



UNIVERSITY OF DR.PSJ KUMAR



**M.S/M.TECH
MEDICAL ROBOTICS**

CURRICULUM 2023-24

SCHOOL OF SCIENCE AND TECHNOLOGY

ABOUT US

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

Dr.PSJ Kumar 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 (MEDICAL ROBOTICS)

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



**TWO YEARS
REGULAR CURRICULUM**

**COLLEGE OF
ENGINEERING**

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University of Dr.PSJ Kumar

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 medical imaging and to receive an introduction to medical robotics. Every academic year consists of two semesters.

SEMESTER I

Introduction to Medical Robotics
Kinematics of Medical Robots
Machine Learning in Medical Imaging
Elective I
Introduction to Surgical Robotics
Artificial Intelligence for Surgery
Medical Imaging Laboratory

SEMESTER II

Medical Robotics and Devices
Surgical Data Science
Robot Vision and Navigation
Elective II
Robot Mechanics and Control
Sensors for Medical Applications
Medical Robotics Laboratory



SEMESTER I MEDICAL IMAGING

SEMESTER II MEDICAL ROBOTICS

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SECOND YEAR

The second year offer the students an opportunity to develop a strong background in intelligent robotics and to receive an introduction to robotics in rehabilitation.

SEMESTER III

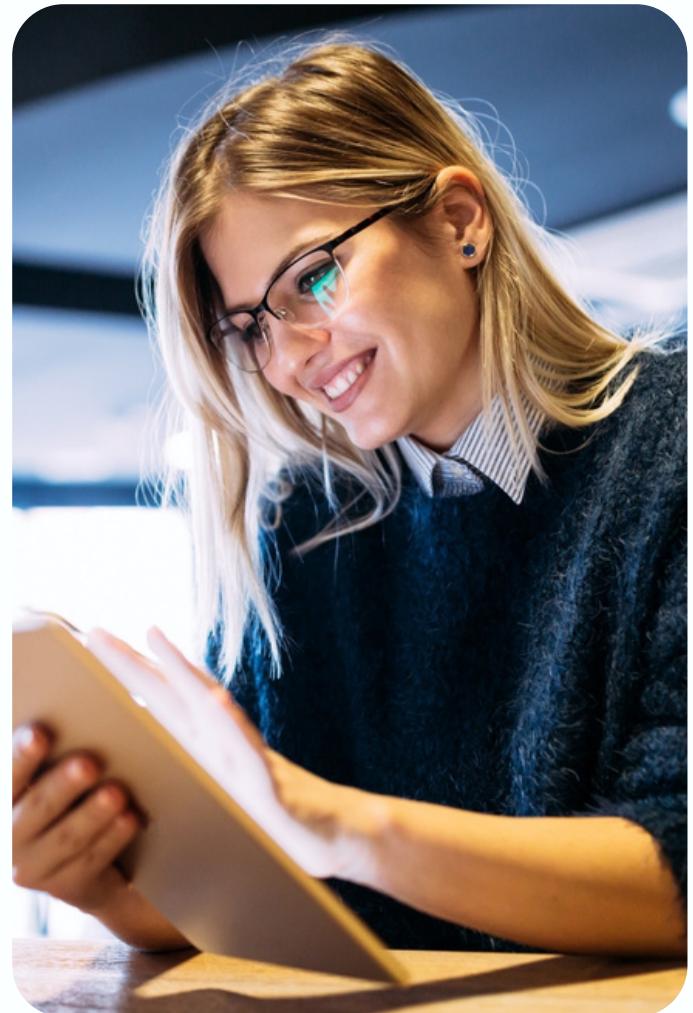
Intelligent Medical Robotics
Robotics in Rehabilitation
Elective III
Deep Learning for Medical Robotics
Autonomous Robot Systems
Robotics Research Lab

SEMESTER IV

Dissertation and Viva

DEPARTMENT OF ROBOTICS

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



SEMESTER III INTELLIGENT ROBOTICS

SEMESTER IV

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University of Dr.PSJ Kumar

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.PSJ Kumar thrives a lot in achieving quality education and research.

FOR ADMISSION CONTACT

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University of Dr.PSJ Kumar also offers M.S/M.Tech/Ph.D in;

Industrial Robotics
Aerial Robotics
Nano Robotics
Mobile Robotics
Soft Robotics
Humanoid Robotics



FACULTY OF APPLIED SCIENCE AND ENGINEERING

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