

## DEPARTMENT OF SCIENCE

### Under Graduate Programme: B Sc JPCs (Journalism, Psychology, Computer Science)

#### Program Educational Objectives (PEO's)

- PEO1 : Develop a strong foundation in scientific principle, analytical reasoning and research aptitude.
- PEO2: Apply scientific knowledge and problem-solving skills to address real-world challenges with innovation and sustainability.
- PEO3: Cultivate ethical responsibility, environmental consciousness, and lifelong learning for professional and societal growth.

#### Programme Outcome (POs)

B Sc Programme will enable the graduate with

- **PO1 : Disciplinary Knowledge** - Equip students with the ability to understand and apply concepts to everyday situations and complex real-world problems, enhancing both practical and analytical skills.
- **PO2: Communication & Higher order thinking skills** - Promote the ability to communicate scientific ideas clearly and confidently, both within the scientific community and to the wider society, through discussions, presentations, reports, and technical documentation cultivating higher order thinking skills.
- **PO3: Experiential Learning** - Provides hands-on experience to achieve integration of classroom - based learning through labs and encourage the use of modern tools for solving complex problems with an understanding of the limitations.
- **PO4: Multi-disciplinary** - Function effectively, as an individual, as a member or leader in diverse teams in multi-disciplinary fields.
- **PO5: Societal consciousness** - Foster an eco-conscious mindset aligned with the SDG goals of Environment and Sustainability, while nurturing moral, ethical awareness and reasoning.

#### Programme Specific Outcomes (PSOs)

At the end of the programme the graduate will be able to

- **PSO1: Interdisciplinary Integration** - Integrate concepts from Psychology, Journalism, and Computer Science to analyze human behaviour, communicate information effectively, craft impactful narratives, and apply ethical communication strategies that respond to both individual and societal needs.
- **PSO2: Research Culture** - Inculcate research zeal.

## DEPARTMENT OF SCIENCE

### Under Graduate Programme: B Sc PMCs (Physics, Mathematics, Computer Science)

#### Program Educational Objectives (PEO's)

- PEO1 : Develop a strong foundation in scientific principle, analytical reasoning and research aptitude.
- PEO2: Apply scientific knowledge and problem-solving skills to address real-world challenges with innovation and sustainability.
- PEO3: Cultivate ethical responsibility, environmental consciousness, and lifelong learning for professional and societal growth.

#### Programme Outcome (POs)

B Sc Programme will enable the graduate with

- **PO1 : Disciplinary Knowledge** - Equip students with the ability to understand and apply concepts to everyday situations and complex real-world problems, enhancing both practical and analytical skills.
- **PO2: Communication & Higher order thinking skills** - Promotes the ability to communicate scientific ideas clearly and confidently, both within the scientific community and to the wider society, through discussions, presentations, reports, and technical documentation cultivating higher order thinking skills.
- **PO3: Experiential Learning** - Provides hands-on experience to achieve integration of classroom - based learning through labs and encourage the use of modern tools for solving complex problems with an understanding of the limitations.
- **PO4: Multi-disciplinary** - Function effectively, as an individual, as a member or leader in diverse teams in multi-disciplinary fields.
- **PO5: Societal consciousness** - Foster an eco-conscious mindset aligned with the SDG goals of Environment and Sustainability, while nurturing moral, ethical awareness and reasoning.

#### Programme Specific Outcomes (PSOs)

At the end of the programme the graduate will be able to

- **PSO1: Interdisciplinary Integration** - Apply computational techniques and mathematical principles to demonstrate an integrated understanding of Computer Science, Mathematics, and Physics for predicting and interpreting scientific phenomena.

## DEPARTMENT OF SCIENCE

### Post Graduate Programme: M Sc Psychology

#### Program Educational Objectives (PEO's)

- PEO1: Apply research and scientific methods to study human behaviour.
- PEO2: Apply psychological principles ethically in clinical, educational, organizational, and community settings.
- PEO3: Foster self-awareness, empathy, critical thinking and innovation to enhance individual and societal well-being.

#### Programme Outcome (POs)

##### M.Sc. Programme will enable the postgraduate with

- **PO1: Disciplinary Knowledge** - Acquire the subject knowledge of Psychology in understanding human behaviour and apply appropriate therapeutic approaches for the treatment and management of mental health conditions.
- **PO2: Assessment & Diagnosis** - Enable students to assess the psychological profile of individuals by applying psychometric assessment tools and equip students to administer psychological tools to diagnose mental health conditions.
- **PO3: Experiential Learning** - Develop the ability in applying psychological principles, theories and approaches to real life situations.
- **PO4: Research & Innovation** - Inculcate research zeal through various psychological concepts and tools and contribution to the society.
- **PO5: Professional ethics** - Apply ethical principles and norms for professional and scientific practices

#### Programme Specific Outcomes (PSOs)

##### At the end of the programme the graduate will be able to

- **PSO1: Integration of theory and therapy:** Apply theoretical and therapeutic frameworks of Psychology to domains of human behavior.
- **PSO2: Professional Ethics:** Demonstrate professional ethics and the potential for independent research for human and societal development.
- **PSO3: Integration of Theory and Practice:** Facilitate the integration of theoretical knowledge with practical skills through hands-on training and experiential learning opportunities.
- **PSO4: Professional readiness:** Ability to assess, diagnose, and treat a variety of problems to a broad range of clients. Utilize psychological principles to generate solutions to personal, social issues.