

## **Programme Educational Objectives (PEOs)**

### **Programme Name: B.TECH. IN COMPUTER SCIENCE & ENGINEERING**

#### **PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO 1:** To provide core theoretical and practical knowledge in the domain of Computer Science & Engineering for leading successful career in industries, pursuing higher studies or entrepreneurial endeavours.

**PEO 2:** To develop the ability to critically think, analyze and make decisions for offering technologically feasible and socially acceptable solutions to real life problems in the areas of computing.

**PEO 3:** To imbibe lifelong learning, professional and ethical attitude for embracing global challenges and make positive impact on environment and society.

### **Programme Name: B.TECH. IN INFORMATION TECHNOLOGY**

#### **PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO 1:** To impart core theoretical and practical knowledge of Computer Science & Engineering and emerging Information Technologies for leading successful career in industries, pursuing higher studies or entrepreneurial endeavours.

**PEO 2:** To develop the ability to critically think, analyze, design and develop IT based solutions.

**PEO 3:** To imbibe the life-long learning and understanding of ethical values, their duties toward environmental issues and sensitize them toward their social responsibility as IT professional.

### **Programme Name: B.TECH. IN BIOTECHNOLOGY**

#### **PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO 1:** To provide fundamental and practical knowledge in the field of Biotechnology for pursuing research career in industry and academia.

**PEO 2:** To impart analytical and research skills and nurture entrepreneurial endeavours.

**PEO 3:** To develop biotechnologists with professional ethics to address global and societal issues for sustainable development.

### **Programme Name: B.TECH. IN ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO1:** To provide strong foundation in Electronics and Communication Engineering to pursue professional career, entrepreneurship and higher studies.

**PEO2:** To evolve capability to analyze, design and develop feasible solutions to real world problems.

**PEO3:** To inculcate professional ethics, managerial and communication skills to develop ingenious solutions for the benefit of society and environment.

**Programme Name: MASTER OF BUSINESS ADMINISTRATION**

**PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO 1:** To impart extensive knowledge of management theories, concepts and models to solve business problems and create new opportunities for successful professionals.

**PEO 2:** To inculcate self-awareness, discipline and team-work, leadership, effective communication skills and research orientation.

**PEO 3:** To sensitize students about social issues and develop them as socially conscious managers and leaders.

**PEO 4:** To infuse a spirit of innovation and entrepreneurship for personal and societal well-being.

**Programme Name: M.TECH. IN COMPUTER SCIENCE & ENGINEERING AND M.TECH IN COMPUTER SCIENCE & ENGINEERING (SPECIALISATION IN DA)**

**PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO 1:** To prepare professionals who will have successful career in industries, academia, research and entrepreneurial endeavours.

**PEO 2:** To prepare graduates who will demonstrate analytical, research, design and implementation skills offering techno-commercially feasible and socially acceptable solutions to real life problems.

**PEO 3:** To prepare graduates who will thrive to pursue life-long learning and contribute to society as an ethical and responsible citizen.

**Programme Name: M.TECH. IN BIOTECHNOLOGY**

**PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO 1:** To impart advanced theoretical and practical knowledge in Biotechnology and allied fields.

**PEO2:** To provide domain knowledge and expertise for successful career in academics, research and industry.

**PEO3:** To develop ethically and socially responsible professionals with leadership and entrepreneurship skills.

**Programme Name: M.TECH. IN ELECTRONICS AND COMMUNICATION ENGINEERING (SPECIALIZATION IN COMMUNICATION SYSTEMS) AND M.TECH. IN ELECTRONICS AND COMMUNICATION ENGINEERING (SPECIALIZATION IN MICRO ELECTRONICS SYSTEMS & EMBEDDED TECHNOLOGY)**

**PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO1:** To provide profound knowledge of modern design tools to solve real-life problems in the field of Electronics and Communication Engineering.

**PEO2:** To inculcate research skills with ethical attributes for academia and industry.

**PEO3:** To develop entrepreneurial skills as per industry requirements for providing sustainable solutions to the society

**Programme Name: M.Sc. IN PHYSICS**

**PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO 1:** To impart advanced theoretical and practical knowledge in the areas of physics

**PEO 2:** To provide training and expertise to achieve career goals in academics, research and related industry

**Programme Name: M.Sc. IN MATHEMATICS**

**PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO 1:** To impart advanced theoretical and computational knowledge in the areas of mathematics

**PEO 2:** To provide training and expertise to achieve career goals in academics, research and related industry

**Programme Name: M.Sc. IN MICROBIOLOGY**

**PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO 1:** To impart advanced theoretical and practical knowledge in Microbiology and allied fields of Biotechnology

**PEO2:** To enhance knowledge and expertise for a successful career in academics, research and industry.

**PEO3:** To develop professionals with social, environmental and ethical awareness.

**Programme Name: M.Sc. IN ENVIRONMENTAL BIOTECHNOLOGY**

**PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO 1:** To impart advanced theoretical and practical knowledge in Environmental Biotechnology and allied fields.

**PEO2:** To enhance knowledge and expertise for a successful career in academics, research and industry.

**PEO3:** To develop professionals with social, environmental and ethical awareness.

**Programme Name: BBA**

**PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO1** Provide knowledge of management concepts and theories to pursue professional career and or take up higher education.

**PEO2** Enhance self awareness, team work, technological, communication and research skills.

**PEO3** Apply tools and techniques for making informed decisions.

**PEO4** Sensitise students about the social, ethical and environmental issues of business.

**PEO5** Equip the students with skills to adapt to change and develop an orientation towards lifelong learning.

**Programme Name: B.Sc. IN COMPUTER SCIENCE/ INFORMATION TECHNOLOGY AND APPLICATIONS/ COMPUTING AND PROGRAMMING**

**PROGRAMME EDUCATIONAL OBJECTIVES:**

**PEO1** To provide theoretical and practical knowledge in the domains of Computer Science, Information Technology and Scientific Computing for leading successful career in industries, entrepreneurial endeavours or pursuing higher studies.

**PEO2** To develop the ability to critically think, analyse and make decisions for offering commercially feasible and socially acceptable solutions to real life problems in the areas of Computer Science, Information Technology and Scientific Computing.