



# MTech @ IISc



## MASTER OF TECHNOLOGY IN SYSTEMS ENGINEERING\* (SE)

JOINTLY OFFERED BY

DEPARTMENT OF ELECTRICAL ENGINEERING &  
DEPARTMENT OF COMPUTER SCIENCE AND AUTOMATION

INDIAN INSTITUTE OF SCIENCE, BANGALORE

### M TECH

The two-year program in Systems Engineering (SE), (which was known by the name System Science and Automation till last year), is a unique program that is designed to provide a solid training in interdisciplinary subjects that require a mix of mathematical analysis, algorithms, and computing. The goal of the program is to endow students with a deeper understanding of fundamental topics, and to acquaint them with various upcoming and challenging problems relevant to the industry. The course work comprises a set of prescribed core courses and several elective courses chosen by the students based on their interests. The project work allows the student to focus on an exciting area and explore it in greater depth.

chastic modeling, analysis of linear and non-linear systems, and numerical optimization. Students have the opportunity to specialize in one or more fields, such as speech and audio processing, image processing, computer vision and graphics, pattern recognition and machine learning, document analysis, medical imaging, game theory, and sensor and communication networks. This is possible thanks to the flexibility offered to the students in choosing their electives from a rich set of courses offered by the CS and EE departments. Also, they have the flexibility of carrying out their thesis project under the guidance of a faculty member from either department.

### ELIGIBILITY

BE graduates in Electrical, Electronics and Communication, Computer Science, Mechanical, Instrumentation, and Chemical Engineering are eligible. A fixed number of students are selected from each of the above disciplines based on their GATE scores.

### PROJECT

The students get an opportunity to work on exciting research problems for their projects. Several students end up publishing their research results in prestigious international conferences and journals. This provides an excellent launching pad for PhD in India and abroad.

### PROGRAM

The core courses are particularly designed to provide a solid foundation in data structures and algorithms, sto-

### PLACEMENTS

Graduates are placed in top companies such as Adobe, Amazon, Cisco, DRDO, Google, Intel, IBM Research, ISRO, Microsoft, NVIDIA, Nuance, Oracle, Qualcomm, Samsung, Siemens, Texas Instruments, Xerox and Yahoo!. Many of the past graduates currently occupy faculty positions in leading academic institutions across the globe.

FOR MORE DETAILS

[www.ee.iisc.ac.in/academics-courseprograms.php](http://www.ee.iisc.ac.in/academics-courseprograms.php)

[www.csa.iisc.ac.in/academics](http://www.csa.iisc.ac.in/academics)

ADMISSION DEADLINE

Website opening for online application: February 1

Last date for online submission: March 24

\*This program was previously called System Science and Automation