



**UNIVERSITY OF
DR.PSJKUMAR**



**B.S/B.TECH
ELECTRICAL AND COMPUTER ENGG**

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 and technology, enriching their skills as well as helping them to take visit several industries and MNC's. The University has several departments scattered all throughout Jacksonville, Florida, United States.

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

B.S / B.TECH - ELECTRICAL AND COMPUTER ENGINEERING

The completion of the degree of bachelor of science/technology in electrical and computer engineering is accomplished in four years plus six months internship.



FOUR YEARS

REGULAR CURRICULUM

SIX MONTHS

INTERNSHIP



University of Dr.PSJKumar

FIRST YEAR

The four year curriculum is based on the departmental as well as interdisciplinary teaching. The first year offer the students an opportunity to develop a strong background in basic sciences and to receive an introduction to electronic devices. Every academic year consists of two semesters.

SEMESTER I

- Technical English
- Engineering Mathematics I
- Engineering Chemistry I
- Engineering Physics I
- Engineering Graphics
- Computer Programming
- Computer Practices Laboratory

SEMESTER II

- Engineering Mathematics II
- Engineering Chemistry II
- Engineering Physics II
- Basics of Electrical & Electronic Engg.
- Design and Analysis of Algorithms
- Electronic Device and Circuit
- Circuit and Device Laboratory



SEMESTER I

BASIC SCIENCES

SEMESTER II

ELECTRONIC DEVICES



SECOND YEAR

The second year offer the students an opportunity to develop a strong background in computer organization and to receive an introduction to electrical circuits.

SEMESTER III

Discrete Mathematics
Fundamentals of Digital Logic
Electromagnetic Theory
Elective I
Computer Organization
Microprocessor and Microcontroller
Microprocessor Lab

SEMESTER IV

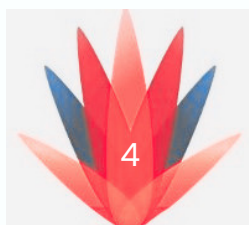
Differential Equations
Electrical Circuits
Communication Theory
Elective II
Database Management Systems
Object Oriented Programming
Object Oriented Programming Lab

The course serves as a transition from basic sciences to theoretical and experiential electrical science and computer science.



SEMESTER III COMPUTER ORGANIZATION

SEMESTER IV ELECTRICAL CIRCUITS



THIRD YEAR

The third year offer the students an opportunity to develop a strong background in electrical control systems and to receive an intro to computer operating systems.

SEMESTER V

Embedded Systems
Signal and Systems
Elective III
Digital Electronics
Digital Electronics Lab
Control Systems
Control Systems Lab

SEMESTER VI

VLSI Design
Random Signals and Statistics
Elective IV
Data Structures
Data Structures Lab
Operating Systems
Operating Systems Lab

The course serves as a transition from electrical and computer science to electrical and computer engineering.



SEMESTER V **CONTROL SYSTEMS**

SEMESTER VI **OPERATING SYSTEMS**



FOURTH YEAR

The fourth year offer the students an opportunity to develop a strong background in hardware and software project management to electrical and computer projects.

SEMESTER VII

Robotics & Artificial Intelligence
Advanced Computer Technologies
Power and Energy Systems
Elective V
Elective VI
Project Management
Mini-Project

SEMESTER VIII

Project and Viva

The elective program has a two fold purpose: 1) to aid the student in an expert career choice and 2) to offer an opportunity to build strengths in related fields. By the end of fourth year, students will be efficient enough in dealing with both hardware and software of electrical and computer engineering.



SEMESTER VII PROJECT MANAGEMENT

SEMESTER VIII PROJECT



FIFTH YEAR INTERNSHIP

The fifth year internship offer the students to practice their profession under expert guidance and supervision beforehand of becoming a full-fledged electrical and computer engineer.

FOR ADMISSION CONTACT

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

Computer Science and Engineering
Robotics and Automation
Artificial Intelligence & ML
Data Science and Engineering
Big Data and Cloud Computing
Electronics & Communication Engg.



FIFTH YEAR SIX MONTHS INTERNSHIP

Temp metus eros,
tincidunt sed urna in,
fringilla metus eros
sed ncidun u.



University of Dr.PSJKumar

