



Department of Computer Engineering

About Us

The Department has always been on a high growth path with a strong commitment to engineering education. It is the most vibrant and dynamic department at DJ Sanghvi College of Engineering. Established in 2001 with an intake of 30 seats in 2001, which increased to 60 seats in 2002-03 and later to 120 seats in 2011-12, the department is now proud to invite 180 aspiring undergraduates in the program.

The department also has a Master's programme started in 2012-13 with an intake of 18 and a PhD programme with 10 seats started in 2015-16.

The department takes pride in its **experienced, enthusiastic and dedicated faculty**, who are always in the process of providing continuous support to the students and improvising the teaching learning cycle.

The department has state of art computing laboratories equipped with the latest machines, software with networking and internet facility. All the classrooms and laboratories are equipped with **modern amenities such as Smartboard, multimedia projection, internet and Wi-Fi access during lectures.**

Syllabus overview/Birds-eye view:

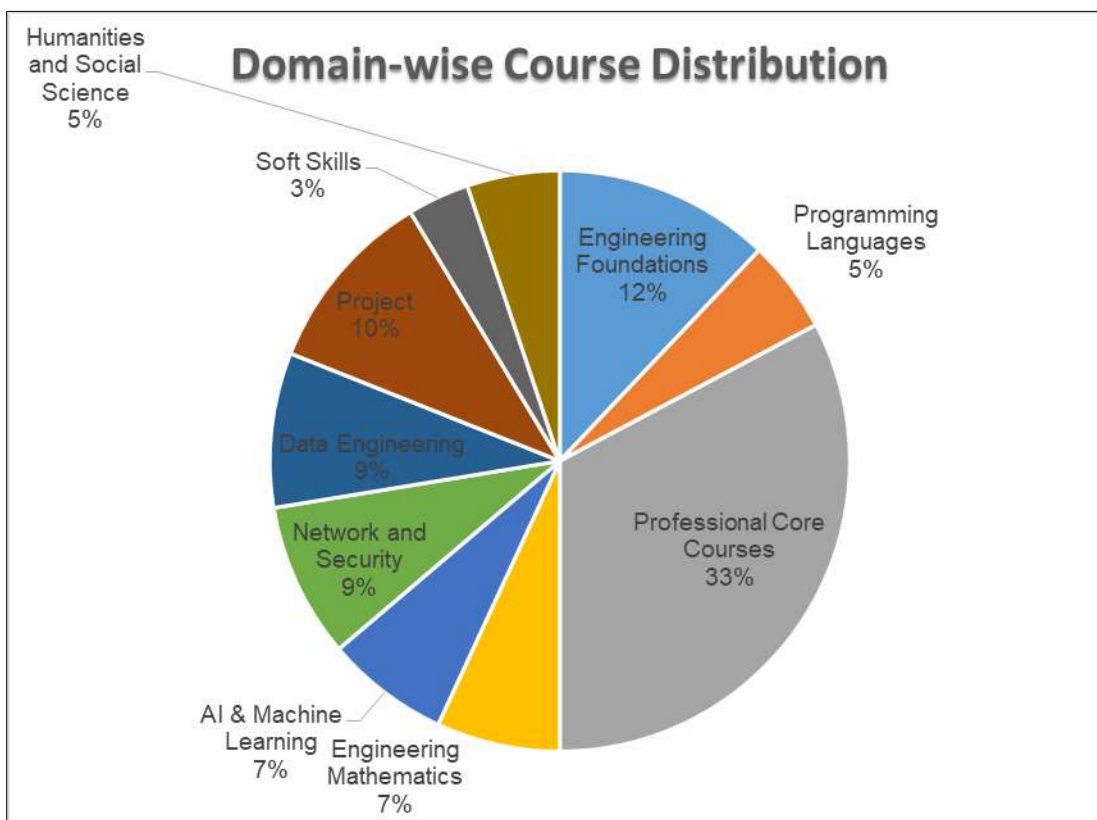
First Year	Common for all Branches
	Programming languages [C&JAVA]
Second Year Sem III	Engineering Mathematics-III, Data Structures, Discrete Structures, Database Management Systems, Digital Electronics, Constitution Of India, Innovative Product Development-I
Second Year Sem IV	Engineering Mathematics-IV, Formal Language & Automata Theory, Operating System, Analysis of Algorithm, Computer Network, Universal Human Values Innovative Product Development-II
Third Year Sem V	Data Mining and Warehouse Processor Architecture Artificial Intelligence Professional and Business Communication Advance Operating System Advance Database Management System



	Network Engineering Programming Laboratory-II (Python) Innovative Product Development-III
Third Year Sem VI	Software Engineering Advance Algorithm Information Security Big Data Infrastructure Internet of Things Business Analytics Machine Learning Compiler Design Human Machine Interaction Innovative Product Development-IV Environmental Engineering
Final Year Sem VII	Signal Processing and Applications Software Project Management Soft Computing Mobile Computing Deep Learning Block Chain Technology Predictive Modeling Project-Stage I
Final Year Sem VIII	Data Science High Performance Computing Natural Language Processing Software Architecture Software Testing and Quality Assurance Project-Stage II

Domain-wise Course Distribution

Type of Course	No of Courses
Engineering Foundations	7
Programming Languages	3
Professional Core Courses	19
Engineering Mathematics	4
AI & Machine Learning	4
Network and Security	5
Data Engineering	5
Project	6
Soft Skills	2
Humanities and Social Science	3



Frequently Asked Questions

1. Why will my ward choose your branch?

Computer Engineering branch at DJ Sanghvi College of Engineering is the most coveted branch in Mumbai and Western zone. It is the base of all allied computer related branches. It is a core branch for students interested in pursuing engineering degree in Computers. Specializations, such as Data Science, Artificial Intelligence, IoT, Machine Learning, Embedded Systems need fundamental and sound knowledge of Computer Engineering. A computer engineer graduating from this department will be equipped with this fundamental knowledge and thereafter can choose a career in any of the specializations; he/she is interested in. The syllabus is framed such that the student is aware of the technologies required for the specializations to a certain extent. Students who love programming and designing or have a creative mind with a good understanding of coding can get into this branch and fit in very easily. Students with Computer Engineering degree have prospects all around the world. Students interested in Placements have a good scope of getting a job in good renowned companies. Students, who wish to opt for higher studies also have a very good chance of getting admissions for masters in Computer engineering in IIT, IISCs as well as universities in UK/US/Canada/etc or pursue MBA in IIMs, Harvard etc



2. What are the placement opportunities for your branch?

The advent of Data Engineering, Robotics and Artificial Intelligence have given a boost to the demand and scope of placements in Computer Engineering. The department has a 100% placement with students having multiple offers in MNCs like JP Morgan, Accenture, Infosys, TCS, Oracle Financial, Directi, GEP, ZS Associates, PWC, Oracle Financial etc.

Following is the placement scenario for the Computer Engineering department during AY: 2020-21.

In 2020-2021

- Total Number of Students Interested in Placement Process = 87
- Total Number of Students Placed through Placement Process = 87

Salary packages: 3.5 Lacs p.a – 25.33 LPA
Highest package for 20-21: 25.33 LPA
Average Package: 8.49 LPA

Companies offering placements in A.Y 2020-21

Oracle Financial	TCS	ZS Associates	Directi	Accenture	NSE
Visible Alpha	Infosys	Accolite	L&T	MuSigma	PWC
Morgan Stanley	AMDOCS	JP Morgan	GEP	Dolat Capital	Edelweiss
Ernst & Young		Tech Mahindra			

3. Prerequisites/ Interests required from a particular student for choosing the branch.

Candidate with critical thinking, excellent problem solving abilities and interest in programming with good coding skills can have better prospects in this branch. Background knowledge of Mathematics, Statistics and Probability is helpful in understanding and grasping the knowledge of subjects.

4. If my ward chooses your branch, what are his/her higher study prospects?

Computer Engineering branches out into numerous specializations, thereby creating a host of career paths for Computer Engineers, such as: M.Tech/M.S. in Computer Engineering, Postgraduate Program in Machine Learning/Data Science/Business Analytics, MBA etc. Also career options available with Computer Engineering Students are: Computer Network Architect, Computer Systems Analyst, Database Administrator, Information Security Analyst, Full Stack Developer, Information Systems Manager, Data Analyst, Data Scientist, Big Data Engineer, Machine Learning Engineer etc.