SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR
(Autonomous from AY 2024-2025)

PROGRAM SPECIFIC OUTCOMES (PSOs)

The Program specific outcomes (PSOs) of each department are follows

Table 2.6.1 Program specific outcomes (PSOs)

Departments	PSOs
Mechanical Engineering	**PSO1.** Apply principles of engineering, basic science, and mathematics to model, analyze and design mechanical systems, components and processes. **PSO2.** Have proficiency in materials and manufacturing processes to design, analyze and develop products that meet specific requirements. **PSO3.** Work professionally in thermal, manufacturing and other mechanical systems.
Computer Science & Engineering	**PSO1**. Apply standard practices in software project development using the open source environment to deliver a quality product. **PSO2.** Develop computer-based systems of varying complexity using latest technological developments in inter-disciplinary domain.
Civil Engineering	**PSO1**. Design ,develop and maintain sustainable solutions for problems in Civil Engineering using state of the art technologies and in conformity with ethical standards. **PSO2.** Explore newer trends and employment opportunities in Civil Engineering through methodical exposure to industry and experts.
Electrical & Electronics Engineering	**PSO1**. Design electrical systems in conformity with industrial practices. **PSO2.** Use modern hardware and software platforms to design, analyze and implement electrical and electronic systems.
Electronics & Communication Engineering	**PSO1**. Apply modern design tools for effective product development. **PSO2**. Develop solutions for environmental, health, safety and legal issues.
Biotechnology & Biochemical Engineering	**PSO1.** Design and develop solutions to environmental and biochemical industrial Problems. **PSO2.** Inculcate entrepreneurial skills to explore the possibilities in Biotechnology with social outlook.
Food Technology	**PSO1**. Develop and deliver novel designs/processes/products that could cater to the food technology industrial demands to improve the social ecosystems. **PSO1**. Carryout research of appreciable significance and produce quality publication.

Criterion 2

2.6 Student Performance and learning outcomes

Artificial Intelligence & Machine Learning	**PSO1**: Graduates of the program will leverage computational knowledge and algorithmic principles in Artificial Intelligence and Machine Learning to develop innovative AI-based applications that will provide optimal solutions to complex computational challenges. **PSO2**: Graduates will uphold ethical standards in Artificial Intelligence and Machine Learning, while applying scientific techniques to integrate intelligent systems.

Criterion 2

2.6 Student Performance and learning outcomes