

NSS College of Engineering

NSS College of Engineering, Palakkad, one of the oldest engineering educational institutions in Kerala, was formed in 1960 by Nair Service Society under the leadership of the late Bharatha Kesari Mannathu Padmanabhan, during the second five-year plan with the assistance of the Central and State Governments under the Grant-in Aid Scheme. The college is now affiliated to the APJ Abdul Kalam Technological University, Kerala, offering six B.Tech Programs (Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Computer Science Engineering, Instrumentation and Control Engineering, Electronics and Communication Engineering) and five M.Tech Programs.

About the ISTE

The Indian Society for Technical Education is the leading professional non-profit making society for the technical education system in our country with the motto of career development of teachers and personality development of students. The chapter encourages technical talks, seminars, workshops, symposiums etc and has bagged several awards in this regard.

Electrical and Electronics Engineering Department

The department of Electrical and Electronics Engineering is one of the oldest department with which the college was established in 1960. The department has 26 well qualified faculty members having specialization in different areas of Electrical and Electronics Engineering and offers B.Tech. course and M.Tech. (Power Electronics) course. The department has well equipped laboratories and is supported by committed technical staff. The department with more than 540 students has a strong alumni constellation spread all over the world.

Department Vision

Enrich engineering profession by engendering competent engineers with prowess in their performance and management skills

Enhance accretion of knowledge, dexterity for innovation with dedication to the nation

Enable them for scholarly pursuits to meet the challenges of global needs.

Department Mission

- To effectuate electrical engineers of high caliber to serve the society and the nation.
- To be the dome of excellence with focus on advanced technology.
- To mould the students as global professionals with strong moral and ethical foundations.

About the Workshop

The workshop will be helpful to students who are new to the field of robotics.

14/ 07/2017 (Friday)

Highlights of the day:

- Introduction to the science, design, engineering and art of robotics.
- Mathematical modelling of robots.
- Smart materials and structures for robots.
- Demonstration.

15/07/2017 (Saturday)

Highlights of the day:

- Barriers in Robotics
- Getting Started With PIC Micro Controllers – Development Tools – Proteus Simulation– Programmers – Blinking a LED - Introduction to Single Board Computers - Getting Started With Raspberry Pi - Development Tools - Booting up Raspberry Pi - Developing Applications - Blinking a LED
- Actuators, Sensing & Manipulation
- Locomotion – Bionics - Power Source – 3D Printing
- Introduction to Various Embedded Modules