain the properties of analytic functions, logz function, and Mobius transformations	PSO1, PSO2
				CO3	Make use of the various versions of Cauchy's Theorems in counting zeroes	PSO1, PSO2
				CO4	Evaluate definite integrals by the theory of residues	PSO3
				CO5	Elaborate the various extensions and applications of the Maximum Modulus Principle	PSO1
13	III	MAT 303	Functional Analysis	CO1	Explain - Metric spaces with examples, completeness of $\mathbb{R}^n$, $\mathbb{C}^n$, C[a,b] , sequence spaces, and properties of metric spaces.	PSO1
				CO2	Define - Normed spaces and Banach spaces, types of linear operators and functionals.	PSO1
				CO3	Demonstrate the properties of bounded and continuous linear operators, strong and weak convergence of sequences of operators and functionals.	PSO2
				CO4	Prove Hahn-Banach theorems on real vector space, complex vector space, and normed space, Open Mapping Theorem, Closed Graph Theorem.	PSO1
				CO5	Apply Banach fixed point theorem and its applications to differential and integral equations.	PSO2
14	III	MAT 304	Lattice Theory	CO1	Recall the definitions of partially ordered sets.	PSO1
				CO2	Exemplify the properties of lattices and Boolean Algebras.	PSO1
				CO3	Explain the concepts of complete lattices.	PSO2
				CO4	Differentiate between Modular and Distributive Lattices.	PSO2
				CO5	Solve advanced problems in Lattice Theory and also problems connected with its applications to Mathematics.	PSO3

15	III	MAT 305B	Linear Programming	CO1	Define decision variables, the objective function, and constraints in formulating linear programming problems.	PSO1
				CO2	Formulate and solve linear programming problems by using simplex method and two phase simplex method.	PSO3
				CO3	Minimise the cost of transportation by using the Stepping Stone algorithm and UV-method.	PSO3
				CO4	Construct and solve assignment problems using Hungarian method and Bottleneck method.	PSO2
16	IV	MAT 401	Non Commutative Rings	CO1	Summarise the properties of associative rings.	PSO1
				CO2	Analyse the properties of Artinian and Noetherian rings.	PSO1
				CO3	Discuss the concepts in local rings.	PSO1
				CO4	Describe in detail projective and injective modules.	PSO2
				CO5	Explain the theory of Complete Ring of Quotients.	PSO1
17	IV	MAT 402	Measure & Integration	CO1	Demonstrate the properties of Lebesgue - outer measure function, measure function, measurable sets, and measurable functions	PSO1, PSO2
				CO2	Apply the theory of Lebesgue integration to prove standard theorems in this regard	PSO1, PSO2
				CO3	Summarize the properties of general measure, outer measure, measure on an algebra, signed measure, and product measure in general measure spaces	PSO1, PSO2
				CO4	Discuss the properties of functions of bounded variations, derivative of an indefinite integral, and absolutely continuous functions	PSO1, PSO2
18	IV	MAT 403	Operator Theory	CO1	Recall Inner product spaces, Hilbert spaces, orthogonality, orthonormal sets and sequences.	PSO1
				CO2	Prove the orthonormal properties of Legendre, Laguerre and Hermite polynomials, theorems on Hilbert adjoint, unitary, self adjoint, and normal operators.	PSO2
				CO3	Explain the properties of the resolvent and spectrum of bounded linear operators on finite and infinite dimensional normed spaces.	PSO1

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
				CO4	Discuss the advanced and spectral properties of compact linear operators on normed spaces, equations involving compact linear operators, and theorems on Fredholm alternative.	PSO1
19	IV	MAT 404A	Coding Theory	CO1	Solve problems involving error-correcting codes by linking them to concepts from elementary number theory, linear algebra and elementary calculus.	PSO3
				CO2	Compute subspaces, independence, dimension and bases for the given code and its dual.	PSO3
				CO3	Calculate the parameters of given codes and their dual codes using standard matrix and polynomial operations.	PSO3
				CO4	Design simple linear and cyclic linear codes.	PSO3
				CO5	Discuss the structure of MLD, Perfect codes, Hamming codes, Golay codes and Reed-Muller codes.	PSO1
20	IV	MAT 405B	Operations Research	CO1	Solve revised simplex method problems by using standard forms I and II, and dynamic programming problems.	PSO3
				CO2	Change a primal problem into a dual problem, and a game into an LPP.	PSO2
				CO3	Evaluate dual problems and their properties, post optimality problems, shortest route problems, Equipment replacement problems, and cargo loading problems.	PSO2
				CO4	Classify and solve Integer Programming Problems by using Gomory's cut, Bala's implicit enumeration technique.	PSO3
				CO5	Examine job sequencing problems and find their solutions using Johnson's algorithm.	PSO3

MBA

S.No.	Semester	Course Code	Course Title		Course Outcomes (COs)	Program Specific Outcomes (PSOs)
1	I	MBA 101	Managing people & Organizations	CO1	Define concepts functions and principles of management	PSO1
				CO2	Identify the relationship between basic human resource functions to managerial roles and responsibilities.	PSO2
				CO3	Understand culture & conflicts in organisations	PSO2
				CO4	Analyse sustainability and organizational effectiveness.	PSO4

2	I	MBA 102	Managerial Economics	CO1	Describe the fundamental tools and theories of managerial economics	PSO1
				CO2	Analyse the demand elasticity for a product	PSO3
				CO3	Compare micro and macro-economic indicators	PSO3
				CO4	Analyse recent budget, fiscal discipline and disinvestment proposals of the government of India.	PSO5
3	I	MBA 103	Business Analytics for decision making	CO1	Identify the Business problems for managerial decision making	PSO1
				CO2	Develop strategies to improve day to day performance of organizations	PSO1
				CO3	Explore data to find new patterns and relationships	PSO3
				CO4	Prepare questionnaire and conduct market survey	PSO4
4	I	MBA 104	Business, Government & Society	CO1	Demonstrate the concepts and dynamic factors of business environment	POS1
				CO2	Understand rationale for government interventions in market systems	PSO1
				CO3	Develop Corporate Social Responsibility practices	PSO6
				CO4	Develop the skills needed to work through ethical dilemmas in a globalized economic era.	PSO6
5	I	MBA 105	Managerial Communication	CO1	Explain the differences in communication methods and the suitability according to different businesses.	PSO1
				CO2	Prepare and deliver effective presentations and pitches to suit various business scenarios	PSO1
				CO3	Identify common social media platforms used by businesses.	PSO3
				CO4	Write different types of reports with appropriate format, organization and language	PSO1
6	I	MBA 106	Accounting for managers	CO1	Define fundamental accounting concepts, the elements of financial statements, and basic Accounting vocabulary.	PSO1
				CO2	Analyse the financial, Funds flow and cash flow statements of companies	PSO3
				CO3	Identify the different cost concepts, cost management techniques and capital issues	PSO1

				CO4	Analyse the audit reports through different audit techniques	PSO5
7	I	MBA 108	Personality Development	CO1	Demonstrate business etiquettes in different business scenarios	POS1
				CO2	Acquire skills to combat stress and manage time effectively	PSO5
				CO3	Develop interpersonal relations & conflict management	PSO2
8	II	MBA 201	Marketing Management	CO1	Define the role of marketing in the success of business organizations	PSO1
				CO2	Identify different marketing mix elements	PSO1
				CO3	Analyse the needs and wants of customers	PSO3
				CO4	Apply efficient channel management system and control the marketing plans	PSO5
9	II	MBA 202	Human Resources Management	CO1	Explain the Role of HRM department	PSO1
				CO2	Prepare HR Plan, Recruitment and Selection process	PSO4
				CO3	Explore Training & Development and Appraisal Practices	PSO3
				CO4	Prepare and develop Compensation and Strategic HR Plans	PSO4
10	II	MBA 203	Financial Management	CO1	Demonstrate the basic functions, decisions and responsibilities of a financial manager	PSO1
				CO2	Evaluate the techniques of investment proposals	PSO3
				CO3	Analyse capital structure of a concern.	PSO3
				CO4	Apply the appropriate financial management strategy	PSO4
11	II	MBA 204	Operations Research	CO1	Explain the concepts of operations research	PSO1
				CO2	Analyse the quantitative mathematical models for managerial decision making	PSO3
				CO3	Develop plans for optimum use of various resources	PSO3
				CO4	Formulate strategies for real business problems	PSO3
12	II	MBA 205	Entrepreneurship & Theory and Practice	CO1	Demonstrate an understanding of entrepreneurship and types of small businesses.	PSO1
				CO2	Identify various environmental factors influencing entrepreneurship.	PSO1
				CO3	Analyse recent trends in entrepreneurial innovations and ventures of small firms.	PSO4
				CO4	Develop entrepreneurial decision-making skills.	PSO4

				CO1	Explain the concepts of MIS in various functional areas of an organization.	PSO1
13	II	MBA 206	Management Information Systems	CO2	Identify the relationship of MIS with the various activities of the organization.	PSO1
				CO3	Develop and implement MIS at various levels of organization	PSO5
				CO4	Explore common IS development tools for organizational development.	PSO5
14	II	MBA 209	Legal Framework for Business	CO1	Explain legal concepts of a contract	PSO1
				CO2	Discriminate legal and ethical issues of business	PSO6
				CO3	Integrate business with legal framework	PSO5
15	II	MBA 210	MS Excel & Accounting Tally Lab	CO1	Demonstrate the basic skills of using Excel in Business Applications	PSO1
				CO2	Create solutions for Data Management and Reporting	PSO5
				CO3	Prepare financial statements using Tally for different organizations	PSO1
16	III	MBA 301	Strategic Management	CO1	Explain the core concepts in strategic management and their application to current business scenarios	PSO1
				CO2	Formulate strategies and strategic plans.	PSO4
				CO3	Evaluate challenges faced by managers in implementing strategies.	PSO5
				CO4	Analyse strategies of various corporate organizations.	PSO3
17	III	MBA 303 MKT	Product and Brand Management	CO1	Demonstrate an understanding of the fundamental concepts of product and brand management	PSO1
				CO2	Apply brand positioning framework to develop a brand	PSO4
				CO3	Analyse strategies of competitors.	PSO4
				CO4	Assess portfolio matrix and product lifecycle to manage firm's product mix	PSO5
18	III	MBA 304 MKT	Advertising Management	CO1	Examine the role and importance of advertising	PSO1
				CO2	Analyse the task of advertising under contemporary conditions	PSO4
				CO3	Evaluate advertising policies, plans and campaigns	PSO3
				CO4	Develop advertising research and media planning.	PSO4

				CO1	Explain the unique challenges of services marketing	PSO1
19	III	MBA 305 MKT	Services Marketing	CO2	Prepare service blue printing.	PSO4
				CO3	Examine services audit plan for services	PSO1
				CO4	Formulate service marketing mix for new services	PSO4
20	III	MBA302 HRMOB	Human Resource Planning	CO1	Determine the requirements of human resources in the organization	PSO1
				CO2	Develop a conceptual as well as practical understanding of human resource planning, deployment, maintaining HR Information	PSO4
				CO3	Demonstrate an understanding of HR Accounting and HR audit	PSO1
				CO4	Analyse HR Planning policies and practices of any three product and service organizations	PSO5
21	III	MBA 303 HRMOB	Performance and Reward Management	CO1	Explain the process of performance appraisal & management in the organisations	PSO1
				CO2	Analyse compensation case studies and practical experiences	PSO3
				CO3	Prepare a comprehensive compensation plan and good reward system for the organisation	PSO4
				CO4	Develop strategic HR plans	PSO4
22	III	MBA306 HRMOB	Industrial Relations and Employment Laws	CO1	Explain the concepts of Industrial Relations	PSO1
				CO2	Identify the reasons for industrial disputes and their resolution	PSO1
				CO3	Prepare an effective mechanism for implementing labour laws	PSO4
				CO4	Demonstrate an understanding of various labour laws	PSO1
23	III	MBA 302FIN	Financial Institutions and Markets	CO1	Examine the role of Indian financial system in the economic development.	PSO1
				CO2	Demonstrate the constituents of Indian Financial System	PSO1
				CO3	Apply financial concepts for proper fund management in an organization	PSO4
				CO4	Integrate the functions of organized financial markets at domestic & international level	PSO5
				CO1	Identify various investment avenues.	PSO1

				CO2	Determine the price of equity and debt instruments.	PSO1
24	III	MBA 304FIN	Security Analysis and Portfolio Management	CO3	Construct bond and equity portfolio based on risk & return	PSO5
				CO4	Evaluate the performance portfolio	PSO3
25	III	MBA306 FIN	Mergers and Acquisitions	CO1	Understand the concepts of corporate mergers and acquisitions	PSO1
				CO2	Examine the role of M&A in contemporary corporate world	PSO1
				CO3	Identify synergies for mergers and acquisitions	PSO4
				CO4	Explain strategies and legal aspects of restructuring	PSO1
26	III GE	MBA 310	Creativity & Innovation	CO1	Understand building blocks of innovation	PSO1
				CO2	Value teaming, communication and diversity	PSO2
				CO3	Create and sustain high levels of innovation	PSO4
27	IV	MBA 401	International Business	CO1	Explain Global Business Environment	PSO1
				CO2	Determine the role of International monitory system	PSO1
				CO3	Examine the implications of international trade & investment theories that hold for business practice.	PSO4
				CO4	Interpret the basic decisions of entry into international business	PSO4
28	IV	MBA 402 MKT	Strategic Marketing	CO1	Explain key principles of strategic marketing	PSO1
				CO2	Develop strategic marketing plans	PSO4
				CO3	Evaluate an organization's strategic approach towards marketing	PSO4
				CO4	Analyse situations and make strategic marketing decisions	PSO4
29	IV	MBA 403 MKT	Sales and Distribution Management	CO1	Demonstrate an understanding of the concept of sales and distribution management and their interrelationship	PSO1
				CO2	Apply skills and methods required for sales force management and their role and responsibilities	PSO4
				CO3	Examine the theories of rural distribution and retailing.	PSO1
				CO4	Understand the process of marketing logistics.	PSO1
30	IV	MBA 404 MKT	Retail Management	CO1	Understand the concepts of retailing and retail management	PSO1
				CO2	Examine the role of retail market strategies.	PSO4

				CO3	Identify retail management policies, pricing and promotional techniques.	PSO1
				CO4	Examine the retail store management and CRM practices.	PSO4
31	IV	MBA 402 HRMOB	Human Resource Development	CO1	Understand the concepts, techniques and practices of human resource development.	PSO1
				CO2	Demonstrate Coaching, Counselling & Mentoring Skills	PSO1
				CO3	Design Management Development Programmes	PSO5
				CO4	Analyse HRD Audit	PSO3
32	IV	MBA 403 HRMOB	Leadership	CO1	Demonstrate the role of a leader	PSO1
				CO2	Examine various theories and models of leadership	PSO1
				CO3	Develop group dynamics and team leadership skills	PSO2
				CO4	Evaluate leadership development and succession planning in Indian business	PSO3
34	IV	MBA 405 HRMOB	International HRM	CO1	Demonstrate the basic concepts of IHRM	PSO1
				CO2	Examine specific issues in IHRM	PSO3
				CO3	Identify the HR challenges faced by MNCs	PSO1
				CO4	Analyse IHRM practices in selected countries	PSO4
35	IV	MBA 403 FIN	Commodity Markets and Derivatives	CO1	Demonstrate different types of derivate instruments in India.	PSO1
				CO2	Explain the mechanism of forward & futures contracts	PSO3
				CO3	Analyse the option pricing models	PSO3
				CO4	Discuss different types of swaps	PSO1
36	IV	MBA 404 FIN	International Finance	CO1	Demonstrate the importance of international financial management	PSO1
				CO2	Determine International monitory system and exposure management	PSO3
				CO3	Evaluate the techniques of capital budgeting, capital structure and Working capital of an MNC	PSO3
				CO4	Explain International accounting procedures and taxation policies	PSO1
37	IV	MBA 406 FIN	Strategic Cost Management	CO1	Demonstrate the application of costing systems in manufacturing concern	PSO1

				CO2	Explain different cost drivers to attain competitive advantage	PSO3
				CO3	Distinguish conventional and activity-based costing system	PSO1
				CO4	Determine COQ, BPR and TQM practices	PSO4
38	IV	MBA 409	Employability Skills Lab	CO1	Demonstrate communication skills	PSO1
				CO2	Analyse individual SWOT and Case studies	PSO4
				CO3	Create self-introductory videos and prepare themselves for GDPI	PSO4

Mapping of PSOs with POs

UG - HUMANITIES **(HEP, HELP, HELTTM, SWEP, JELP)**								
Programme Specific Outcomes (PSOs)	**PO1** Essential Knowledge	**PO2** Creative and critical thinking and problem solving abilities	**PO3** Teamwork and communication skills	**PO4** Digital capabilities	**PO5** Professionalism and leadership readiness	**PO6** Intercultural and ethical competency	**PO7** Self-awareness and emotional intelligence	**PO8** Social Responsibility
PSO1: Demonstrate fundamental knowledge of domain areas.	✓							✓
PSO2: Acquire competence to apply and communicate principles, techniques and skills to analyse and interpret texts and data and draw conclusions.	✓	✓	✓					
PSO3: Demonstrate problem-solving skills in real life situations by drawing from imbibed theories and principles	✓	✓		✓	✓		✓	
PSO4: Discuss the latest trends and applications pertinent to higher studies and employability.				✓	✓			

PSO5: Exhibit behaviour and actions denoting good citizenship and social responsibility.	✔	✔	✔	✔	✔	✔		✔
PSO6: Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations.	✔	✔	✔	✔	✔	✔	✔	✔

Programme Specific Outcomes (PSOs)	MES							
	PO1 Essential Knowledge	**PO2** Creative and critical thinking and problem solving abilities	**PO3** Teamwork and communication skills	**PO4** Digital capabilities	**PO5** Professionalism and leadership readiness	**PO6** Intercultural and ethical competency	**PO7** Self-awareness and emotional intelligence	**PO8** Social Responsibility
PSO1: Interpret the principles, classifications, concepts and theories.	✓	✓						✓
PSO2: Analyse hypothesis, procedures, properties, experimental facts and draw conclusions.	✓	✓						✓
PSO3: Apply techniques in solving problems, results, sample analysis and production.	✓	✓		✓				✓
PSO4: Discuss and disseminate the latest trends and applications pertinent to higher studies and employability.	✓	✓	✓	✓	✓		✓	✓

PSO5: Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations.	✓	✓	✓	✓	✓	✓	✓	✓

Programme Specific Outcomes (PSOs)	UG - COMMERCE					
	PO1 Essential Knowledge	**PO2** Creative and critical thinking and problem solving abilities	**PO3** Teamwork and communication skills	**PO4** Digital capabilities	**PO5** Professionalism and leadership readiness	**PO6** Intercultural and ethical competency
PSO1: Demonstrate the knowledge related to core disciplines of banking, accounting, finance, law, taxation and management.	✓	✓				
PSO2: Apply the provisions of Income Tax, Customs Law, GST other Direct and Indirect taxes.	✓	✓	✓		✓	
PSO3: Identify ethical, unethical accounting practices and financial reporting of public and private concerns.	✓	✓		✓	✓	✓

PSO4: Evaluate financial statements for effective management of business.	✓	✓	✓	✓	✓	
PSO5: Apply problem solving, decision making, entrepreneurial and communication skills to face the organisational challenges.	✓	✓	✓	✓		
PSO6: Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations.	✓	✓	✓	✓	✓	✓

Programme Specific Outcomes (PSOs)	MANUFACTURING STUDIES							
	PO1 Essential Knowledge	PO2 Creative and critical thinking and problem solving abilities	PO3 Teamwork and communication skills	PO4 Digital capabilities	PO5 Professionalism and leadership readiness	PO6 Intercultural and ethical competency	PO7 Self-awareness and emotional intelligence	PO8 Social Responsibility
PSO1: Demonstrate an understanding of the fundamental principles and concepts of management.	✓							✓
PSO2: Analyse the strategies related to Marketing, Finance and HR in a dynamic business environment.	✓	✓	✓		✓			✓
PSO3: Apply problem solving, decision making, entrepreneurial, and employability and communication skills to face the challenges of real business scenario.	✓	✓	✓	✓	✓			✓

PSO4: Develop awareness towards Corporate Social Responsibility and sustainable Business Practices.	✓	✓			✓	✓	✓	✓
PSO5: Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations.	✓	✓	✓	✓	✓	✓	✓	✓

Programme Specific Outcomes (PSOs)	UG - PHYSICAL SCIENCES							
	PO1 Essential Knowledge	PO2 Creative and critical thinking and problem solving abilities	PO3 Teamwork and communication skills	PO4 Digital capabilities	PO5 Professionalism and leadership readiness	PO6 Intercultural and ethical competency	PO7 Self-awareness and emotional intelligence	PO8 Social Responsibility
PSO1: Interpret the principles, classifications, concepts, theories and mechanisms.	✓	✓						✓
PSO2:Analyse hypothesis, procedures, properties, experimental facts and draw conclusions.	✓	✓						✓
PSO3:Apply techniques in solving problems, results, sample analysis and production.	✓	✓		✓				✓
PSO4: Discuss the latest trends and applications pertinent to higher studies and employability.	✓	✓	✓	✓	✓		✓	✓

PSO5: Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations.	✓	✓	✓	✓	✓	✓	✓	✓

Programme Specific Outcomes (PSOs)	UG - LIFE SCIENCES							
	PO1 Essential Knowledge	PO2 Creative and critical thinking and problem solving abilities	PO3 Teamwork and communication skills	PO4 Digital capabilities	PO5 Professionalism and leadership readiness	PO6 Intercultural and ethical competency	PO7 Self-awareness and emotional intelligence	PO8 Social Responsibility
PSO1: Summarize the concepts, principles, classifications, theories and mechanisms	✓	✓						✓
PSO2: Discuss hypothesis, procedures, results and draw conclusions.	✓	✓	✓					✓
PSO3: Apply tools and techniques in solving problems, sample analysis and production.	✓	✓	✓	✓				✓
PSO4: Develop skills pertinent to sustainability, higher progression and employability.	✓	✓	✓	✓			✓	✓

PSO5: Exhibit communicative competence and apply skills in computers, creative and critical thinking, interpersonal relationships and managing emotions in real life situations.	✓	✓	✓	✓	✓	✓	✓	✓

P.G ECONOMICS

Programme Specific Outcomes (PSOs)	PO1 Essential Knowledge	PO2 Creative and critical thinking and problem solving abilities	PO3 Teamwork and communication skills	PO4 Digital capabilities	PO5 Professionalism and leadership readiness	PO6 Intercultural and ethical competency	PO7 Self-awareness and emotional intelligence
PSO1: Identify the issues of socio economic contexts along with environmental needs and concerns	✓	✓				✓	✓
PSO2: Acquire skills of analysis and interpretations and apply them to real life situations	✓	✓	✓	✓	✓		
PSO3: Develop specific policy measures to address current socio economic problems	✓	✓	✓		✓		
PSO4: Design appropriate statistical techniques for innovation in teaching and scientific research in economics	✓	✓	✓	✓	✓		

		P.G ENGLISH					
Programme Specific Outcomes (PSOs)	**PO1** Essential Knowledge	**PO2** Creative and critical thinking and problem solving abilities	**PO3** Teamwork and communication skills	**PO4** Digital capabilities	**PO5** Professionalism and leadership readiness	**PO6** Intercultural and ethical competency	**PO7** Self-awareness and emotional intelligence
PSO1: Interpret literary texts of all genres and give a critical analysis.	✓	✓					
PSO2: Develop skills of research through evaluation, critical thinking and writing.	✓	✓	✓				
PSO3: Identify the significance of internationally acclaimed works through the writings of celebrated writers, including translated versions and apply the themes to global contexts.	✓	✓				✓	✓

| PSO4: Utilize the different critical approaches and demonstrate them through study of the prescribed texts, master the right articulation and intonation and gain fluency in English. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |

P.G COMMERCE							
Programme Specific Outcomes (PSOs)	**PO1** Essential Knowledge	**PO2** Creative and critical thinking and problem solving abilities	**PO3** Teamwork and communication skills	**PO4** Digital capabilities	**PO5** Professionalism and leadership readiness	**PO6** Intercultural and ethical competency	**PO7** Self-awareness and emotional intelligence
PSO1: Describe the fundamental the concepts and principles of accounting, finance, taxation, law and management.	✓	✓					
PSO2: Analyse the techniques of advanced accounting.	✓	✓		✓			
PSO3: Apply the concepts of Direct and Indirect taxes in organizational context.	✓	✓	✓				
PSO4: Develop decision making skills in the fields of finance, costing, management and accounting.	✓	✓					✓

PSO5: Apply communication, computerized accounting, interpersonal and entrepreneurial skills and e -Commerce principles in the real business scenario.	✓	✓	✓	✓	✓		

P.G MATHEMATICS							
Programme Specific Outcomes (PSOs)	**PO1** Essential Knowledge	**PO2** Creative and critical thinking and problem solving abilities	**PO3** Teamwork and communication skills	**PO4** Digital capabilities	**PO5** Professionalism and leadership readiness	**PO6** Intercultural and ethical competency	**PO7** Self-awareness and emotional intelligence
PSO1: Analyse and construct arguments to prove mathematical concepts.	✓	✓	✓				
PSO2: Develop mathematical reasoning to formulate ideas based on them.	✓	✓					
PSO3: Solve simple and complex problems in the advanced areas of pure Mathematics.	✓	✓			✓		

M.B.A							
Programme Specific Outcomes (PSOs)	**PO1** Essential Knowledge	**PO2** Creative and critical thinking and problem solving abilities	**PO3** Teamwork and communication skills	**PO4** Digital capabilities	**PO5** Professionalism and leadership readiness	**PO6** Intercultural and ethical competency	**PO7** Self-awareness and emotional intelligence
PSO1: Apply appropriate principles, theories and concepts to manage an organisation.	✓	✓	✓		✓		
PSO2: Demonstrate leadership and team building skills for coordinating organisational activities.	✓	✓	✓		✓		
PSO3: Analyse complex business problems using managerial competencies.	✓	✓	✓	✓	✓		
PSO4: Develop proactive thinking to perform effectively in dynamic business environment.	✓	✓	✓			✓	✓
PSO5: Integrate tools and techniques from multiple functional areas of management in current business scenario.	✓	✓	✓	✓	✓		

PSO6: Propose ethical considerations for making business decisions.	✓		✓		✓	✓	