DEPARTMENT OF INFORMATION TECHNOLOGY

About US:

In the modern era, the world is moving towards efficient improvements and productivity using technology. As more and more jobs are being automated, IT department is at par with the changes going around in the world and helps students to gain a strong foothold in the ever-growing modern world. Having the foresight to consider the growth of technology, back in 1999 D.J. Sanghvi college of engineering introduced a new discipline of Information Technology.
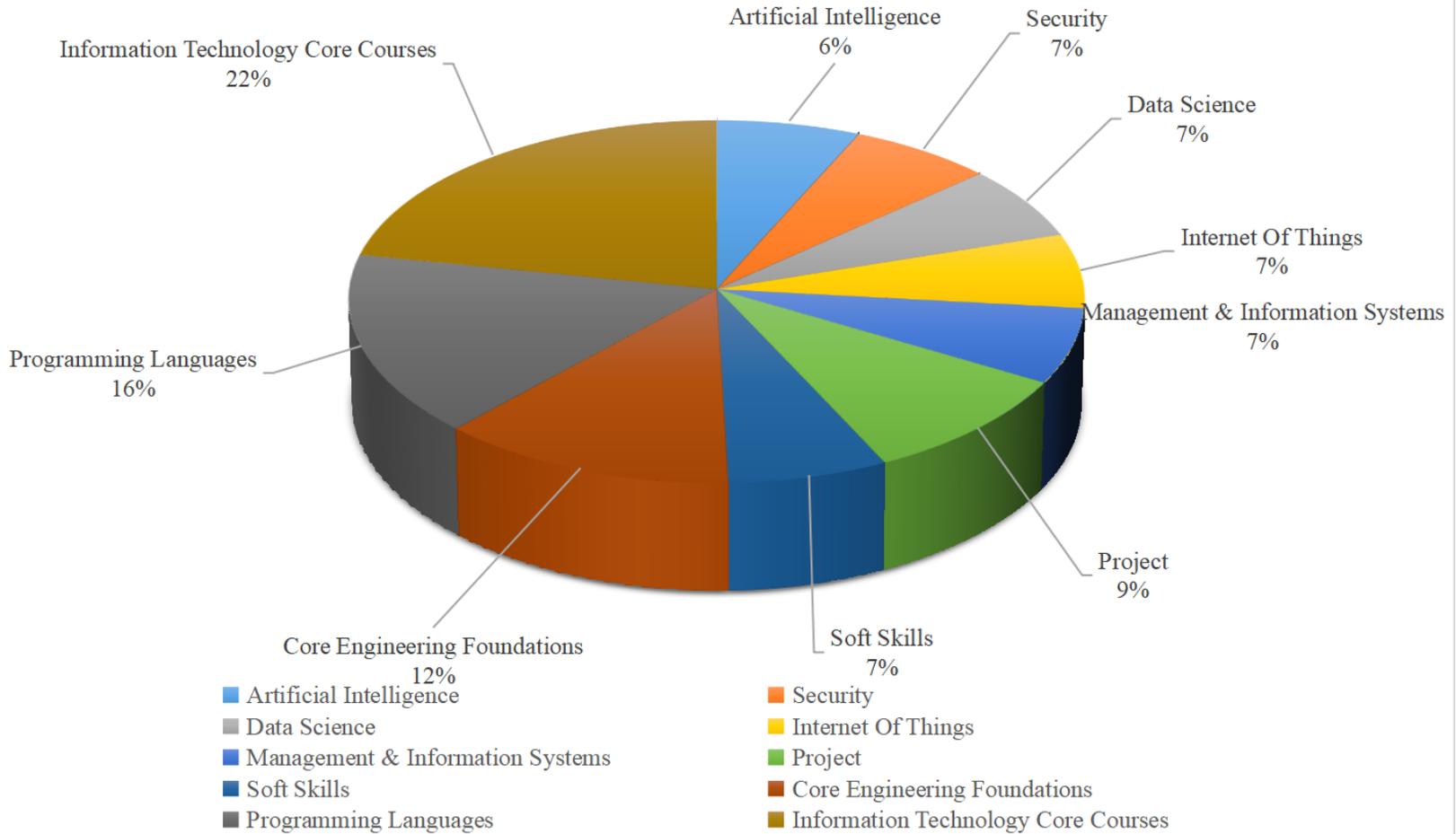
This program is accredited by the National Board of Accreditation (NBA) till A.Y. 2022-2023 (i.e., till 30th June 2023). Information technology is the study, design, development, implementation, support or management of computer-based information systems—particularly software applications and computer hardware. In other words, IT deals with the use of computers and software to provide a new tangent all together in the technology, to convert, store, protect, process, transmit and retrieve information, securely. To keep pace with the current technological trends and to sharpen their skills, faculty development workshops are carried out regularly.

During this four-year program, the emphasis is on the technology itself more than on the information it conveys. A highly skilled, dynamic, and technologically sound faculty endows the IT department. IT students have striven hard to achieve many awards and laurels for the college and many of the alumnus work for big MNCs.

The IT department boasts of having two student committees, namely DJ-CSI and INIT-AI. These committees aim to not only give students opportunities to advance academically but also to hone their overall skills. DJCSI bagged the award of the best CSI chapter in India for the academic year 2017-19.

Syllabus Overview/Birds-Eye View:

DEPARTMENT OF INFORMATION TECHNOLOGY (AUTONOMOUS SCHEME)

SEM III
- Discrete Structures
- Data Structures and Algorithms
- Database Management System
- Digital Logic Design
- Operating System
- Programming Laboratory 1 (Java and Advanced Java)
- Innovative Product Development I (Audit)
- Constitution of India (Audit)

SEM IV
- Probability and Statistics
- Formal Languages and Automata Theory
- Design and Analysis of Algorithms
- Computer Networks
- Web Programming
- Programming Laboratory 2 (Python)
- Universal Human Values
- Innovative Product Development II (Audit)

SEM V
- Cryptography and Network Security
- Advanced Data Structures
- Data Warehousing and Mining
- Artificial Intelligence
- Professional and Business Communication Lab

DEPT. ELECTIVE I
- Microcontrollers and Embedded Systems
- Human Computer Interaction
- Statistical Analysis
- Innovative Product Development III (Credit)

SEM VI
- Parallel and Distributed Computing
- Software Engineering
- Image Analysis and Computer Vision

DEPT. ELECTIVE I & II
- Infrastructure Security
- Soft Computing
- Internet of Things
- UI/UX
- Big Data Analysis
- Information Systems and IT Governance
- Environmental Studies (Audit)
- Innovative Product Development IV (Credit)

SEM VII
- Service Oriented Architecture
- Design Thinking

DEPT. ELECTIVE I
- Blockchain Technology
- Machine Learning
- Sensor Network
- Animation and Rendering
- Visual Analytics
- Enterprise Resource Planning
- Institute Level Optional Courses - I
- Project Stage - I

SEM VIII
- Semantic Web Technology
- Quantum Computing

DEPT. ELECTIVE I
- Advanced System Security
- Advanced Machine Learning
- Internet of Everything
- Gamification
- Predictive Analytics
- Management Information Systems
- Institute Level Optional Courses - II
- Project Stage - II

Subject Distribution

Artificial Intelligence
6%

Security
7%

Data Science
7%

Internet Of Things
7%

Management & Information Systems
7%

Project
9%

Soft Skills
7%

Core Engineering Foundations
12%

Programming Languages
16%

Information Technology Core Courses
22%

Legend:
- Artificial Intelligence
- Security
- Data Science
- Internet Of Things
- Management & Information Systems
- Project
- Soft Skills
- Core Engineering Foundations
- Programming Languages
- Information Technology Core Courses

Frequently Asked Questions (FAQs)

1. **Why will my ward choose your branch?**

   - Build Technological Foundation
   - Wholesome Development
   - To get Practical Exposure
   - Blend of Academics
   - Good Research Projects
   - Global Environment
   - Impact on The Society
   - Innovative Ideas and Learning
   - Soft and Professional Skills Development

2. **What are the placement opportunities for your branch?**

   Information Technology branch is the most sought-after branch today by the student's seeking admission in the professional engineering course at DJSCE. This is prominently due to the latest syllabus which is specifically curated as per the IT industry latest technological demands.

   There are more than 65 IT companies visiting our campus every year offering different roles to students primarily from IT department. This list includes some of the IT giants like Morgan Stanley, J.P. Morgan, Deloitte etc. which are offering CTC of more than 12 LPA and some are as high as 25LPA, which is a dream package of every placement aspirant.

   It is also observed every year that almost all students who are interested in receiving campus placement offer are placed, with some students holding multiple job offers as well. This is because, we at our department are offering our students every possible help viz. pre-placement seminars, guidance by Alumni and third-party assessment services like AMCAT and Cocube along with other opportunities like hackathon, coding events which sharpen students' technical skills.

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

   Interest in programming aspect of application, management aspects for project development, willingness to understand how software applications [web & mobile apps] work. Interests in fields like AI, IOT, Data Science, Security, UI/UX, etc.

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

We are extremely proud to boast that many of our alumni are now also proud alumni of Ivy League universities in USA and other prestigious institutes like IIT Bombay, IIM-A, IIM-C etc. across the world.

Students at our department are always encouraged to participate in research projects and research assignments not only under the competent faculty in the department but also with renowned organizations outside e.g., CDAC, IIT-Bombay etc. Students at our department are also motivated to contribute their research publications in renowned journal and conferences. Students also get a chance to not only participate in the coding competitions and hackathons but they are also actively involved in organizing such prestigious events as well. Through all these activities, students get a good exposure to earn strong technical and non-technical skills that help them to build their impressive profile for their candidature application at foreign universities and other PG programs.

Competent faculty in the department provides every possible assistance to students in their academic and research work for this process. Strong recommendation from the faculty have always played a vital role in students grabbing the best and their ambitious admits for higher studies opportunities at the prestigious universities.

5. **What is the overlap of subjects between different branches offered from Computer & IT?**

There is almost 80-90% of overlap between the syllabi of both the departments. [Subjects not focused are processor organization and architecture, Compiler design and advanced computer networks].

Shri Vile Parle Kelavani Mandal's
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
Vile Parle (W) Mumbai - 400 056.
NAAC Accredited with "A" Grade (C.G.P.A : 3.18)

DEPARTMENT OF INFORMATION TECHNOLOGY

Highlights

ENRICHED CURRICULUM

DEDICATED AND PASSIONATE FACULTY

ASTOUNDING ACHIEVEMENTS

WELL EQUIPPED LABS

EXCEPTIONAL PLACEMENTS

DESIRABLE RESULTS

Intake

60 → 120

INTAKE INCREASED FROM 60 TO 120 FROM A.Y. 2020-2021
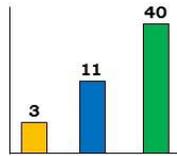
Accreditation

ACCREDITED BY NATIONAL BOARD OF ACCREDIATION FOR 3 YEARS TILL THE A.Y. 2022-2023 (I.E., TILL 30TH JUNE 2023)

Placement Highlights

COMPANY CATEGORY-WISE STUDENT'S PLACEMENT

3 — Normal
11 — Dream
40 — Super Dream

Higher Studies

Top Recruiters

Our Distinguished Alumni... Not Limited Too

SMIT SHAH
DIRECTOR
DRONE FEDERATION

JAY SHAH
FOUNDER
BLXBOX.ai

HILONI PUNATAR
CEO
WEBSHAKERS_IN

ADITYA MODI
SENIOR ENGINEERING MANAGER
AT LINKEDIN