



SANKAR POLYTECHNIC COLLEGE

A GOVERNMENT AIDED, AUTONOMOUS INSTITUTION, Approved by AICTE & Affiliated to DoTE, Chennai

SANKARNAGAR - 627357, Tirunelveli



EXCITING PRIZES
TO
BE WON

18 SEP
2026



Department of Mechanical Engineering, IE (I) Students' Chapter & ISTE
association with Kudankulam Nuclear Power Project (KKNPP) organizes

A State Level Technical Symposium

NUCLEUS 2026

Theme: Powering Sustainable Innovation through
Engineering Excellence

GET READY
TO RAGE

TECHNICAL EVENTS

✓ Paper Presentation

Topics

- Sustainable Energy & Green Technologies
- Smart Manufacturing & Industry 4.0
- Artificial Intelligence & Digital Transformation

Last Date of Submission of Papers : 14.09.2026

✓ Technical Quiz

✓ CAD Modelling

NON-TECHNICAL EVENTS

✓ Treasure Hunt

✓ You Got TALENT

4 mins Open Talent Challenge

CASH PRIZE for

Paper Presentation

1st Prize – Rs. 2000

2nd Prize – Rs. 1500

3rd Prize – Rs. 1000

SEMINAR

- ✓ Seminar on Nuclear Energy & its recent technologies by Experts from KKNPP



EXHIBITION

- ✓ Nuclear Power Plant Model Exhibition



Staff Co-Coordinator

Mr. M. Mohamed Farook, Lect / Mech
Mr. R. Sundhara Vadivel, Lect / Mech

Student Co-ordinator

Mr. R. Harikaran, III Mech
Mr. S. Vijaya Karthikeyan, III Mech
Mr. A. Vimal Raj, II Mech
Mr. M. Sudharshan, II Mech

REGISTRATION

Register
before
14.09.2026



Scan QR Code

Email : spcmech58@gmail.com

HIGHLIGHTS



Certificates



Prizes for Winners



Great Networking Opportunities

For Queries Contact :
9159 232323

Chief Patrons

Shri. K. SHANKAR Correspondent

Patrons

Dr. A. SANKARA SUBRAMANIAN Principal
Mr. R. V. SRINIVASAN Administrative Officer

Convener

Mr. S. CHELLAPPA
HoD, Department of Mechanical Engineering, SPC

Co-ordinator

Dr. M. PONRAJAN VIKRAM
Lecturer, Department of Mechanical Engineering, SPC



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Department of Mechanical Engineering, IE(I) Students' Chapter, ISTE

in association with

Kudankulam Nuclear Power Project (KKNPP)

organizes

One Day State Level Symposium

NUCLEUS 2026

Theme: "Powering Sustainable Innovation through Engineering Excellence"

ABOUT THE SYMPOSIUM

NUCLEUS 2026 is a One-Day State Level Symposium organized by the IE(I) Students Chapter, Sankar Polytechnic College, in association with KKNPP.

The theme is "Powering Sustainable Innovation through Engineering Excellence." The symposium features technical and non-technical events, an expert seminar, and a Nuclear Power Plant Model Exhibition by KKNPP.

It promotes engineering knowledge, innovation, sustainable energy awareness, and industry-academia interaction.



ABOUT THE INSTITUTION

Sankar Polytechnic College was established in 1958 by Sri S. N. N. Sankarlinga Iyer, a renowned industrialist and philanthropist. The college has a long-standing legacy of technical education and skill development. It offers Diploma programmes in five major engineering disciplines. The institution provides well-equipped laboratories, workshops, and modern infrastructure. It focuses on practical skills, innovation, and professional competence.



ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in 1958 as a founding department of Sankar Polytechnic College. AICTE recognition was received in 1989-1990, and academic autonomy was granted in 1994. The department introduced a self-financing course in 2006. It has experienced faculty, modern laboratories, strong alumni, and industry linkages. The department focuses on outcome-based education and professional skill development.



ABOUT THE IE(I) STUDENTS CHAPTER

The Institution of Engineers (India) IE(I) is a premier professional body established in 1920. The IE(I) Students Chapter at Sankar Polytechnic College has been functioning since 2019. It organizes seminars, workshops, paper presentations, technical events, and industrial activities. The chapter enhances students' technical skills, innovation, and industry awareness.



ABOUT KKNPP

Kudankulam Nuclear Power Project (KKNPP), located in Tirunelveli, is India's largest nuclear power station. Developed by NPCIL with Russia's Atomstroyexport, it comprises six VVER-1000 reactors with a planned capacity of 6,000 MW. KKNPP provides reliable, low-carbon electricity and supports India's energy needs.

EVENTS



TECHNICAL EVENTS

- Paper Presentation
- Technical Quiz
- CAD Modelling



NON-TECHNICAL EVENTS

- Treasure Hunt
- YOU GOT TALENT – Open Talent Challenge



EXPERT SEMINAR

by Scientists / Engineers
from KKNPP



NUCLEAR POWER PLANT MODEL EXHIBITION

by KKNPP



WHO CAN PARTICIPATE?

Polytechnic students from institutions across Tamil Nadu.



EVENT DETAILS

Date : 18.09.2026
Venue : Sankar Polytechnic College,
Sankar Nagar, Tirunelveli
Time : 9.00 AM to 4.00 PM



REGISTRATION

Registration : Free
Last Date for Registration : 14.09.2026
Selection Intimation : 15.09.2026



FOR REGISTRATION

<https://forms.gle/SSkSPCmdbBHVd3HB6>



FOR REGISTRATION SUPPORT

9159232323



CASH PRIZES

(For Paper Presentation)

1st Prize : Rs. 2000
2nd Prize : Rs. 1500
3rd Prize : Rs. 1000

CONVENOR

Mr. S. Chellappa
Head of the Department,
Mechanical Engineering

PROGRAMME COORDINATOR

Dr. M. Ponrajan Vikram
Lecturer,
Mechanical Engineering

NUCLEUS 2026 – RULES & REGULATIONS

Theme: "Powering Sustainable Innovation through Engineering Excellence"



PAPER PRESENTATION

1. Open to Polytechnic students across Tamil Nadu; maximum 2 participants per team.
2. Papers must be original and based on one of the themes: Sustainable Energy & Green Technologies, Smart Manufacturing & Industry 4.0, Artificial Intelligence & Digital Transformation.
3. Submit a 100-word abstract and PPT to spcmeh58@gmail.com before 14.09.2026.
4. Selected participants will be informed on 15.09.2026.
5. Presentation time: 5 minutes + 2 minutes Q&A. Participants must report 30 minutes early and carry a backup in a pen drive.
6. Certificates will be provided.



TECHNICAL QUIZ

1. Open to Polytechnic students across Tamil Nadu, with a maximum of two participants per team.
2. The quiz covers engineering, emerging technologies, science, current developments, and the symposium theme. Electronic devices are not permitted.



CAD MODELLING

1. Open to Polytechnic students; the modelling task will be announced at the venue.
2. Participants must create the assigned model using the provided software within the specified time.



TREASURE HUNT

1. Each team shall have two participants and must solve all clues in sequence without cheating, damaging property, disturbing other events, or running in restricted areas.
2. The team completing the challenge correctly in the shortest time will be declared the winner.



YOU GOT TALENT (Open Talent Challenge)

1. Open to individual Polytechnic students; participants may present one talent such as dance, singing, mimicry, comedy, instrumental performance, poetry, storytelling, or other individual talents.
2. Each participant can perform only once and for a maximum of 4 minutes and must arrange their own costumes, instruments, props, and background music.
3. Performances must be appropriate for a college event. Vulgar or offensive content is prohibited. Judging will be based on talent, creativity, presentation, confidence, originality, and audience engagement.



EXPERT SEMINAR (by KKNPP)

1. The seminar by KKNPP scientists and engineers will provide insights into nuclear energy, power generation, safety, sustainability, and emerging technologies.
2. Participants are encouraged to actively engage in the interaction and Q&A session.



NUCLEAR POWER PLANT MODEL EXHIBITION (by KKNPP)

1. The exhibition will provide students with an opportunity to understand nuclear power generation, reactor technology, safety systems and sustainable energy production.
2. Exhibits, models and equipment must not be touched unless permission is given.
3. Students must maintain proper discipline around the exhibition area.



FOR REGISTRATION

<https://forms.gle/55k5PCmdbBHVd3HB6>



FOR REGISTRATION SUPPORT

9159232323

ORGANIZING COMMITTEE

CHIEF PATRON

Shri K. Shankar
Correspondent

PATRONS

Dr. A. Sankara Subramanian
Principal
Mr. R. V. Srinivasan
Administrative Officer

CONVENER

Mr. S. Chellappa
Head of the Department,
Mechanical Engineering

PROGRAMME COORDINATOR

Dr. M. Ponrajan Vikram
Lecturer,
Mechanical Engineering

PROGRAMME CO-COORDINATORS

Mr. M. Mohammed Farook
Lecturer, Mechanical Engineering
Mr. R. Sundhara Vadivel
Lecturer, Mechanical Engineering

STUDENT COORDINATORS

Mr. R. Harikaran, III Mech | Mr. S. Vijaya Karthikeyan, III Mech
Mr. A. Vimal Raj, II Mech | Mr. M. Sudharshan, II Mech