



॥वसुधैव कुटुम्बकम्॥

SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)

Constituent of SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)



M.Tech in Engineering Design



Enhance your research skills with expert mentorship



Earn a PG degree without a career break



Excellent Research Ecosystem and Laboratories

ABOUT THE PROGRAMME

M.Tech in Engineering Design

It is offered by Symbiosis Institute of Technology (SIT) which is an esteemed engineering institution of Symbiosis International (Deemed University). The Institute endeavors to provide quality technical education in line with the requirements of today's competitive industry and fast paced technological developments.

The curriculum developed by the Institute lays a stress both on basics and latest technological developments to produce globally competent engineers.

OUR RANKINGS

INDIA TODAY 2021



Among Top Emerging
Private Colleges in India



Among Top Private
Colleges in West Zone



Among Top Private Engineering
Colleges in India

M.Tech in Engineering Design is a postgraduate degree that emphasises independent study over taught instruction. It isn't restricted to specific subject areas of engineering but focuses on multidisciplinary research. This programme is ideal if the main goal of the candidate is upskilling the technical skills and acquiring the research training via expert mentorship.

This may serve as a starting point for the PhD. Many professions value research skills, but a PhD may not be necessary. Masters in engineering design offers a shorter, more focussed, route to multidisciplinary research training.

It mainly focuses on the importance of research and development. The framework of the course is intended to help students improve their research ethics, techniques, presenting abilities, writing ability, and research aptitude. The ultimate goal of this programme is to improve industry personnel's academic qualifications while also developing their research ability.

NEP 2020 has put tremendous stress on the development of multidisciplinary research and learning ecosystem. To that end, we are the forerunners in launching this programme of M.Tech in Engineering Design

ELIGIBILITY

Bachelor's degree in Engineering/Technology with a first-class or a minimum 60% marks (CGPA 6.5 on a 10 – point scale) for open category and 50% marks (CGPA 6 on a 10 point scale) for SC/ST and DFA category candidates.

OR

Master's degree in Science or Master's degree in Computer Applications (with Physics & Mathematics at Bachelor's level) and

UG + 2 years industry experience / Research experience in a research lab

PROGRAMME GOALS

1. Encourage independent research project with the support of expert supervision
2. Align the research abilities directly to the candidate's career interests
3. Encourage the multidisciplinary research
4. Strengthen core knowledge
5. Offer intensive research training, enabling their contribution in the field of Science, Engineering and technology.
6. Enhance the research culture and industry-academia connection

FEE STRUCTURE PER YEAR

Fee Structure	Academic Fee (INR)	Institute Deposit (INR)	Total(INR)
Indian Students (Full time - 2 yrs)	40,000/- (per year)	20,000/-	1,00,000/-
Indian Students (Part time - 3 yrs)	26,600/- for year 1 and 2 26,800/- for year 3	20,000/-	1,00,000/-

RESEARCH AT GLANCE AT SIU

Research Centres Affiliated to SIU

Symbiosis Centre for Applied Artificial Intelligence (SCAAI)
 Symbiosis Centre for Medical Image Analysis (SCMIA)
 Symbiosis Centre for Nanoscience and Nanotechnology (SCNN)
 Symbiosis Centre for Waste Resource Management (SCWRM)

Multidisciplinary
research

State-of-the-art equipment
and labs in various
departments

Knowledgeable research
guides in various domains

INTERNATIONAL COLLABORATION

(Our international collaborations)



SPECIALIZATION AREAS

DEPARTMENT OF CIVIL ENGINEERING

1. Environmental engineering
2. Geoinformatics and geoscience
3. Water resource engineering
4. Transportation Engineering

DEPARTMENT OF COMPUTER SCIENCE/AI & ML/IT ENGG

1. Artificial Intelligence and Machine Learning
2. Natural language processing
3. Cloud computing
4. Blockchain
5. Cyber security
6. Internet of Things

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

1. Signal and Image processing
2. VLSI
3. Embedded system
4. Control system
5. Telecommunication
6. Robotics

DEPARTMENT OF MECHANICAL ENGINEERING

1. Thermal Engineering
2. Manufacturing Technology
3. Design engineering
4. Automobile engineering
5. Material science
6. Robotics

DEPARTMENT OF ROBOTICS & AUTOMATION

1. Aerial and Mobile robotics
2. Mobility Control and navigation
3. AI for Robotics and Automation
4. Robotic Process Automation (RPA)
5. IoT and IIoT
6. Additive and Smart Manufacturing

DEPARTMENT OF APPLIED SCIENCES

1. Mathematics
2. Physics
3. Chemistry

These are the tentative areas, but the specialization can be offered depending on the availability of the guide. Also, multidisciplinary research is encouraged and supervisor and co-supervisors from two separate departments are encouraged.

