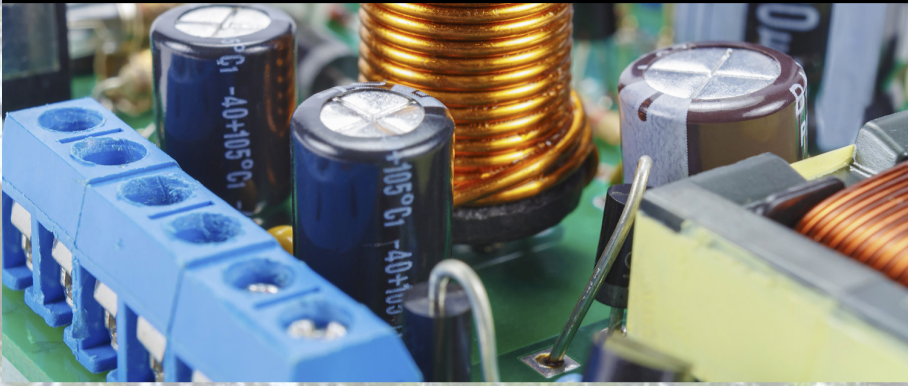




# PhD and MTech (Research) Programmes EECS and allied areas Indian Institute of Science Bengaluru

## Electrical Engineering



Focus areas: power electronics, power systems, high voltage engineering, signal/image/speech/audio processing, biomedical imaging, computer vision, optimisation, control systems, artificial intelligence and machine learning.  
<https://ee.iisc.ac.in>

## Computational and Data Sciences



Focus areas: data management, vision, NLP, machine learning, AI, HPC, cloud computing, medical imaging, computational fluid dynamics, and photonics.  
<https://cds.iisc.ac.in>

## Electronic Systems Engineering



Focus areas: analog and digital chip design, neuromorphic computing, hardware security and accelerators, MEMS, healthcare technologies, power electronics, semiconductor devices, cyber-physical systems, and neural network accelerators.  
<https://dese.iisc.ac.in>

## Computer Science and Automation



Focus areas: algorithms and complexity, cryptography and security, machine learning, intelligent systems, and computer systems areas such as architecture, compilers, operating systems, and programming languages.  
<https://www.csa.iisc.ac.in>

## Electrical Communication Engineering



Focus areas: digital communications, information and coding theory, signal processing and machine learning, computer and communication networks, nanoelectronics and VLSI systems, networks and optimisation, integrated optics and photonics, radio frequency circuits, and electromagnetics.  
<https://ece.iisc.ac.in>

## Brain, Computation, and Data Science



Focus areas: brain inspired artificial intelligence; machine learning; signal processing; theoretical and computational neuroscience; cellular, systems and cognitive neuroscience; sensory systems: vision, speech; high-level cognitive processes: learning, attention, decision making; brain-machine interfaces; neuromorphic computation, and neuromorphic hardware.  
<https://brain-computation.iisc.ac.in/>

## Robert Bosch Centre for Cyber-Physical Systems



Focus areas: socio technical systems, control, machine learning, robotics and other autonomous systems.  
<https://cps.iisc.ac.in/>



EECS Division



IISc Admissions