SANKAR POLYTECHNIC COLLEGE

SANKAR NAGAR – 625357

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

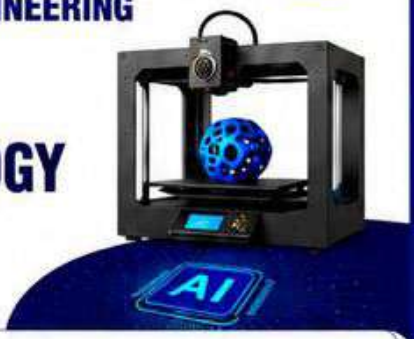
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ISTE - BNY MELLON SPONSORED

ONLINE FDP ON



ADVANCED DRONE TECHNOLOGY WITH 3D PRINTING AND MACHINE LEARNING



FDP DATES (Online Classes)
06.07.2026 to 11.07.2026

LAST DATE FOR REGISTRATION
03.07.2026

MODE
ONLINE
(Live Sessions)

FREE REGISTRATION
ONLINE REGISTRATION LINK
https://forms.gle/4VUTBdENT9dHP6tE7

ABOUT THE COLLEGE

Sankar Polytechnic College (SPC), established in 1958 by the India Cements Educational Trust, is one of the premier autonomous polytechnic institutions in Tamil Nadu. Sankar Polytechnic College was inaugurated by Shri K. Kamaraj, the then Chief Minister of Madras State, in 1958.

The institution offers Diploma programmes in Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, and Computer Engineering. With experienced faculty, well-equipped laboratories, modern infrastructure, strong industry interaction, and excellent placement opportunities, SPC is committed to developing skilled professionals with technical competence, ethical values, and leadership qualities.

SPC – A Legacy of Excellence in Technical Education Since 1958.

VISION OF THE INSTITUTE

To deliver holistic technical education of high standards that creates competent technocratic leaders of the future, from diverse backgrounds, who will power India to greater heights, and to combine with a holistic approach for the development of character and skills of students.

MISSION OF THE INSTITUTE

- To achieve and realize our Vision by
- Providing a conducive academic environment to our students that promotes creativity, nurtures hidden talents and develops self-confidence
- Maintaining high level of academic standards by keeping abreast of newer technologies and tools in both teaching and communication
- Providing quality education to impart basic engineering knowledge commensurate with a diploma level qualification
- Taking efforts to prepare students to be 'Industry-ready' at the time of leaving our college
- And to achieve the above without any compromise to our core values of Honesty, Sincerity, Dedication, Trust & Excellence

VISION OF THE DEPARTMENT OF EEE

To create competent technocrats from diverse backgrounds through world-class holistic technical education in electrical engineering, for the development of students character and skill and promoting the success of our nation.

MISSION OF THE DEPARTMENT

- To nurture the students creativity, hidden skills and personality development by providing expedient education and enabling them to make positive impact on the society.
- To create the students to work effectively in diverse conditions by maintaining high level academic standards through our core values of honesty, dedication and excellence.
- To explore various engineering techniques to enhance quality of education for students through innovative teaching learning methodology.

OBJECTIVES OF THE FDP

- To provide knowledge on advanced drone technologies and their applications.
- To impart hands-on exposure in 3D printing for product development.
- To explore the integration of Machine Learning in real-world engineering applications.
- To enhance research orientation and technical skills of faculty members.
- To promote interdisciplinary learning and innovation.

TOPICS OF THE FDP

- Introduction to Advanced Drone Systems and Applications
- Drone Design, Modelling and Simulation
- Sensors and Control Systems in Drones
- 3D Printing – Fundamentals and Materials
- 3D Modelling and Printing for Engineering Applications
- Machine Learning – Concepts and Algorithms
- Machine Learning Applications in Drone Systems
- Data Acquisition, Processing and Analysis
- Case Studies and Industry Applications
- Hands-on Sessions and Mini Project
- Future Trends and Research Opportunities

RESOURCES PERSONS (EXPERTS)

1. **Dr. V. ARUL MOZHI SELVAN**
   PROFESSOR IN THE DEPARTMENT OF MECHANICAL ENGINEERING
   NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI (NIT TRICHIRAPPALLI)
2. **Dr. VELMURUGAN**
   ASSISTANT PROFESSOR, HEAD OF THE DEPARTMENT
   MECHANICAL ENGINEERING
   INDIAN INSTITUTE OF INFORMATION TECHNOLOGY TIRUCHIRAPPALLI
   SETHURAPPATTI, TIRUCHIRAPPALLI – 620012, TAMIL NADU, INDIA.
3. **Dr. J R JESSY MICHLA**
   ASSOCIATE PROFESSOR, DEPARTMENT OF AERONAUTICAL ENGINEERING,
   KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION
4. **Dr. MURALIRAJ A RAJARAMAN**
   ASSOCIATE PROFESSOR (RESEARCH) & ASSOCIATE DEAN (INTERNATIONAL AFFAIRS),
   VELS INSTITUTE OF SCIENCE TECHNOLOGY AND ADVANCES STUDIES, CHENNAI, INDIA.
5. **Dr. R. NAFFEENA MUNAF**
   ASSISTANT PROFESSOR,
   DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING,
   VILLA COLLEGE, MALDIVES.
6. **Dr. SHANKAR A**
   ASSOCIATE PROFESSOR & RESEARCH CONSULTANT (EV LAB),
   DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING,
   K J COLLEGE OF ENGINEERING, PUNE, MAHARASHTRA, INDIA.
7. **Dr. A. JUSTIN DIRAVIAM**
   PROFESSOR IN ARTIFICIAL INTELLIGENCE AND DATA SCIENCE,
   DHANALAKSHMI SRINIVASAN UNIVERSITY,
   SAMAYAPURAM, TIRUCHY, TAMIL NADU, INDIA.
8. **Mr. SONNET XAVIER PMP.**
   LIEUTENANT COMMANDER (RETD), INDIAN NAVY & PROJECT MANAGER,
   AEROSPACE AND DEFENCE AT CIRCOR-HALE HAMILTON,
   MILITARY VETERAN, COIMBATORE, TAMIL NADU, INDIA.
9. **Mr. KANNAN R. KRISHNASAMY**
   DRONE PILOT, UBIFY TECHNOLOGIES PVT LTD,
   CHENNAI, TAMIL NADU, INDIA.
10. **Mr. N. SURESH KUMAR**
    FOUNDER & CHAIRMAN, 360 GROUPS OF COMPANIES,
    BHARATHY AEROSPACE PVT LTD, TAMIL NADU, INDIA.
11. **Mr. MATHAVAN R K V**
    DIRECTOR, A-SUN TECHNOLOGIES, LICENSED DRONE PILOT.
    TIRUCHIRAPPALLI, TAMIL NADU, INDIA.
12. **Dr. A.T. SANKARA SUBRAMANIAN**
    PROFESSOR AND HEAD, DEPARTMENT OF ELECTRICAL AND
    ELECTRONICS ENGINEERING, K. RAMAKRISHNA COLLEGE OF
    TECHNOLOGY, SAMAYAPURAM, TIRUCHIRAPPALLI, TAMIL NADU, INDIA.

CHIEF GUEST

SMT. S. SWEET ANNIE GRACE
Designation: Division Head
MTID, IPRC,
Mahendragiri, Tamil Nadu

PATRON

Dr. A. SANKARA SUBRAMANIAN
PRINCIPAL

CONVENOR

Mr. I. SARAVANAN
HoD / EEE

CO-ORDINATOR

Mrs. S. PRIYADHARSINI
LECTURER / EEE

CO-COORDINATOR

Mrs. V. VIMALA
LECTURER / EEE

ORGANISERS

Mrs. P. NAGALAKSHMI KANNA
LECTURER / EEE
&
Mr. A. GUNA
LECTURER / EEE

REGISTRATION AND HELP DESK

Ms. S.R. JEYARANJITHAM
Mr. V. KARKUVEL
Mr. A. ARUNMUTHARASU
Mr. C. RAJKUMAR
Mr. M. AYYAPASELVAM

TECHNICAL SUPPORTING TEAM

Mr. M. SRIBALAJI
Mr. V. SUDHAKAR
Mr. J. THIRUVENKATA VARATHACHARI
Mr. S. KANNAN



EQUERIES CONTATES WILL BE PROVIDED TO ALL PARTICIPANTS ON SUCCESSFUL COMPLETION

LIMITED SEATS ONLY!
REGISTER NOW!

WHO CAN PARTICIPATE?
Faculty Members, Research Scholars & Industry Participants

LET'S EXPLORE THE FUTURE – INNOVATION, INTEGRATE & INSPIRE