



**UNIVERSITY OF
DR.PSJKUMAR**



**M.S/M.TECH
ROBOTICS AND AUTOMATION**

CURRICULUM 2023-24

SCHOOL OF SCIENCE AND TECHNOLOGY

ABOUT US

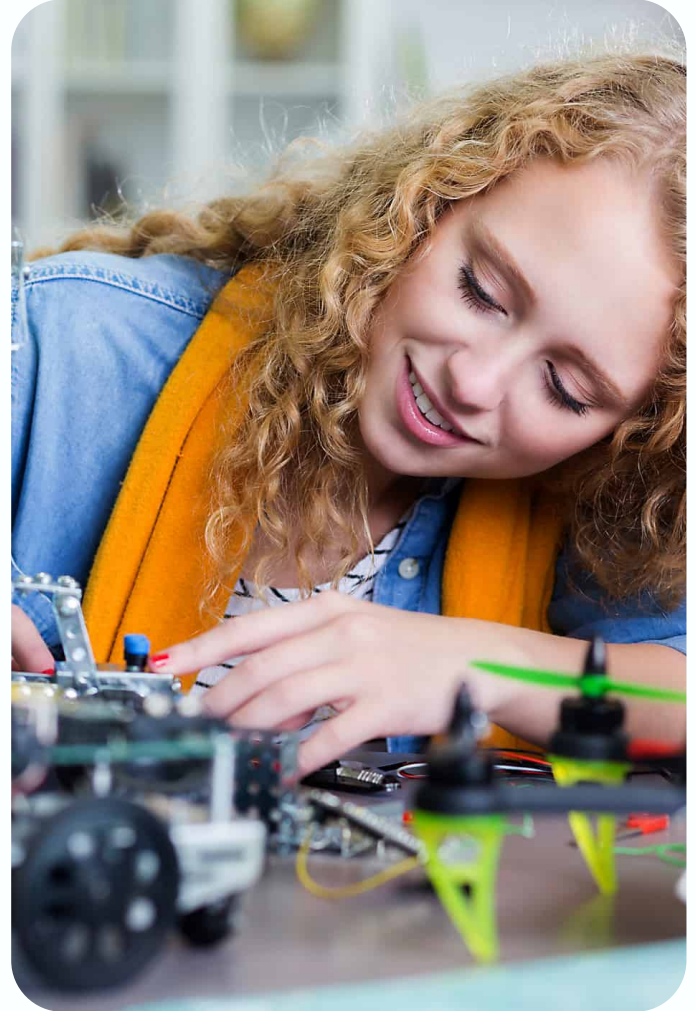
University of Dr.PSJKumar School of Science and Technology has various programs for diplomas, degrees, masters, and doctorates.

Dr.PSJKumar University's School of Science and Technology offers massive exposure to its students in the field of engineering, setting a new standard in education, creating a major hub for science and technology. The University has several departments scattered all throughout Florida, United States and Salem, Tamil Nadu, India.

The University is especially popular among International students. The University has franchises around the globe including Queensland, India, Canada, Malaysia, and London.

DEGREE OF MASTER OF SCIENCE/ TECHNOLOGY (ROBOTICS & AUTOMATION)

The completion of the degree of master of science/technology in robotics and automation (M.S/ M.Tech in robotics and automation) is accomplished in two years.



TWO YEARS REGULAR CURRICULUM

COLLEGE OF ENGINEERING

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University of Dr.PSJKumar

FIRST YEAR

The two year curriculum is based on departmental teaching as well as departmental research. The first year offer the students an opportunity to develop a strong background in robotics programming and to receive an introduction to intelligent robotics. Every academic year consists of two semesters.

SEMESTER I

Applied Mathematics for Engineers
Advanced Solid Mechanics
Introduction to Robotics
Elective I
Vision and Image Processing
Artificial Intelligence in Automation
Robotics Programming Laboratory

SEMESTER II

Robotics for Industrial Automation
Robot Vision
Machine Learning & Data Analytics
Elective II
Kinematics and Dynamics of Robots
Robotic Sensors
Intelligent Robotics Laboratory



SEMESTER I ROBOTICS PROGRAMMING

SEMESTER II INTELLIGENT ROBOTICS

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SECOND YEAR

The second year offer the students an opportunity to develop a strong background in robotic simulation and to receive an introduction to virtual instrumentation.

SEMESTER III

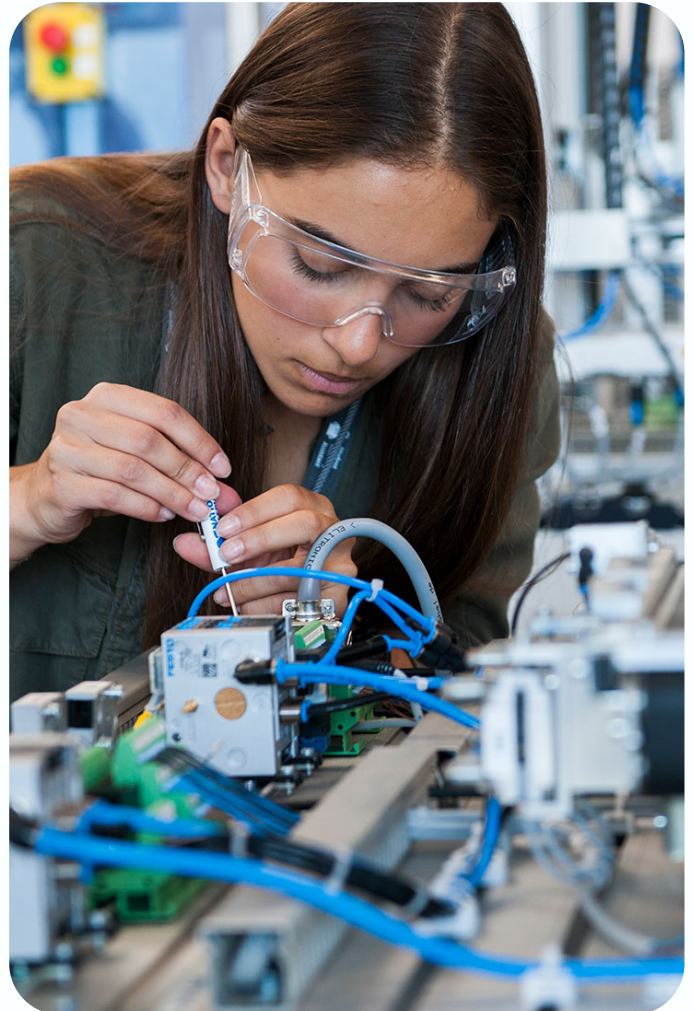
Robotic Simulation
Virtual Instrumentation
Elective III
Real Time Embedded Systems
Human Robot Interaction
Robotics Research Laboratory

SEMESTER IV

Dissertation and Viva

DEPARTMENT OF ROBOTICS

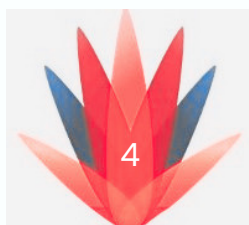
The department of robotics, college of engineering, school of science and technology, University of Dr.PSJKumar is among the top robotic schools in United States and India. Robotics is a branch of mechanical, electrical and computer science engineering.



SEMESTER III ROBOTIC SIMULATION

SEMESTER IV DISSERTATION

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SCHOOL OF SCIENCE AND TECHNOLOGY

The faculty of applied science and engineering, the school of science and technology, the department of robotics, University of Dr.PSJKumar thrives a lot in achieving quality education and research.

FOR ADMISSION CONTACT

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University of Dr.PSJKumar
also offers M.S/M.Tech in;

Medical Robotics
Data Science and Engineering
Computer Networks
Artificial Intelligence and ML
Big Data and Cloud Computing
Doctor of Philosophy (PhD)



FACULTY OF APPLIED SCIENCE AND ENGINEERING

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University of Dr.PSJKumar

