

## ABOUT THE UNIVERSITY

The Savitribai Phule Pune University is a state-owned university located in Pune, Maharashtra, India. It conducts undergraduate as well as graduate programs in a variety of fields such as Arts, Science, Commerce, Engineering, Architecture, Pharmacology, Medicine, Law and Business Administration. The university offers 159 majors of study under 13 faculties. The 411-acre university campus only has graduate programs (Masters and Doctorate programs) in specialized fields of science and arts and is chiefly concerned with research. There are almost 200 colleges affiliated to the university, which offer various programs (including the undergraduate programs) of the university.

The Savitribai Phule Pune University houses IUCAA (Inter University Center for Astronomy and Astrophysics) and TIFR's NCRA (National Center for Radio Astronomy) which is currently engaged in GMRT (Giant Meter wave Radio Telescope) projects, the largest of its kind in the world. The campus also has the C-DAC (Center for Development of Advanced Computing) which has indigenously developed the supercomputer PARAM-10000.

The engineering programs of the university are available in 21 affiliated engineering colleges. Admissions to these colleges are centrally administered by the Directorate of Technical Education of the Govt. of Maharashtra. The program structure is decided by representative professors of the participating colleges forming the faculty of engineering. Although courses are taught independently at the affiliated colleges, they have a common syllabus and requirements. Undergraduate programs last four years and lead to a Bachelor of Engineering (B.E.) degree. Graduate programs lead to either Master of Engineering (M.E.) or Doctor of Philosophy (Ph.D.) degrees. The University of Pune has one of the largest engineering programs with almost 30,000 undergraduate students in various branches like mechanical, civil, electrical, computer, chemical, polymer, industrial and production engineering. It is rated one of the best engineering programs in the country.

### About the college

MIT College of Engineering, Pune is a private engineering college affiliated to the Savitribai Phule Pune University and run by MAEER (Maharashtra Academy of Engineering and Educational Research). The college is recognized by the Govt. of Maharashtra and accredited by the All India Council of Technical Education (A.I.C.T.E.). MITCOE offers courses leading to Bachelor of Engineering degree from the Savitribai Phule Pune University. MITCOE has also got an ISO certificate from American Quality Assessors (AQA) a prestigious body especially in Europe & USA.

### About the department

The Department of Computer Engineering is one of the finest departments of the college. The department currently has about 450 enrolled students. It offers programs leading to B.E. in

Computer Engineering. The department is equipped with the latest infrastructure and laboratories. The department's student body, the Association of Computer Engineering, has been actively involved with several activities, competitions and projects, newsletter and magazines.

### About the B.E. (Computer Engineering) Program

The Savitribai Phule Pune University has a four-year undergraduate program leading to the degree of Bachelor of Engineering. The examination is common to all affiliated colleges. The details of the teaching and examination scheme of the computer course are as follows:

**Duration:** 4 years or 8 semesters. Each semester is of sixteen weeks. Each lecture is of 1 hour.

**Medium of Instruction:** English

**Structure:** First year – common to all branches. Second year onwards – specific courses for each branch.

**Courses:** All courses are compulsory, except in the final year, where the student chooses electives in the seventh and eighth semester.

**Project work:** Students must do a project and give a seminar presentation related to their major in the final semester of the final year as partial requirements for the degree

**Grace marks:** A student can be awarded a maximum of 15 marks to the total marks of the year as grace either to clear a subject or obtain a higher class, as per Ordinance Numbers O.138 (A), O.138 (B), O.136, O.136 (A), O.137, O.140a of the University of Pune.

**Grading:** Grading is based on performance in written, practical and oral examinations and on the internal assessment of term work (laboratory/seminar/project work). The university employs the Semester Grade Point Average (SGPA) system for the student in a year to award classes as follows:

Marks	Class
5.5 – 6.24	Second Class
6.25 – 6.74	Higher Second Class
6.75 – 7.74	First Class
7.75 – 10	First Class with Distinction

$$SGPA = \frac{\sum_{i=1}^p C_i G_i}{\sum_{i=1}^p C_i}$$

## B.E. Transcript

**Name** : Mr. Pawar Swaraj Sanjay  
**Perm. Reg. No.** : 71616124K  
**Degree Program** : Bachelor of Engineering  
**Department** : Computer Engineering  
**Date of Joining** : July 2015  
**Date of graduation** : May 2019

**First Year (FE) Exam Seat Number : F150380663**

Semester 1 (July-Nov)				
Course Name	TOT CRD	EARN CRD	GRD	GP
Engineering Mathematics - I	5	5	O	50
Engineering Chemistry	5	5	O	50
Fundamentals Of Programming Languages- I	2	2	B+	14
Basic Electronics Engineering	4	4	O	40
Basic Civil & Environmental Engineering	4	4	O	40
Engineering Graphics - I	4	4	O	40
Workshop Practices	1	1	O	10

**First Year SGPA: 9.88, Total Credits Earned: 50**

**Second Year (SE) Examination Number :S150384306**

Semester 3 (July-Nov)					
Course Name	SUB TYPE	TOT CRD	EARN CRD	GRD	CRD PTS
Discrete Mathematics	TH	4	4	A+	36
Digital Electronics and Logic Design	TH	4	4	A+	36
Data Structure and Algorithms	TH	4	4	A+	36
Computer Organization and Architecture	TH	4	4	A+	36
Object Oriented Programming	TH	4	4	O	40
Digital Electronics Lab	TW+PR	1	1	O	10
Data Structures Lab	TW+PR	2	2	O	20
Object Oriented Programming Lab	TW+ PR	1	1	O	10
Soft Skills	TW	1	1	O	10
Audit Course – I	TW	0	0	P	00

**Second Year SGPA: 9.46, Total Credits Earned: 50**

**Month-Year of passing May 2016**

Semester 2 (Dec-May)				
Course Name	TOT CRD	EARN CRD	GR D	GP
Engineering Mathematics- II	4	4	O	40
Engineering Physics	5	5	O	50
Fundamentals Of Programming Languages- II	2	2	O	30
Engineering Mechanics	5	5	O	50
Basic Electrical Engineering	4	4	O	40
Basic Mechanical Engineering	4	4	O	40
Engineering Graphics – I	1	1	O	10

**Month-Year of passing May 2017**

Semester 4 (Dec-May)					
Course Name	SUB TYPE	TOT CRD	EARN CRD	GRD	CRD PTS
Engineering Mathematics-III	TH	4	4	O	40
Engineering Mathematics-III	TW	1	1	O	10
Computer Graphics	TH	4	4	O	40
Advanced Data Structures	TH	4	4	A+	36
Microprocessor	TH	4	4	A+	36
Principles of Programming Language	TH	3	3	A+	27
Computer Graphics Lab	TW+ PR	1	1	O	10
Advanced Data Structures Lab	TW+ PR	2	2	O	20
Microprocessor Lab	TW+ PR	2	2	O	20
Audit Course – II	TW	0	0	P	00

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**Third Year (TE) Examination Number : T150384303**

<b>Semester 5 (July-Nov)</b>					
Course Name	SUB TYPE	TOT CRD	EARN CRD	GRD	CRD PTS
Theory of Computation	TH	3	3	A	24
Database Management Systems	TH	3	3	O	30
Software Engineering and Project Management	TH	3	3	A+	27
Information Systems and Engineering Economics	TH	3	3	A	24
Computer Networks	TH	4	4	B+	28
Skills Development Lab	TW	2	2	O	20
Skills Development Lab	OR	2	2	O	20
DBMS Lab	TW+PR	2	2	O	20
CN Lab	TW+PR	1	1	O	10
MOOC - Learn New Skills	AC	0	0	P	00

**Third Year SGPA: 9.07,**

**Month-Year Of Passing May 2018**

<b>Semester 6 (Dec-May)</b>					
Course Name	SUB TYPE	TOT CRD	EARN CRD	GRD	CRD PTS
Design and Analysis of Algorithms	TH	4	4	O	40
System Programming and Operating Systems	TH	4	4	O	40
Embedded Systems and Internet of Things	TH	4	4	A+	36
Software Modelling and Design	TH	3	3	A	24
Web Technology	TH	3	3	A	24
Seminar and Technical Communication	TW	1	1	O	10
Web Technology Lab	TW+PR	1	1	O	10
SP & OS Lab	TW+PR	2	2	O	20
ES & IOT Lab	PW	1	1	O	10
LEDSP & Personality Development	AC	0	0	P	00

**Total Credits Earned: 46**

**Fourth Year (BE) (Will Appear)**

<b>Semester 7 (July-Nov)</b>					
Course Name	SUB TYPE	TOT CRD	EARN CRD	GRD	CRD PTS
High Performance Computing	-	-	-	-	-
Artificial Intelligence and Robotics	-	-	-	-	-
Data Analysis	-	-	-	-	-
Data Mining and Warehousing	-	-	-	-	-
Distributed System	-	-	-	-	-
Laboratory Practice- I	-	-	-	-	-
Laboratory Practice- II	-	-	-	-	-
Project Work Stage- I	-	-	-	-	-
Audit Course 5	-	-	-	-	-

**Month-Year Of Passing May 2019**

<b>Semester 8 (Dec-May)</b>					
Course Name	SUB TYPE	TOT CRD	EARN CRD	GRD	CRD PTS
Machine Learning	-	-	-	-	-
Information and Cyber Security	-	-	-	-	-
Soft Computing and Optimization Algorithms	-	-	-	-	-
Human Computer Interface	-	-	-	-	-
Laboratory Practice- III	-	-	-	-	-
Laboratory Practice- IV	-	-	-	-	-
Project Work Stage- II	-	-	-	-	-
Audit Course 6	-	-	-	-	-

**Final Year SGPA: --, Total Credits Earned: --**

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