



**UNIVERSITY OF
DR.PSJKUMAR**



**B.S/B.TECH
DATA SCIENCE AND ENGINEERING**

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 DATA SCIENCE AND ENGINEERING

The completion of the degree of bachelor of science/technology in data science and engineering is accomplished in four academic 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.
Functional Programming in Python
Electronic Device and Circuit
Circuit and Device Laboratory



SEMESTER I

BASIC SCIENCES

SEMESTER II

ELECTRONIC DEVICES



University of Dr.PSJKumar

SECOND YEAR

The second year offer the students an opportunity to develop a strong background in data handling and to receive an introduction to statistical data science.

SEMESTER III

Mathematics for Computer Science
Data Handling and Visualization
Computing and Data Science
Elective I
Concepts in Artificial Intelligence
Design and Analysis of Algorithms
Design & Analysis of Algorithms Lab

SEMESTER IV

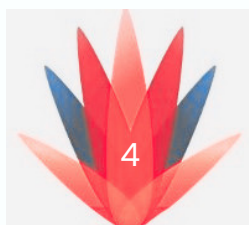
R for Data Science
Introduction to Machine Learning
Signals and Systems
Elective II
Statistical Data Science
Introduction to Java and OOPS
Introduction to Java and OOPS Labs

The course serves as a transition from basic sciences to theoretical and experiential data science and engineering.



SEMESTER III DATA HANDLING

SEMESTER IV MACHINE LEARNING



THIRD YEAR

The third year offer the students an opportunity to develop a strong background in business analytics and to receive an introduction to advanced data analytics.

SEMESTER V

Business Intelligence and Analytics
Predictive Modeling and Analytics
Elective III
Database Management Systems
Python for Data Science
Data Wrangling
Data Wrangling Lab

SEMESTER VI

Data Warehousing and Data Mining
Optimization for Data Science
Elective IV
Semantic Analysis
Modern Software Engineering
Advanced Data Analytics
Advanced Data Analytics Lab

The course serves as a transition from data science to optimization of data analysis and to advance business analysis.



SEMESTER V BUSINESS ANALYTICS

SEMESTER VI DATA ANALYTICS



FOURTH YEAR

The fourth year offer the students an opportunity to develop a strong background in big data analytics and to advance intelligent data science engineering.

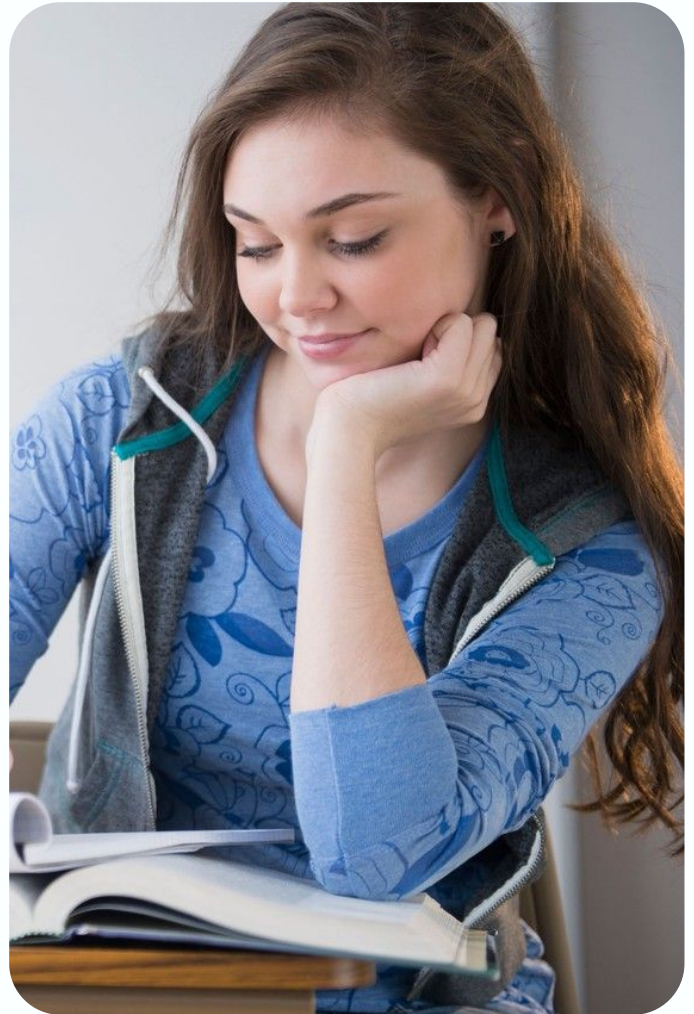
SEMESTER VII

Big Data and Analytics
Computational Neuroscience
Deep Learning
Elective V
Elective VI
Data Security and Privacy
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 developing systems and software for both data analytics and business analytics.



SEMESTER VII

BIG DATA ANALYTICS

SEMESTER VIII

PROJECT



FIFTH YEAR INTERNSHIP

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

FOR ADMISSION CONTACT

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

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

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

Computer Science and Engineering
Robotics and Automation
Artificial Intelligence and ML
Big Data and Cloud Computing
Electrical and Computer Engineering
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

