

PG PROGRAMMES :REGULATION R20

POs of MBA

PO1: Business Environment and Domain Knowledge(BEDK): Economic, legal and social environment of Indian business. Graduates are able to improve their awareness and knowledge about functioning of local and global business environment and society. This helps in recognizing the functioning of businesses, identifying potential business opportunities, evolution of business enterprises and exploring the entrepreneurial opportunities.

PO2: Critical thinking, Business Analysis, Problem Solving and Innovative Solutions (CBPI): Competencies in quantitative and qualitative techniques. Graduates are expected to develop skills on analyzing the business data, application of relevant analysis, and problem solving in other functional areas such as marketing, business strategy and human resources.

PO3: Global Exposure and Cross-Cultural Understanding (GECCU): Demonstrate a global outlook with the ability to identify aspects of the global business and Cross Cultural Understanding.

PO4: Social Responsiveness and Ethics (SRE): Developing responsiveness to contextual social issues/ problems and exploring solutions, understanding business ethics and resolving ethical dilemmas. Graduates are expected to identify the contemporary social problems, exploring the opportunities for social entrepreneurship, designing business solutions and demonstrate ethical standards in organizational decision making. Demonstrate awareness of ethical issues and can distinguish ethical and unethical behaviors.

PO5: Effective Communication (EC): Usage of various forms of business communication, supported by effective use of appropriate technology, logical reasoning, articulation of ideas. Graduates are expected to develop effective oral and written communication especially in business applications, with the use of appropriate technology (business presentations, digital communication, social network platforms and so on).

PO6: Leadership and Teamwork (LT): Understanding leadership roles at various levels of the organization and leading teams. Graduates are expected to collaborate and lead teams across organizational boundaries and demonstrate leadership qualities, maximize the usage of diverse skills of team members in the related context.

PO7: Knowledge Application (KA): Acquire knowledge in different functional areas of management such as finance, marketing, human resource and operations and apply quantitative techniques such as operations research, statistical methods, financial models, econometrics for making informed business decisions in organizations.

MCOM POs:

PO1: Business Environment and Domain Knowledge (BEDK): Economic, legal and social environment of Indian business. Graduates are able to improve their awareness and knowledge about functioning of local and global business environment and society. This helps in recognizing the functioning of businesses, identifying potential business opportunities, evolution of business enterprises and exploring the entrepreneurial opportunities.

PO2: Critical thinking, Business Analysis, Problem Solving and Innovative Solutions (CBPI): Competencies in quantitative and qualitative techniques. Graduates are expected to develop skills on analyzing the business data, application of relevant analysis, and problem solving in other functional areas such as marketing, business strategy and human resources.

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PO7: Knowledge Application (KA): Acquire knowledge in different areas of management such as finance, marketing, accounting, human resource and operations and apply quantitative techniques such as operations research, statistical methods, financial models, econometrics for making informed business decisions in organizations.

PROGRAMME OUTCOMES (POs) : M.Sc. Physics

On successful completion of the M.Sc Physics programme the student will be able to:

PO1	Understand of the basic concepts of physics systematically
PO2	Apply physical principles and concepts to solve wide range of practical problems.
PO3	Plan and execute physics related investigations to analyze and evaluate the information using suitable methods.
PO4	Able to execute theoretical and experimental project work
PO5	Excel in research related to Physics and Material Characterization
PO6	Develop the ability to work independently and also in a group
PO7	Engage in lifelong learning and adapt to changing professional and societal needs

Program outcomes for M.Sc.(Computer Science) Programme

PO1. Technical Expertise and Knowledge in Multiple Domains: Ability to develop an understanding of modern computing concepts and architectures from a design and performance perspective of various domains.

PO2. Assessment from System Level Perspective: Able to analyse and appreciate the structure of computer systems and the processes involved in their construction at various levels of detail and abstraction.

PO3. Critical Thinking, Business Analytics & Problem Solving and Innovation: An ability to apply knowledge of mathematics and computer science practices to build Innovative Public & Private Sector Applications involving complex computing problem solving and in research.

PO4. Professional Ethics & Social Responsibility: Ability to apply and commit to professional ethics following cyber regulations in a global economic environment. Create and design innovative applications to solve complex problems using established practices for the betterment of the society.

PO5. Apposite to Industry: Gain exposure to multiple programming languages, tools, paradigms, and technologies as well as the fundamental underlying principles throughout their education there by making them the right choice for industry positions.

PO6. Effective Communication & Leadership: Ability to communicate effectively and present technical & project management information using audio visual tools as well as in oral and written reports. Rise up to the need and be able to lead teams of individuals.

PO7. Life-long Learning and Research: Understand the importance of, and possess pre-requisite skill set to undertake life-long independent learning and research in the context of contemporary technological advancements.

MCA -PROGRAM OUTCOMES

PO1. Technical Expertise and Knowledge in Multiple Domains: Ability to develop an understanding of modern computing concepts and architectures from a design and performance perspective of various domains.

PO2. Assessment from System level perspective: Able to analyze and appreciate the structure of computer systems and the processes involved in their construction at various levels of detail and abstraction.

PO3. Critical Thinking, Business Analytics & Problem Solving and Innovation: An ability to apply knowledge of mathematics and computer science practices to build Innovative Public & Private Sector Applications involving complex computing problem solving and in research.

PO4. Professional Ethics & Social Responsibility: Ability to apply and commit to professional ethics following cyber regulations in a global economic environment. Create and design innovative applications to solve complex problems using established practices for the betterment of the society.

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PO6. Effective Communication & Leadership: Ability to communicate effectively and present technical & project management information using audio visual tools as well as in oral and written reports. Rise up to the need and be able to lead teams of individuals.

PO7. Life-long Learning: Understand the importance of, and possess pre-requisite skill set to undertake life-long independent learning in the context of contemporary technological advancements

Master of Computational Data Science)

Program Outcomes (Applicable from the academic year 2022-2023 onwards)

PO1. Technical Expertise and Apply Knowledge in Multiple Domains: Ability to understand and apply modern computing concepts and architectures from a design and performance perspective of various domains.

PO2. Critical Thinking, Business Analytics & Problem Solving and Innovation: An ability to apply knowledge of mathematics and computer science practices to build Innovative Public & Private Sector Applications involving complex computing problem solving and in research.

PO3. Professional Ethics & Social Responsibility: Ability to apply and commit to professional ethics following cyber regulations in a global economic environment. Create and design innovative applications to solve complex problems using established practices for the betterment of the society.

PO4. Global Exposure and Cross-Cultural Understanding: Able to identify and operate aspects of global market at a professional level in inter cultural and international contexts.

PO5. Effective Communication: Ability to communicate effectively and present technical & project management information using audio visual tools as well as in oral and written reports.

PO6. Leadership & Teamwork: Rise up to the need and be able to lead teams of individuals. Ability to collaborate and lead teams acquiring leadership qualities and utilize the skills of team members in the relevant field.

PO7. Life-long Learning: Understand the importance of and possess pre-requisite skill set to undertake life-long independent learning in the context of contemporary technological advancements.

**M.Sc. Mathematics
PROGRAM OUTCOMES**

At the end of the program, the student will be able

PO1: Critical thinking

To develop specific skills in independently comprehending, analyzing, modeling, and solving given problems at a high level of abstraction based on logical and structured reasoning.

PO2: Effective communication

To develop oral and written communication skills which allow students to present information effectively and able to communicate complex ideas

PO3: Social interaction

To investigate, formulate and solve the Mathematical problems related to science, technology, business, industry and society.

PO4: Effective citizenship

To develop the skills of decision making with the practice of mathematics by understanding the problems clearly and synthesizing the given information.

PO5: Ethics

To instill in our students an understanding of their professional and ethical responsibilities so that the student displays high standard of professional behavior both independently and as a team member through the use of ethical practices.

PO6: Environment and Sustainability

To construct, modify and analyze mathematical models of systems encountered in disciplines such as physics, economics or biology, assess the models' accuracy and usefulness, and draw contextual conclusions from them leading to environmental sustainability.

PO7: Self directed and lifelong learning

To do research and continue to acquire Mathematical knowledge and skills appropriate to professional activities.

M.A. (ENGLISH)

Programme Outcomes(POs)

PO1. Critical thinking: The students will demonstrate critical and analytical skills in the interpretation and evaluation of literary texts and develop a passion for literature and language. An understanding of criticism from Sidney to the twentieth century enables the students to demonstrate an appropriate level of expertise in literary theory and criticism. A broad and deep knowledge of British Literature, American Literature, New Literature, English Language Teaching, Indian Writing in English and Translation Studies enable the students to appreciate literature.

PO2. Effective Communication: A thorough knowledge of the English Language: Origin, foreign influences on the language and phonetic transcription enables the students to understand the developments in language. The students will develop reading, technical writing, listening and effective speaking skills. The students will be able to understand the methods and approaches in Teaching English Language.

PO3. Social Interaction: An exposure to various genres of literature and the writers' creativity in the use of language enables the students to understand the society and communicate well with the people. Group discussions make the student sensitive on the social well being and they contribute their might.

PO4. Effective Citizenship: The students will develop presentation skills, interview skills, and life skills. The students with good communication skills render their voluntary services to the nation and show their social concern towards the society.

PO5. Ethics: As the students will be exposed to various literary texts with cultural and historical backgrounds they are sensitised to moral responsibilities and decision making.

PO6. Environment and Sustainability: By reading literary text related to nature and environment the students will become environment conscious and protect nature.

PO7. Self-directed and Life-long learning: The students will be equipped with historical, literary, social and cultural dimensions of English Studies. This knowledge helps them to be self motivated and drives them to be a continuous learner. They also learn how to design and carry out original and persuasive research in English Language and Literature.

M.Sc. (Chemistry)
Programme Outcomes(POs)

At the end of the program, the student will be able

PO1: Critical Thinking:

Demonstrate sound knowledge, think critically and analyze problems relating to Inorganic, Organic, Physical and Analytical Chemistry.

PO2: Effective Communication:

Understand the need for scientific communication in both written and oral forms and as well as the role of software in solving problems of chemistry and use modern library tools to locate and retrieve scientific information about a topic or technique relating to chemistry. This will enable the student to opt for teaching job, if he / she desires.

PO3: Social Interaction:

Function individually and as a member or leader in team with the fundamental and advanced knowledge gained in the field of chemistry and other allied fields.

PO4: Effective Citizenship:

Apply conceptual knowledge gained in the field of chemistry to assess social, health, safety, legal and cultural issues and the relevant consequences of it.

PO5: Ethics:

To record and analyze the experimental results by maintaining professional ethics, responsibilities and norms of the scientific practices.

PO6: Environment and sustainability:

Understand the issues of environmental pollution and sustainable development.

PO7: Self directed & lifelong learning:

Engage in independent and lifelong learning of the concepts relating to chemistry in broadest context of socio-technological changes.