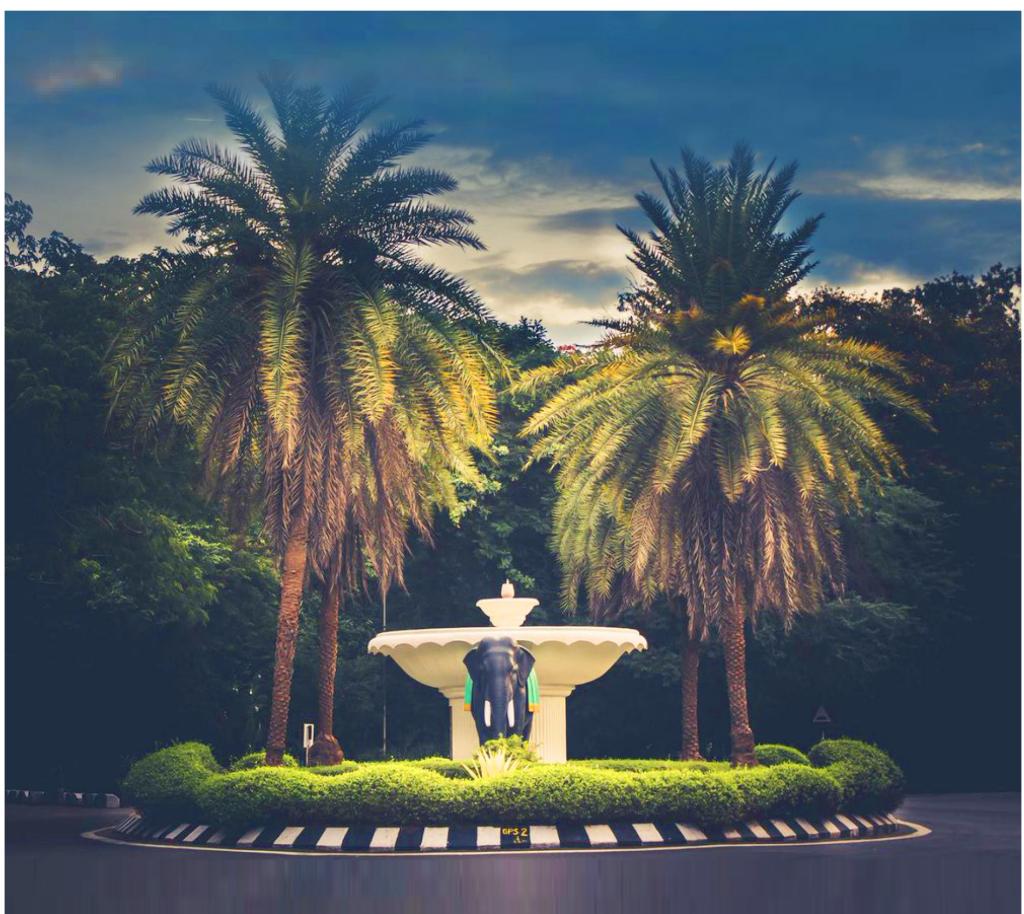




# INTERNSHIP & PLACEMENT BROCHURE

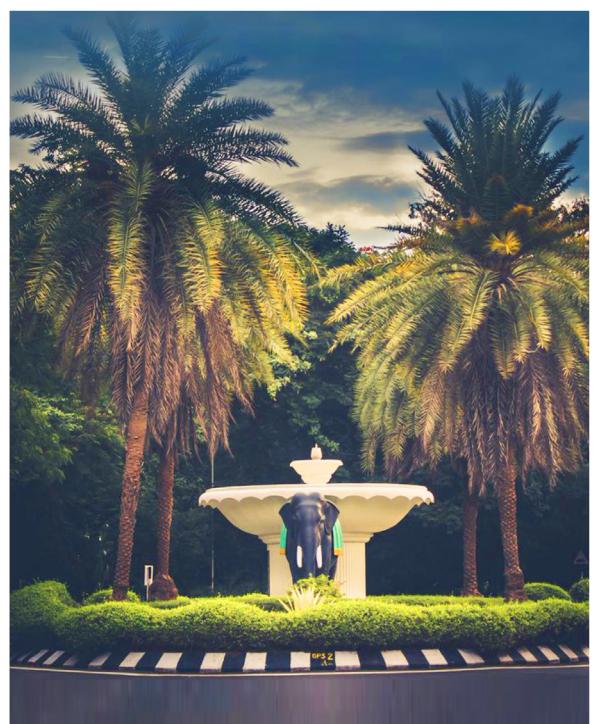


BSc Degree  
*in Programming and Data Science*

# About IIT Madras

Indian Institute of Technology Madras (IITM) was established in 1959 by the Government of India as an 'Institute of National Importance'. The activities of the Institute in various fields of Science and Technology are carried out in 16 academic departments and several advanced interdisciplinary research academic centres.

- The Institute offers undergraduate and postgraduate programmes leading to B.Tech., B.Sc., M.Sc., M.B.A., M.Tech., M.S., and Ph.D.
- IITM is a residential institute with more than 580 faculty and 9,500 students. Students from 18 countries are enrolled here.
- IITM fosters an active entrepreneurial culture through the IITM Incubation Cell.
- IITM has been ranked No.1 by NIRF, in the 'Over all' Category for the third consecutive year in India.
- The Institute has also been ranked No.1 in the Engineering Institutions category in NIRF Rankings for six consecutive years.



# MESSAGE FROM THE DIRECTOR



**Prof. Kamakoti Veezhinathan**, Director, IIT Madras

IIT Madras started this unique BSc program to provide access to IIT quality education to the learners across the country. Data Science is a growing field and the demand for skilled resources in the market is very high. IIT Madras has a rich history of providing high-quality education and this program is designed to underline the fact that IIT is within the reach of everyone. This BSc program is meticulously drafted and is aligned with the goals of the National Educational Policy. We are planning to make IIT Madras a 'Vishwa-guru (Global Teacher)' through innovative approaches to enhance the quality of education. In order to support the students from financially disadvantaged backgrounds to pursue this program, scholarships are being provided.



# BSc Degree

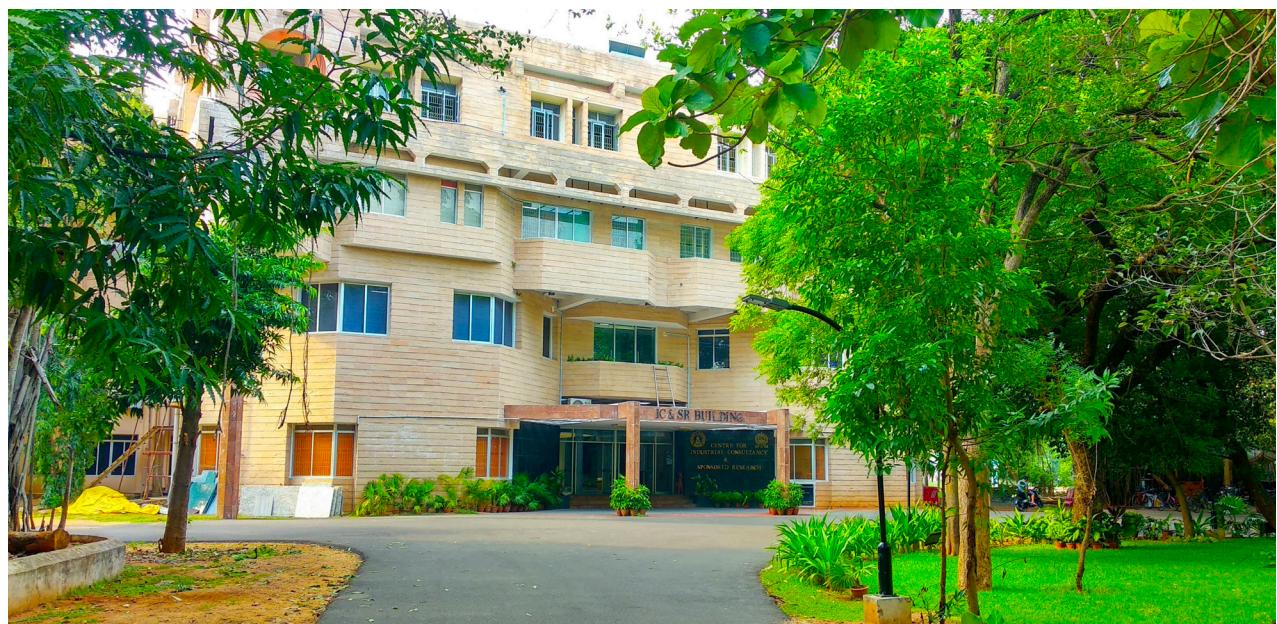
## in Programming and Data Science

### IIT Madras

IIT Madras, India's top technology institute, welcomes you to the world's first online BSc Degree program in Programming and Data Science. This unique online offering will be offered in three different stages - Foundational level, Diploma level, and Degree level. The course would equip the learners to build the skills in the areas of programming and data science.

#### Highlights of our course are:

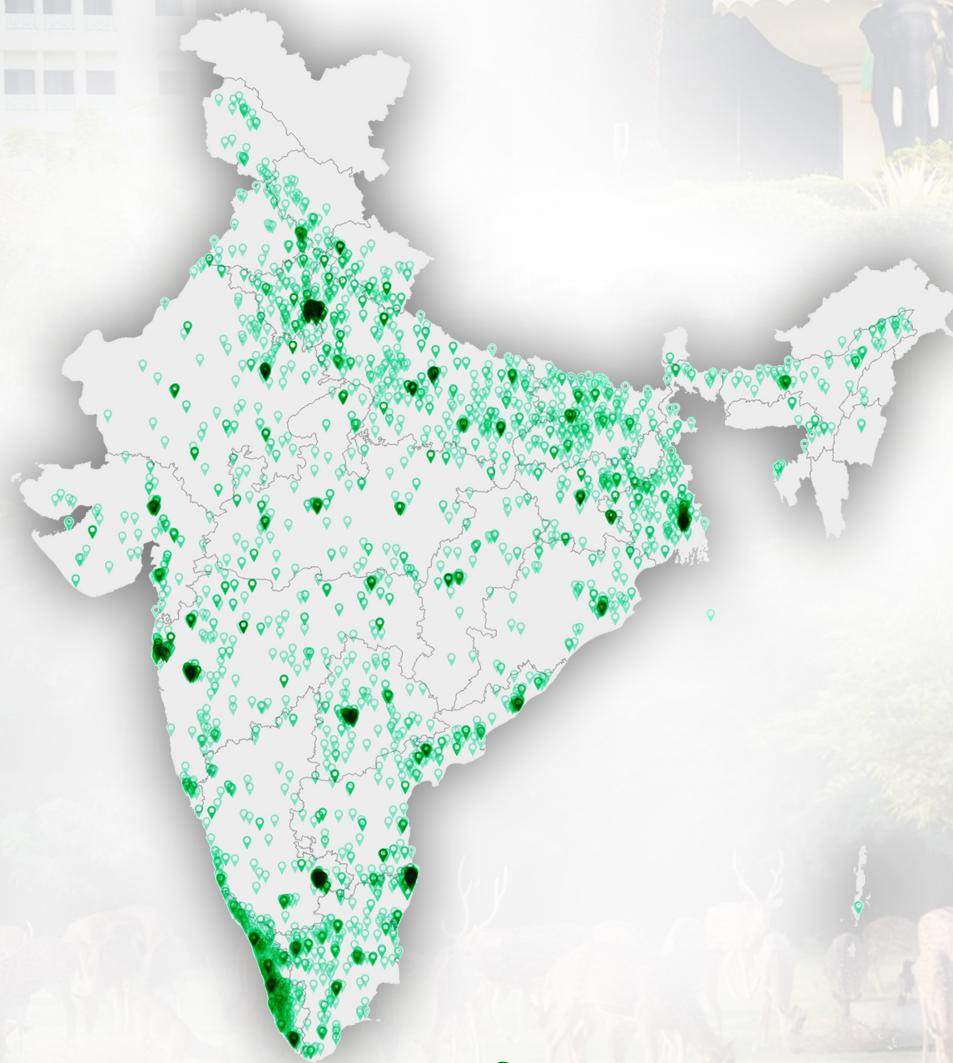
- The academic rigour is on par with the on-campus programs.
- Courses are offered online with maximum flexibility.
- Our students will be available for internships from September 2022.
- In-person quizzes and end term exams.
- Our students will be available for placements from August 2023.



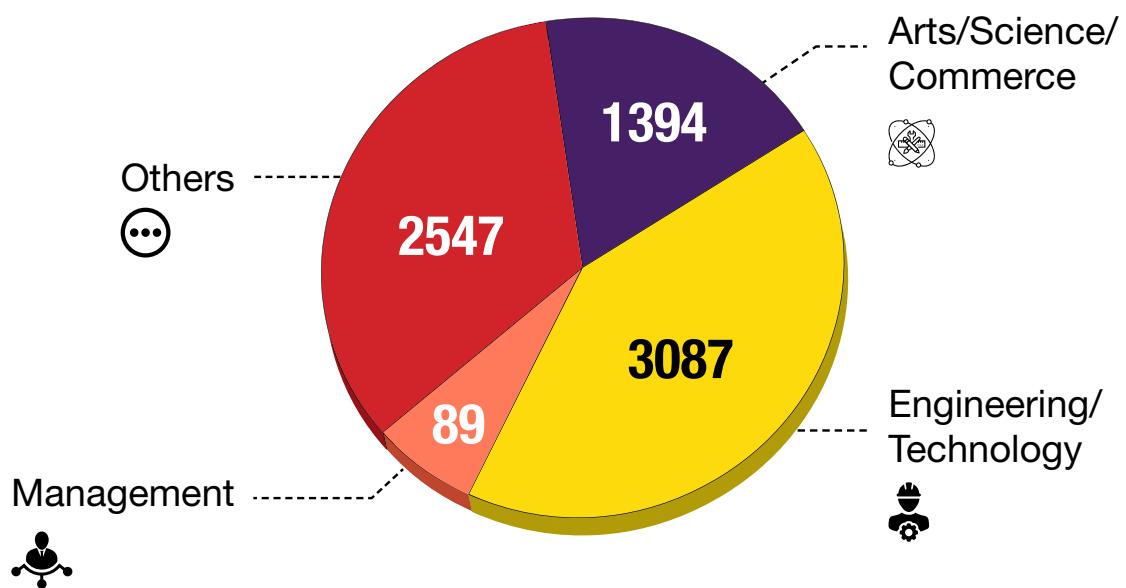
For more details about the BSc degree program,

**please visit <https://onlinedegree.iitm.ac.in>.**

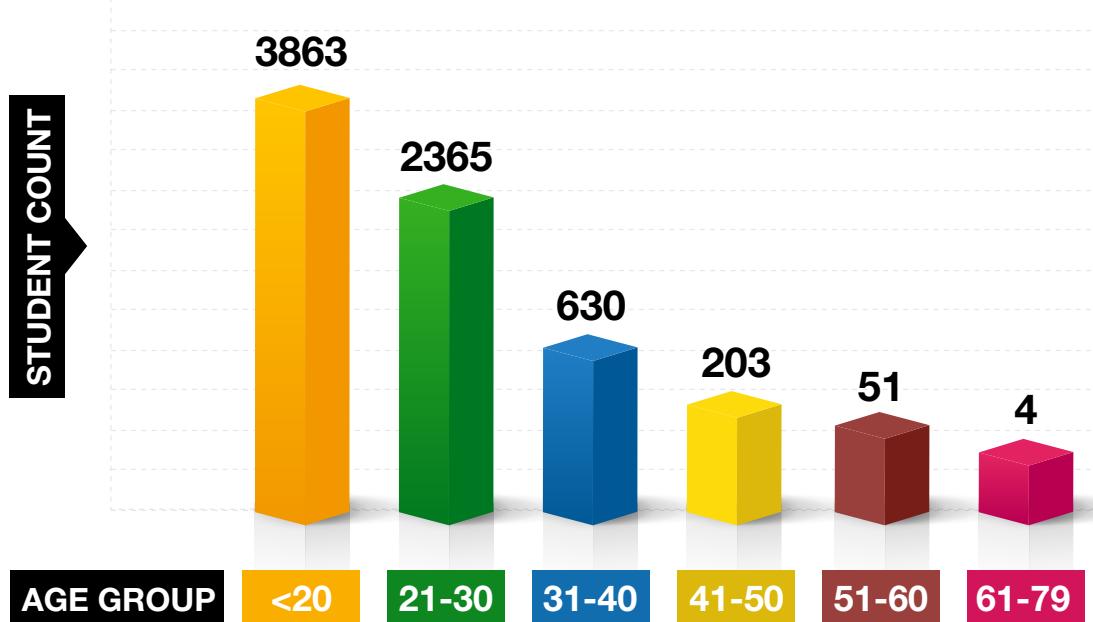
## DISTRIBUTION OF FIRST BATCH STUDENTS ACROSS INDIA



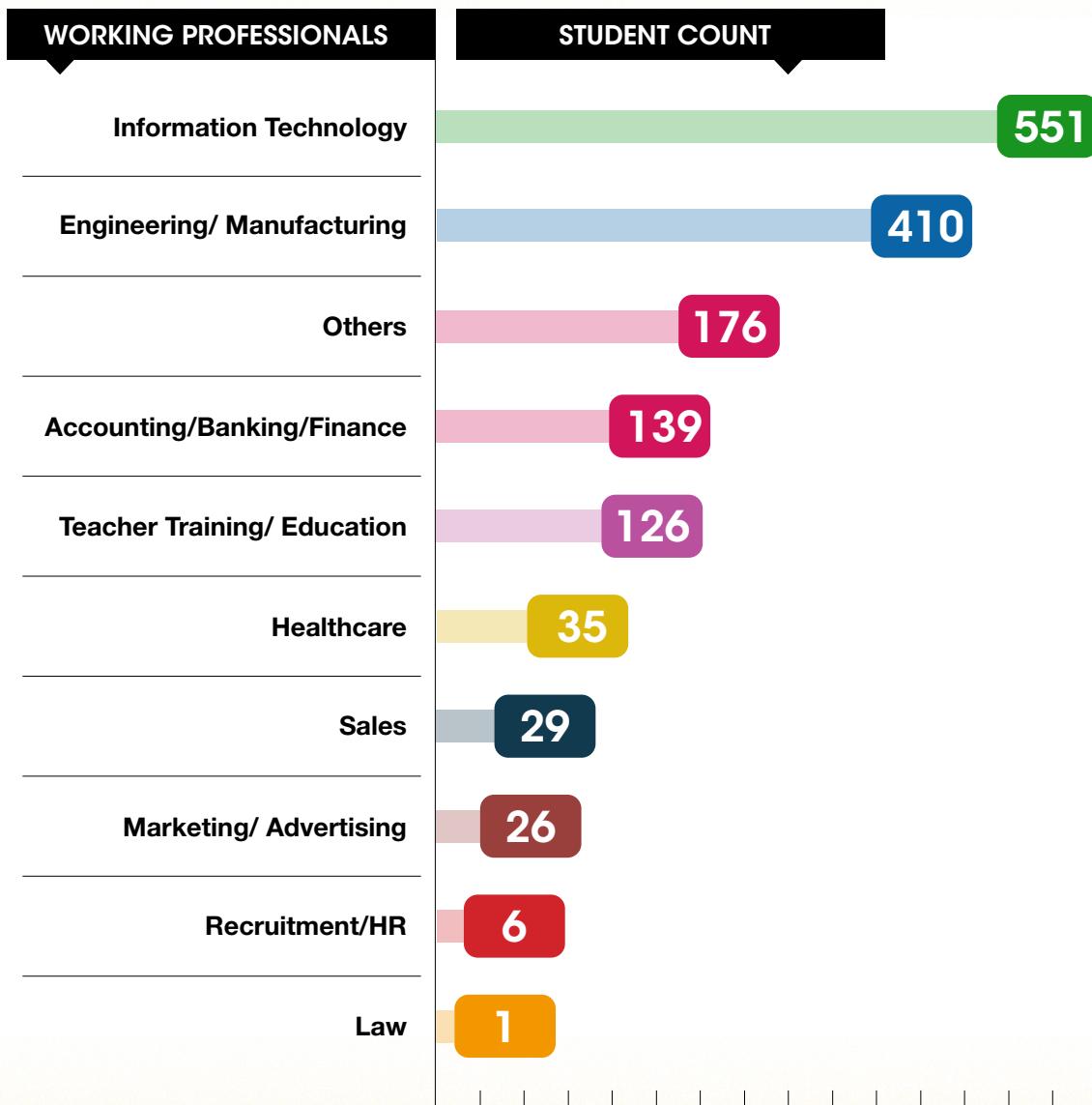
## EDUCATIONAL BACKGROUND



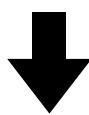
## AGE WISE DISTRIBUTION OF STUDENTS



## DIVERSITY OF OUR STUDENTS



# Semester-wise Courses Offered in the BSc Degree Program



## Foundational Programme

SEM 1
English 1
Maths 1
Statistics 1
Computational Thinking

SEM 2
English 2
Maths 2
Statistics 2
Programming In Python

## Diploma

### SEM 3

Database Management Systems
Programming, Data Structures, Algorithms Using Python
Modern Application Development 1
Machine Learning Foundations
Business Data Management
Skill Enhancement 1

### SEM 4

Programming Concepts Using Java
Modern Application Development 2
Machine Learning Technique
Machine Learning Practice
Business Analytics
Skill Enhancement 2

READY FOR  
INTERNSHIPS

## B.Sc. Degree

### SEM 5

Core 1
Core 2
Elective 1
Practices Elective 2/ Project 1
Strategies for Professional Growth
Skill Enhancement 3

### SEM 6

Elective 3
Elective 4
Elective 5
Practice Elective 6/ Project 2
Skill Enhancement 4

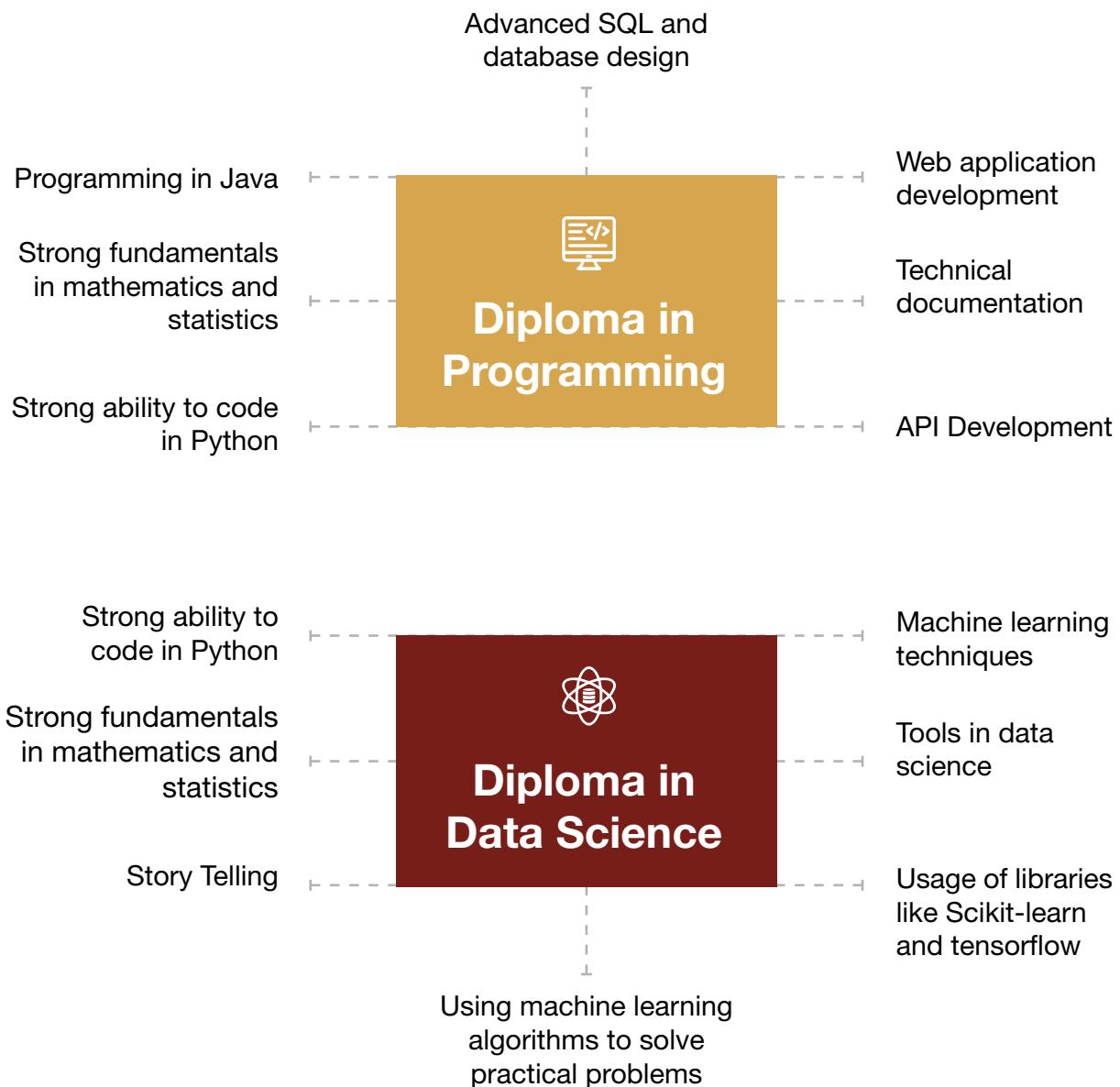


READY FOR  
JOBS

# Unique skill set of our students



As part of the program, our learners will develop problem-solving skills, communication skills along with the technical skills in Programming and Data Science. Our learners will develop the following skills as part of the Diploma level.



# Our Contact Details

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For more details about the BSc degree program,  
Please visit <https://onlinedegree.iitm.ac.in>

**Industry Interaction Cell  
BSc Degree Program**

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