



# UNIVERSITY OF DR.PSJ KUMAR



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

**CURRICULUM 2023-24**

**SCHOOL OF SCIENCE AND TECHNOLOGY**

# ABOUT US

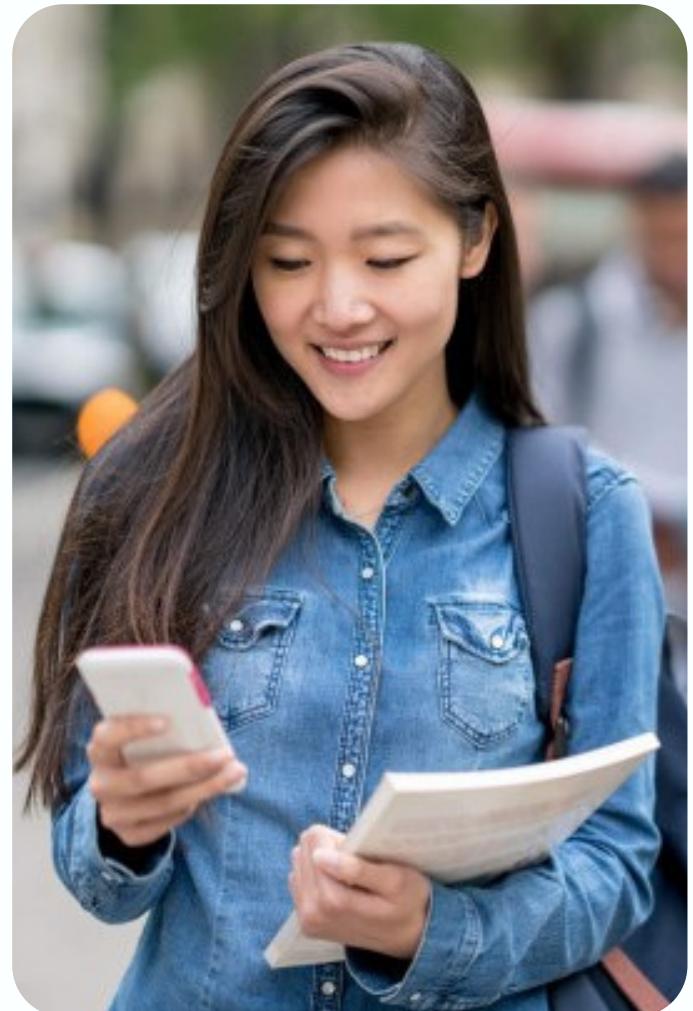
University of Dr.PSJ Kumar School of Science and Technology has various programs for diplomas, degrees, masters, and doctorates.

Dr.PSJ Kumar University's School of Science and Technology offers massive exposure to its students in the field of engineering 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**  
lorem metus eros,  
tincidunt sed urna in,  
fringilla metus eros  
sed ncidun u.



**University of Dr.PSJ Kumar**

# 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



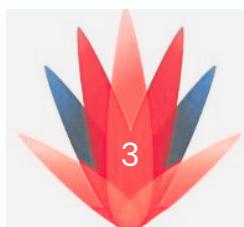
## **SEMESTER II**

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**

Proin egestas  
tincidunt sed urna in,  
fringilla metus eros  
sed ncidun u.



# 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

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



# 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

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



# 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.

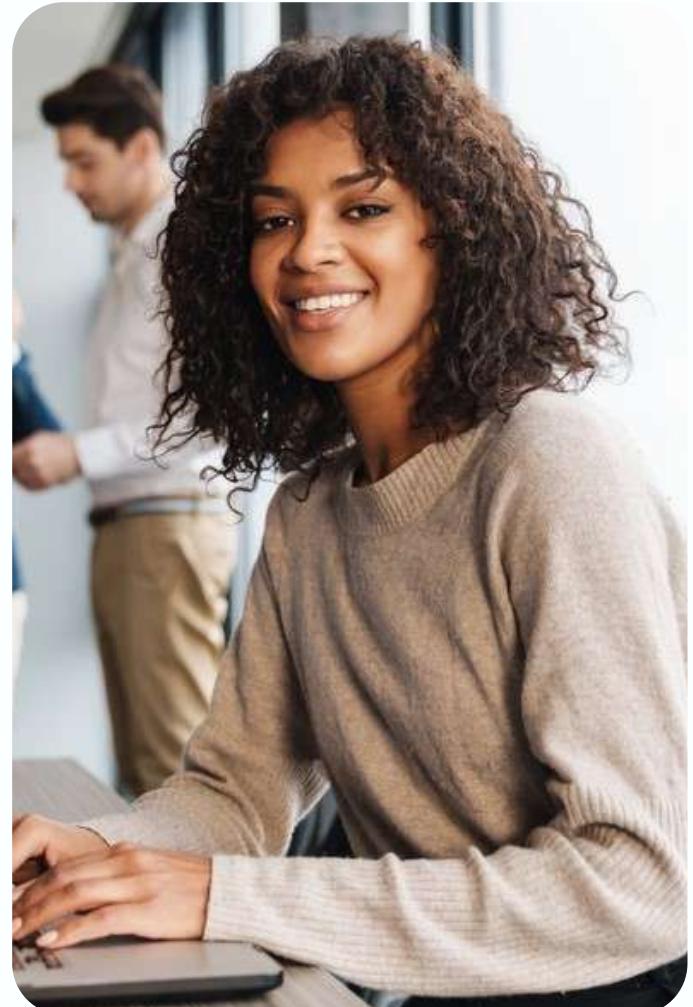
## SEMESTER VII

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

## SEMESTER VIII

Project and Viva

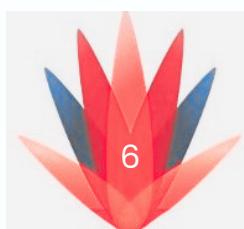
The elective program has a two fold purpose: 1) to aid the student in an expert career choice and 2) to offer an opportunity to build strengths in related fields. By the end of fourth year, students will be efficient enough in dealing with both hardware and software of electrical and computer engineering.



## SEMESTER VII PROJECT MANAGEMENT

## SEMESTER VIII PROJECT

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



# 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

**Dr.P.S.Jagadeesh Kumar  
Chancellor  
University of Dr.PSJ Kumar  
Florida | Queensland | Canada  
Malaysia | India | London**

**chancellor@drpsjkumaruniversity.net  
(+91)-9360-178-718**

University of Dr.PSJ Kumar 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

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



