



# SANKAR POLYTECHNIC COLLEGE

A Government Aided, Autonomous Institution, Approved by AICTE &  
Affiliated to DoTE, Chennai.

SANKAR NAGAR – 627 357

## DEPARTMENT OF MECHANICAL ENGINEERING



**THE INSTITUTION OF ENGINEERS (INDIA) – IE (INDIA)**

003849 627357/SPTC

*The Institution of Engineers (India)*

is pleased to establish Students' Chapter at the

**Sankar Polytechnic College**  
Tirunelveli, Tamilnadu

Issued on : 13 Dec 2024  
Valid up to : 12 Dec 2025

SECRETARY & DIRECTOR GENERAL



# SANKAR POLYTECHNIC COLLEGE

A Government Aided, Autonomous Institution, Approved by AICTE &  
Affiliated to DoTE, Chennai.

SANKAR NAGAR – 627 357



## DEPARTMENT OF MECHANICAL ENGINEERING

The details of the membership enrolment in Professional Societies

Programme: Mechanical Engineering

Batch: 2024-2027

**SANKAR POLYTECHNIC COLLEGE (AUTONOMOUS), SANKAR NAGAR-627357**  
**IE(I) STUDENTS CHAPTER**  
**MECHANICAL ENGINEERING STUDENTS ENROLLMENT 2024-2025**

S.No	Name of the Student	Year of Study	Department	Membership No
1	ABDUL RAHUMAN S	1	MECH	627357SPC245101
2	ABISHEK M	1	MECH	627357SPC245102
3	AHAMED IRSHATH F	1	MECH	627357SPC245103
4	AKASH K	1	MECH	627357SPC245104
5	ARIBALAKRISHNAN M	1	MECH	627357SPC245105
6	ARUN KUMAR S	1	MECH	627357SPC245106
7	BALA GURU MOORTHY D	1	MECH	627357SPC245108
8	BALA VIGNESH B	1	MECH	627357SPC245109
9	BALAMURUGAN S	1	MECH	627357SPC245110
10	CHITHIRAI VIJAYAN R	1	MECH	627357SPC245111
11	DHARANI DHARAN N	1	MECH	627357SPC245112
12	ESAKKIMUTHU M	1	MECH	627357SPC245113
13	ESAKKIRAJ K	1	MECH	627357SPC245114
14	GOKULRAM M	1	MECH	627357SPC245115
15	HIDAYATHUR RAHMAN M N	1	MECH	627357SPC245116
16	JOTHI IYAPPAN M	1	MECH	627357SPC245117
17	KABILAN M	1	MECH	627357SPC245118
18	KARTHICK SELVAM M	1	MECH	627357SPC245119
19	LAKSHMANA PRAKASH K	1	MECH	627357SPC245120
20	MAHARAJA B	1	MECH	627357SPC245121
21	MANOJKUMAR A	1	MECH	627357SPC245122
22	MARI ESWAR M	1	MECH	627357SPC245123
23	MATHAN RAJ R	1	MECH	627357SPC245125
24	MATHESH BABU A	1	MECH	627357SPC245126
25	MOHAMEED BAZIL J	1	MECH	627357SPC245127
26	MOHAMMED AFRITH K	1	MECH	627357SPC245128
27	MUTHARASU S	1	MECH	627357SPC245129
28	MUTHU THANGAM M	1	MECH	627357SPC245130



# SANKAR POLYTECHNIC COLLEGE

A Government Aided, Autonomous Institution, Approved by AICTE &  
Affiliated to DoTE, Chennai.



SANKAR NAGAR – 627 357

## DEPARTMENT OF MECHANICAL ENGINEERING

29	MUTHUKUMAR A	1	MECH	627357SPC245131
30	MUTHUMARI B	1	MECH	627357SPC245132
31	MUTHUSELVAM V	1	MECH	627357SPC245133
32	PALANIBHARATHI R	1	MECH	627357SPC245134
33	PALRAJ A	1	MECH	627357SPC245135
34	PATTU RAJA P	1	MECH	627357SPC245136
35	PATTURAJA S	1	MECH	627357SPC245137
36	PETCHIMUTHU K	1	MECH	627357SPC245138
37	PRAKASH C	1	MECH	627357SPC245139
38	PRAMMA SAKTHIVEL E	1	MECH	627357SPC245140
39	RAJAN K	1	MECH	627357SPC245141
40	SABARI RAJ T	1	MECH	627357SPC245142
41	SAKTHIVEL M	1	MECH	627357SPC245143
42	SAM R	1	MECH	627357SPC245144
43	SANTHANA MARI M	1	MECH	627357SPC245145
44	SANTHOSH D	1	MECH	627357SPC245146
45	SATHISH M	1	MECH	627357SPC245147
46	SELVA M	1	MECH	627357SPC245148
47	SRINIVASH K	1	MECH	627357SPC245149
48	SURESH KUMAR S	1	MECH	627357SPC245150
49	VIGNESHKUMAR P	1	MECH	627357SPC245151
50	VIJAYA KARTHIKEYAN S	1	MECH	627357SPC245152
51	VISHNU DHARMA V D	1	MECH	627357SPC245153
52	VISHNU ESAKKI S	1	MECH	627357SPC245154
53	ESAKKI B	1	MECH	627357SPC245604
54	ESAKKI PANDI M	1	MECH	627357SPC245605
55	HARI RAM BABU S	1	MECH	627357SPC245607
56	KRISHNA M	1	MECH	627357SPC245608
57	LOGANATHAN N	1	MECH	627357SPC245609
58	MARIMUTHU S	1	MECH	627357SPC245612
59	MOHAMED ZAMEER A	1	MECH	627357SPC245613
60	NALLA SIVA E	1	MECH	627357SPC245616
61	PALANI MAHARAJAN M	1	MECH	627357SPC245617
62	PANDI SIVASAKTHI P	1	MECH	627357SPC245618
63	SANGEETH KUMAR K	1	MECH	627357SPC245621
64	SRINATH M	1	MECH	627357SPC245624
65	SUBASH S	1	MECH	627357SPC245625
66	THANGAMUTHU A	1	MECH	627357SPC245627
67	PETCHIAPPAN K	1	MECH	627357SPC245619
68	ARUL ANANTH V	1	MECH	627357SPC245603
69	ABISHEK R	1	MECH	627357SPC245601
70	ESAKKI MUTHU MARI M	1	MECH	627357SPC245606



# SANKAR POLYTECHNIC COLLEGE

A Government Aided, Autonomous Institution, Approved by AICTE &  
Affiliated to DoTE, Chennai.



**SANKAR NAGAR – 627 357**

## DEPARTMENT OF MECHANICAL ENGINEERING

71	AJAY P	1	MECH	627357SPC245602
72	MADHAN S	1	MECH	627357SPC245610
73	MURUGESH H	1	MECH	627357SPC245614
74	ROSHAN BHASKAR M S	1	MECH	627357SPC245620
75	MUTHU M	1	MECH	627357SPC245615
76	TAMILSELVAM K	1	MECH	627357SPC245626
77	SELVARAJU S	1	MECH	627357SPC245623
78	MAHARAJA M	1	MECH	627357SPC245611



# SANKAR POLYTECHNIC COLLEGE

A Government Aided, Autonomous Institution, Approved by AICTE &  
Affiliated to DoTE, Chennai.

SANKAR NAGAR – 627 357

## DEPARTMENT OF MECHANICAL ENGINEERING



**SANKAR POLYTECHNIC COLLEGE**  
(GOVT AIDED AUTONOMOUS INSTITUTION ESTD 1958)  
SANKARNAGAR - 627357, TIRUNELVELI

**INSTITUTION OF ENGINEERS (I) STUDENTS' CHAPTER &  
KUDANKULAM NUCLEAR POWER PROJECT (KKNPP), KUDANKULAM**

ORGANIZES  
**STATE LEVEL TECHNICAL SEMINAR & PAPER PRESENTATION**

**04<sup>th</sup> SEP 2024**  
**REGISTER NOW!**

**ATOM XNERGI 2k24**

**Seminar Topic**  
Sustainability of Nuclear Energy and Environment Challenges

**Paper Presentation Topics**

1. Nuclear Technology for Sustainable Future
2. IoT in the Energy Grid
3. Safety evaluation of power plant

**Prizes:**  
First Prize - Rs. 2000  
Second Prize - Rs. 1500  
Third Prize - Rs. 1000

**Registration:**  
<https://forms.gle/UmZe6YhhRvDCmaY67>

**PRINCIPAL**  
Dr. A. Sankara Subramanian. Ph.D

**Co-Ordinators**  
Mr. S. Chellappa. ME., MBA., MIE - 9442130116  
Dr. M. Ponrajan Vikram. Ph.D - 9159 232323

**Two Authors per paper**  
Maximum words : 2000 per paper  
Duration: 10 min  
Maximum number of Slides : 20  
Selection will be based on Originality & Clarity

**Send your Papers to**  
[spcmeh58@gmail.com](mailto:spcmeh58@gmail.com)

**Last Date for Submission: 30.08.2024**  
**Intimation of Selected Paper: 31.08.2024**

## ATOM XNERGI 2k24: A Successful State-Level Technical Seminar and Paper Presentation

Sankar Polytechnic College, Tirunelveli, successfully organized the state-level technical seminar and paper presentation event, ATOM XNERGI 2k24, on September 4, 2024. This collaborative initiative between the college's Institution of Engineers' Student Chapter and the Kudankulam Nuclear Power Plant Project (KKNPP) showcased the technical prowess of engineering students. The main aim of this seminar was to bring together students to exchange and share their experiences on Sustainability of Nuclear Energy and its Environment Challenges.



# SANKAR POLYTECHNIC COLLEGE

A Government Aided, Autonomous Institution, Approved by AICTE &  
Affiliated to DoTE, Chennai.

SANKAR NAGAR – 627 357

## DEPARTMENT OF MECHANICAL ENGINEERING



The inauguration ceremony started with a welcome address from Mr. S. Chellappa, Convener & Head. The event was graced by the presence of Mr. S. Muthukumar, District Science Officer, who inaugurated the Kudankulam Nuclear Power Plant operations exhibition. Mr. Prabhakar Kannan from KKNPP delivered the keynote address, providing valuable insights into the field. Other distinguished guests included Mr. Balasubramanian and Mr. Rangan from the Nuclear Power Plant. College officials, including Dr. A. Sankara Subramanian, principal, and Mr. Naseer Ahmed, head of department, delivered introductory speeches. Mr. Srinivasan, administrative officer, offered a felicitation address. Dr. R. Karthikeyan and Dr. S. Suresh Kumar served as judges for the paper presentations.

The Kudankulam Nuclear Power Plant operations exhibition, arranged in the Drawing Hall, attracted over 1000 attendees from various schools and polytechnic colleges. Mr. Balasubramanian and Mr. Rangan, members of the NPCIL committee, explained *Safety Against Natural Calamities* and *Types of Nuclear Reactors*. They also described the working concepts of nuclear reactors using a working model. The students enjoyed and gained valuable knowledge from the informative displays.



Over 250 students submitted papers on diverse topics, including *Nuclear Technology for a*



# SANKAR POLYTECHNIC COLLEGE

A Government Aided, Autonomous Institution, Approved by AICTE &  
Affiliated to DoTE, Chennai.

SANKAR NAGAR – 627 357



## DEPARTMENT OF MECHANICAL ENGINEERING

*Sustainable Future, IoT in the Energy Grid, and Safety Evaluation of Power Plants.* Fifty outstanding papers were selected for presentation, and more than 18 colleges participated in this prestigious state-level event. The paper presentations were held simultaneously in the AutoCAD Lab and PA Lab.

The valedictory function began with a thanksgiving speech by Dr. M. Ponrajan Vikram (Lecturer, Mechanical), followed by the honoring of the judges. Selvan Balasubramanian and Selvan Syed Mohamed Inyazz A.S. from Sankar Polytechnic College secured the first prize for their exceptional paper presentation. Jaithara and Harshini from Government Polytechnic College for Women, Madurai, claimed the second prize. The third prize was shared by students from M.S.P.V.L. Polytechnic College and Arasan Ganesan Polytechnic College. The session concluded with a vote of thanks by Selvan. Ashwin (Student Convener – III A Mechanical)



The event was expertly organized by Mr. S. Chellappa, Head of the Mechanical Engineering Department, and Dr. M. Ponrajan Vikram, Lecturer, Mechanical, with support from other faculty members.



With the support of the KKNPP management, the program was successfully completed. ATOM XNERGI 2k24 was a resounding success, providing a valuable platform for polytechnic students to showcase their research, learn from industry experts, and network with peers.



# SANKAR POLYTECHNIC COLLEGE

A Government Aided, Autonomous Institution, Approved by AICTE & Affiliated to DoTE, Chennai.

SANKAR NAGAR – 627 357

## DEPARTMENT OF MECHANICAL ENGINEERING

### MECHANICAL STUDENTS PARTICIPATION AND ACHIEVEMENTS



#### PAPER PRESENTATION:

S.No	Name of the Student	Year of Study	Event Name	Organized by	Duration
1	U.VIMAL KARTHIKEYAN	III	ATOM XNERGI 2K24	IE(I) Students' Chapter Sankar Polytechnic College.& KKNPP	04.09.2024
	M.THEENA MERWIN				
	S.SURYA				
	M.SHEIK MOHAMMED				
	K.SELVA VIGNESHWARAN				
	I.MUTHU SUDAR				
	N.RAMESH				
	N.SUDALAI MUTHU				



Latitude 8.79318277° Longitude 77.70940134° Local 04:23:23 PM GMT 10:53:23 AM Altitude 58 meters Date Wed, 04 Sep 2024  
1106, near the Sankar polytechnic college, kathiravan nagar, Thalaiyuthu, Tamil Nadu 627357, India  
Note : seminar



Latitude 8.79318277° Longitude 77.70940134° Local 04:23:14 PM GMT 10:53:14 AM Altitude 58 meters Date Wed, 04 Sep 2024  
1106, near the Sankar polytechnic college, kathiravan nagar, Thalaiyuthu, Tamil Nadu 627357, India  
Note : seminar