ABOUT OUR DEPARTMENT

The department of EEE started functioning from 1958 and provides three year full time Diploma program. It aims to provide high quality education and training, well in tune with developments in Electrical & Electronics Engineering and impart awareness about professional ethics, social responsibilities and sustainable development for serving the society.

VISION

"To achieve and impart quality education with an emphasis on practical skills and social relevance."

MISSION

- Provide high quality education and training, well in tune with current developments in Electrical & Electronics Engineering
- Impart awareness about professional ethics, social responsibilities and sustainable development for the society.

LOCATION

Kurampala in MC Road is the nearest main busstop to Mannam Nagar between Adoor and Pandalam. College is at distance 4.2 km from here Chengannur Railway Station is the nearest railway station to Kurampala.

https://maps.app.goo.gl/JguH5bdJSGvAD3wGA

ABOUT OUR INSTITUTION

N. S. S. Polytechnic College Pandalam is one of the oldest Grant-in-aid Polytechnic College, started by the legend BHARATHA KESARI PADMABHUSHAN MANNATHU PADMANABHAN under the banner of NAIR SERVICE SOCIETY, with a view to effect commendable changes in the field of technical education in the year 1958.

The institution started functioning with three basic courses in Engineering, viz, Civil, Mechanical and Electrical from 1958 onwards. Two more new branches Electronics & Communication and Computer Engineering were appended in the academic year 2000-2001. The N. S. S. Polytechnic College is one of the prestigious institutions in the state, bagging ranks and other awards both in curricular and co-curricular fields.

VISION

"To impart quality technical education and develop skilled technicians with social commitment."

MISSION

- Provide skill oriented training through institute-industry interaction to meet quality technical education.
- To strengthen academic practices in terms of faculty training.
- Enable the students to excel in their academic pursuits through life long learning.
- Inculcate the values of ethics and social responsibilities to develop as a nation builder.

TARGET PARTICIPANTS

Students from AICTE approved Polytechnic or Engineering colleges.

ELECTRICAL AND ELECTRONICS ENGINEERING ASSOCIATION

NSS POLYTECHNIC COLLEGE PANDALAM

KNOWLEDGE SUMMIT

"FROM CONCEPT TO CLARITY"

INTER COLLEGE SEMINAR COMPETITION

TOPIC : AUTOMATION AND THE FUTURE WORKFORCE

21 JAN 2026

10 AM

VENUE : COLLEGE AUDITORIUM

AUTOMATION

Automation in engineering branches such as Electrical, Mechanical, Electronics, Civil and Computer engineering involves the use machines, control systems, robotics, PLCs, and software to perform tasks with minimal human intervention. In Mechanical and Civil engineering, automation improves production speed, accuracy, and safety through robotic systems and automated machinery. In Electrical and Electronics engineering, it enables efficient power systems, smart grids, and industrial control using PLC and SCADA systems. In Computer engineering, automation supports software development, data processing, and intelligent systems through AI and machine learning. of
Its effect on the workforce includes reduced demand for repetitive manual jobs, but increased demand for skilled engineers who can design, operate, and maintain automated systems. Overall, automation transforms engineering jobs by shifting the focus from manual work to technical expertise.

OUTCOMES

- Enhance Knowledge: The seminar will open a discussion and provide participants with an understanding on automation.
- Social Development: Participants will develop analytical, creative and critical thinking and apply this knowledge in developing themselves into responsible citizens..
- Healthy mental debate: We have a work tradition that is following in our all areas of jobs. Also there is a strong fear of losing jobs due to automation. This seminar in some way can give you the original scenario of automation and there by enhance our level of thinking and perspective on the scenario.

ABOUT THE KNOWLEDGE SUMMIT

This seminar competition aims to upgrade academic, technical and personal skills of the students by encouraging in-depth study of subjects and technologies. The program enables the participants and audiences to gain professional exposure, teamwork experience and leadership qualities. Also it promotes a healthy academic culture that improve the overall reputation of the institution.

Join us for this exciting challenge that celebrates teamwork, and technical brilliance and win cash prizes.

FIRST PRIZE - 2500 ₹
SECOND PRIZE - 1500 ₹
THIRD PRIZE - 1000 ₹

A maximum of 10 teams are allowed to participate. Hurry....Register now

HOW TO PARTICIPATE

Scan this QR code to register for free

RULES FOR THE COMPETITION

- A team of 2 members of same branch can register for the programme.
- The seminar presentation should be strictly on the topic given and should be approved in advance by the organizing committee.
- Presentation must be in MS PowerPoint (PPT) format.
- A maximum of 20 slides are allowed including the introduction and index. The maximum time alloted per team is 30 minutes including the Q&A session
- A seminar abstract on brief (3 copies) should be given to the judges before the commencement of seminar.
- An active participation of all the participants in team is expected in the presentation.
- The mode of communication is expected to be in English and however in some scenario it can be changed to our mother tongue on the permission of the judges.
- The decision of the judges will be final and no provision for appeal is there.
- An e- certificate will be provided to all the participants of the seminar.

CONTACT US

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KNOWLEDGE SUMMIT 2026

"FROM CONCEPT TO CLARITY"