

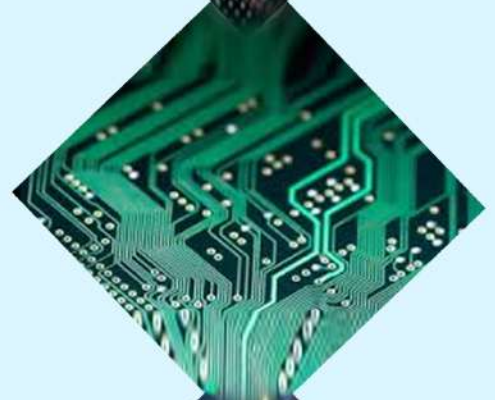


Savitribai Phule Pune University

PROSPECTUS



Build your career in cutting edge technology



ABOUT US



Savitribai Phule Pune University

Savitribai Phule Pune University (SPPU), (formerly University of Pune) established in 1949, is a premier educational hub in Pune, Maharashtra, known as the 'Oxford of the East'. It spans over 411 acres, houses 52 academic departments, has 307 research institutes & 612 affiliated colleges. It offers diverse programs in Science, Engineering, Commerce, Arts, Languages, Social Sciences and Management Studies.

Electronic Science Department

The Department of Electronic & Instrumentation Science (part of the SPPU) is working in the field of microelectronics since its inception in 1984. The department has a strong base of research in the field of semiconductor manufacturing process with major focus in device design, sensors, embedded systems, and optoelectronics. Several projects supported by UGC, CSIR, MCIT, DAE, DST, and ISRO have been carried out in this department and many are under way. The expert faculty members of this department are consultants to several projects from the industries and other institutions. This department also runs a full-fledged Masters course in Electronics.

Integrated Circuit and Information Technology

Integrated Circuit and Information Technology Pvt. Ltd. (ICIT), established in the year 2000, is an educational institute located next to the Electronic Science Department in the SPPU campus. ICIT, through an MoU with SPPU, conducts postgraduate value-added courses in association with the Electronic Science Department. Its mission statement is:

Provide cutting-edge training courses in electronics & information technology that leads to fruitful employment. Over the past two decades, ICIT has consistently placed students in distinguished national and international organizations with a placement success rate of 75%.



ADVANCE COURSE IN EMBEDDED SYSTEM DESIGN WITH AI

Course Objective

Prepare students for an in-depth comprehensive knowledge of the underlying technologies like Electronics, Computer Science, Energy Conversion & Management, Automatic Controls, Telecommunications & Networks involved in embedded systems along with Artificial Intelligence by focussing both on practical and theoretical aspects. On the practical front, focus on developing system approach through integrated projects to master specific methods and tools applied in the aeronautics, space, automobiles, and multimedia domains.

Course Structure

Duration: 7 months (990 hours) full-time

Classes: Monday to Friday (Lecture: 2 hrs, Lab work: 5 hrs).
Saturday will be available for additional lab work.

Industry standard project of 3 months duration will be an integral part of this course.

Eligibility

B.E/B.Tech (Electronics,E&TC,Instrumentation), M.Sc. (Electronics) or equivalent degree

Course Fees

Rs 97,000/-

This course fees is Non Refundable, To be Paid by Demand Draft drawn on any nationalized bank in favour of "ICIT Pvt. Ltd., Pune" and Payable at pune.

ADVANCE COURSE IN EMBEDDED SYSTEM DESIGN WITH AI

Selection Procedure

Stage I: Online objective questions test based on Basic analog and digital design, C and Assembly language, aptitude and numerical ability, logic and reasoning, current technology trends, etc.

Stage II: Technical and personal interview along with review of scholastic records to confirm admission.

Note: Candidates with valid GATE/GRE score or with industry/institute sponsorship are exempted from undergoing Stage I of the selection procedure. Such candidates should submit the application form along with a copy of the GATE/GRE score card or the sponsorship letter and directly appear for Stage II.

Course Syllabus

Module No.	Foundation Courses
FCESDAI101	C++ Programming and Data Structure Algorithm
FCESDAI102	Embedded Operating System, Linux Device Driver & RT Linux
FCESDAI103	Microcontroller programming and Interfacing
FCESDAI104	Artificial Intelligence in Embedded System Design
FCESDAI105	Model Based Development using MATLAB Simulink (Optional)
FCESDAI106	Embedded System Hardware Design & Project



ADVANCE COURSE IN DATA ANALYTICS WITH AI

Course Objective

Equip students with deep knowledge of core data science areas including statistical analysis, machine learning, data visualization and big data technologies using essential tools like Tableau and programming languages such as Python, R and SQL. Improve student's critical thinking and problem-solving ability through hands-on practical experience. Enhance their employability through career guidance, mock interviews, and resume building workshops.

Course Structure

Duration: 7 months (990 hours) full-time

Classes: Monday to Friday (Lecture: 2 hrs, Lab work: 5 hrs).
Saturday will be available for additional lab work.

Industry standard project of 3 months duration will be an integral part of this course.

Eligibility

B.E./B.Tech (any stream), B.Sc. / M.Sc. (Mathematics / Statistics), MCA, MCS, BCA, or BCS.

Course Fees

Rs 1,35,000/-

This course fees is Non Refundable, To be Paid by Demand Draft drawn on any nationalized bank in favour of "ICIT Pvt. Ltd., Pune" and Payable at pune



ADVANCE COURSE IN DATA ANALYTICS WITH AI

Selection Procedure

Stage I: CET for Course in Data Analytics With AI shall consist of Online test of Objective questions based on : Computer Fundamental Mathematics and Statistics Aptitude & Numerical Ability, Programming basics, English, GK (General Knowledge) Logic & Reasoning, Current Technological Trends etc.

Stage II: Shall consist of Technical / Personal Telephonic interview & review of scholastic records leading to confirmation of Admission.

Note : Candidates having valid "GATE/GRE Score / Industry & Institute Sponsorship" are exempted from the Stage I of entrance Test. They may send the application form along with a copy of valid GATE/GRE score card or sponsorship letter and appear directly for Stage II.

Course Syllabus

Module No:	Foundation Courses
FCDAAI101	Foundational AI and Statistical Analysis, Python and Excel Analytics
FCDAAI102	Data Management, Visualization and Analytical Modelling
FCDAAI103	Advanced Machine Learning, SQL and R Analytics
FCDAAI104	Neural Networks, Data visualization, Cloud and Generative AI
FCDAAI105	Advanced AI (NLP and Computer Vision), Cloud and Big Data Engineering
FCDAAI106	Project Work in Data Analytics and Artificial Intelligence



ADVANCE COURSE IN APPLIED COMPUTING WITH AI

Selection Procedure

Stage I: CET for Course in Applied computing With AI shall consist of online test of objective questions based on computer fundamentals, C programming basics, aptitude and numerical ability, logic, reasoning and current technological trends.

Stage II: Shall consist of Technical / Personal Telephonic interview & review of scholastic records leading to confirmation of Admission.

Note : Candidates having valid "GATE/GRE Score / Industry & Institute Sponsorship" are exempted from the Stage I of entrance Test. They may send the application form along with a copy of valid GATE/GRE score card or sponsorship letter and appear directly for Stage II.

Course Syllabus

Module No.	Foundation Courses
FCACAI101	Java Object Oriented Programming Algorithm and Data Structure
FCACAI102	Database and SQL Technologies
FCACAI103	Web Technologies with Java
FCACAI104	MS.NET & Software Development Methodologies
FCACAI105	Artificial Intelligence in Advance Computing
FCACAI106	Web Project using Java /.NET



PLACEMENT

WIPRO

Samsung

Intel

KPIT

SEDEMAC

INTECORE TECHNOLOGIES

STAR ENGINEERS

KPTronix

BROSE

HELLA INDIA AUTOMOTIVE

S.T.Microelectronics

Mythos Technologie

Tata Electric

Logicare Embedded Ststem

RD Electrocircuits

Systronics Automation

LEAR CORPORATION

Calsoft

Gulf Automation

CENTRE INDIA

Agiliad Technologies

Whirlpool Global Technology

L&T

TCS

Tech Mahindra

KNORR BREMSE TECHNOLOGY

SPA INSTRUMENTS

GIC

Semiconductor Complex Ltd

RADIX ELECTROSYSTEM

Casinos Technologies

Softdel Systems

Millman

Pragmasys

Sunshine Power Electronics

Sedemac Mechatronics

Patromix Trchnologies

Infosys

Honeywell

Engineering

MARQUARDT

Macom



LEADING ALUMNI



Dnyaneshwar Gorde,
Harman Internationals.
Senior Manager II



Amol D. Patil,
Intel India Design center
Verification Lead



Sachin S Rindhe,
MathWorks India Pvt Ltd
Principal SW Program
Manager



Ujjal Sircar,
Tata Consultancy
Services
Delivery Director



Abhay S. Chavan,
Samsung India (P) Ltd,
General Manager



Shailesh Mane,
Volansys Pvt Ltd now a
ACL digital company
Delivery Manager



Sonali .K Pachkhade,
Knorr Bremse Technology
center,India
Sr. Design Engineer.



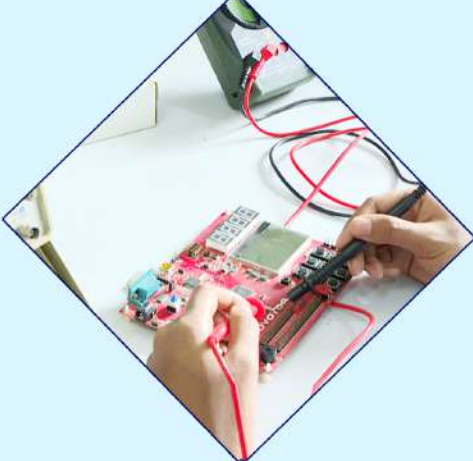
Chaitanya Kulkarni,
Fev india pvt ltd
Sr. Design Engineer



Pooja R Chavan,
KPIT
Sr. Test Engineer



Ahire Sadhana T,
Brose India Automotive
Systems
Sr. Software Engineer



Integrated Circuit and Information Technology
VLSI Design & Research Centre,
Department of Electronic Science,
Savitribai Phule Pune University
Ganeshkhind Road, Pune 411 007 (India)
Tel.: 020-25690836/25690837
Mob. No : 8669668100 / 900, 9922219219
E-mail: info@icit.org.in / icitonline@gmail.com
Website: www.icit.org.in