



BANGALORE TECHNOLOGICAL INSTITUTE

(An ISO 9001:2015 Certified Institute)

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Department of Robotics and Artificial Intelligence

Program Educational Objectives (PEOs)

Graduates will possess a strong foundation in the principles and practices of robotics and artificial intelligence, enabling them to develop innovative solutions for complex engineering problems.

Graduates will be prepared for successful careers in industry, academia or research, contributing effectively as engineers, researchers, or entrepreneurs in the fields of robotics and AI.

Graduates will engage in continuous learning through professional development, advanced studies or certifications to keep pace with evolving technologies and methodologies.

Graduates will be aware of the broader impacts of robotics and AI on society, including ethical considerations, safety and the potential implications for employment and quality of life.

Program Specific Outcomes (PSOs)

Graduates should be able to create networking and embedded software solutions using data communication, sensors, robotics, virtual reality and Internet of Things.

Graduates should be able to create software systems using expertise in data structures, algorithm analysis, web design, machine learning, and image processing techniques.

Graduates should be able to create, select and apply the theoretical knowledge of robotics and AI along with practical industrial tools and techniques to manage and solve wicked societal problems