

ABOUT THE INSTITUTION

P.S.R. Engineering College was established in 1999 by the P.S. Ramasamy Telugu Minority Educational and Charitable Trust with the objective of imparting quality technical education in the rural part of South Tamil Nadu. The College is currently celebrating its Silver Jubilee year. It is an Autonomous Institution affiliated to Anna University, Chennai, offering 9 undergraduate and 5 postgraduate programs in Engineering, as well as an MBA Program. The College holds accreditation from NAAC with an A+ Grade. Additionally, four of its programs are accredited by NBA under Tier-I. Seven departments of the College offer Ph.D. programs under Anna University. 50 candidates have completed Ph.D. degrees from the College, while more than 88 candidates are currently pursuing Ph.D. The College has been granted 18 patents and has filed more than 120 patent applications.

THEMES

- 5G and Beyond
- VLSI and Embedded Systems
- AI and ML in Signal Processing
- Wearable and Flexible Electronics
- Automotive Electronics, Quantum Computing
- Internet of Things (IoT), Wireless Networks
- Smart Grids & Microgrid, Power Electronics
- Electric Vehicle Technology, Energy Storage Systems
- Power Quality Improvement
- Control Strategies in Power Systems
- IoT Applications in Power Systems
- Renewable Energy Integration
- Machine learning for Vision and Language Understanding
- Cognitive Robotics
- AR/VR in Agriculture Engineering,
- Visualization and Image Processing for Cyber Security
- Biomedical image processing, Bioprinting,
- Biomaterials, Medical information systems
- Implantable and wearable device
- Healthcare software development
- Advancements in Rehabilitation
- Robotics and Telesurgery, Tissue Engineering
- Green building materials
- Building Information Modelling (BIM)
- 3D Printing Technology in Construction
- Artificial Intelligence in Manufacturing
- Robotics in Construction & Manufacturing
- Smart Manufacturing and Industry 4.0
- Metamaterials, Engineering Design

ABOUT ISTE

The Indian Society for Technical Education (ISTE) is the leading National 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 and overall development of our Technical Education System. Being the only national organisation of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Central Government. The strength of ISTE is the strong base it has in technical education institutions in the country. At present, ISTE has a very huge membership of more than 128500 technical teachers, 535000 student members, more than 2740 institutional members (including IITs, IISc., NITs and other leading technical institutions), 1414 faculty chapters and 1505 students' chapters at National level and 19 Sections at State Level. The major objective of the ISTE is to provide quality training programmes to teachers and administrators of technical institutions to update their knowledge and skills in their fields of activity and to assist and contribute in the production and development of top quality professional engineers and technicians needed by the industry and other organisations. It organizes an annual convention for faculty and students separately every year where a large number of technocrats, technical teachers, policy makers, experts from the industry and academic. participate and interact. ISTE is actively involved in many activities conducted by All India Council for Technical Education New Delhi (AICTE) and National Board of Accreditation New Delhi (NBA). ISTE is having collaboration and MoUs with government organisations and various Universities for the promotion of technical education system in the country.

ABOUT THE CONVENTION

The 22nd Annual ISTE Tamilnadu Section Engineering Student's Convention is a forum for the exchange of scientific and technical innovative concepts and the role of students in shaping them towards excellence. The convention provides a conducive ambience for both academic and industry to discuss technical advancements and to propagate innovation towards further evolution. Also, it facilitates academicians, comprises several technical events for the Engineering Students and thus brings them together a common workspace to converse and encourage their expertise for knowledge enhancement and for activation to meet the global needs.



P.S.R. Engineering College

*An Autonomous Institution,
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai.
Accredited by NBA & NAAC with A+ Grade, and Listed under
section 2(f) & 12(B) of UGC Act, 1956
An ISO 9001:2015 Certified Institution*

INDIAN SOCIETY FOR TECHNICAL EDUCATION TAMILNADU SECTION

22ND ANNUAL ISTE TAMILNADU SECTION ENGINEERING STUDENT'S CONVENTION ON



EMERGING TRENDS IN ENGINEERING & TECHNOLOGY

03, May 2024
(Friday)



Event: Project Presentation

Rules:

A team must comprise of not more than 3 members.

The team should bring their ID card.

Members of a team can be either from same or different Institutions.

The project or start-up idea has to be recommended by the head of the Institute/Department.

Total Timing for project presentation – 10 Minutes

(Presentation (7min) + Query session (3 min))

The projects should be focused on the following key parameters:

- Innovation
- Societal contribution
- Technology Adopted
- Cost Incurred
- Commercial Implications

Event : Paper Presentation

Rules:

A team may consist maximum 3 members

The team should bring their ID card. Total timing:

10 minutes

(Presentation: 8 minutes and query: 2 minutes).

Paper should be in IEEE format.

Event : Workshop

Augmented Reality/Virtual reality

MAT LAB

Non Destructive Testing

Introduction to GENERATIVE AI AND ITS APPLICATION

BIM from design to construction

Rudiments on Medical Equipment

Amazon Web Services

(AWS) Cloud Practitioner

Event : QUIZ

Rules:

Registration is mandatory for the participants.

Time constraints will be strictly followed.

Participants are not allowed to use mobiles, calculators or other electronic gadgets during the event.

Those are being qualified in the prelims round will be selected for the subsequent round.

Round 1: preliminary round (10Min)

Round 2: Personality Identification (20Min)

Round 3: Rapid fire round (5 – 10 Min)

ALL ARE WELCOME

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P. Manoj Prabhakaran / II CSE

S. Mukesh Kanna / III EEE

R. Sathish Kumar / III Civil

V. Manojkumar/ III Mech

Fee for ISTE Members

Rs.200/-

Non - ISTE Members

Rs.300/-

Registration Details

Registration Link : <https://forms.gle/ybTGwkUshpqoMJU5A>

Payment through Account No.

Account No: 815210110003825

Name of the Account Holder:

ISTE STUDENT CHAPTER PSR ENGG COLLEGE

Name of the Bank : Bank of India

Name of the Branch: PSREC

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Payment through QR Code QR Scanner



CONTACT US

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9043666657, 8248610227



Exciting prizes
For

Best Paper & Best Project



Accommodation
Available on
demand

EVENTS
PAPER PRESENTATION
PROJECT CONTEST
WORKSHOP
QUIZ

Last date
for registration
26/04/24