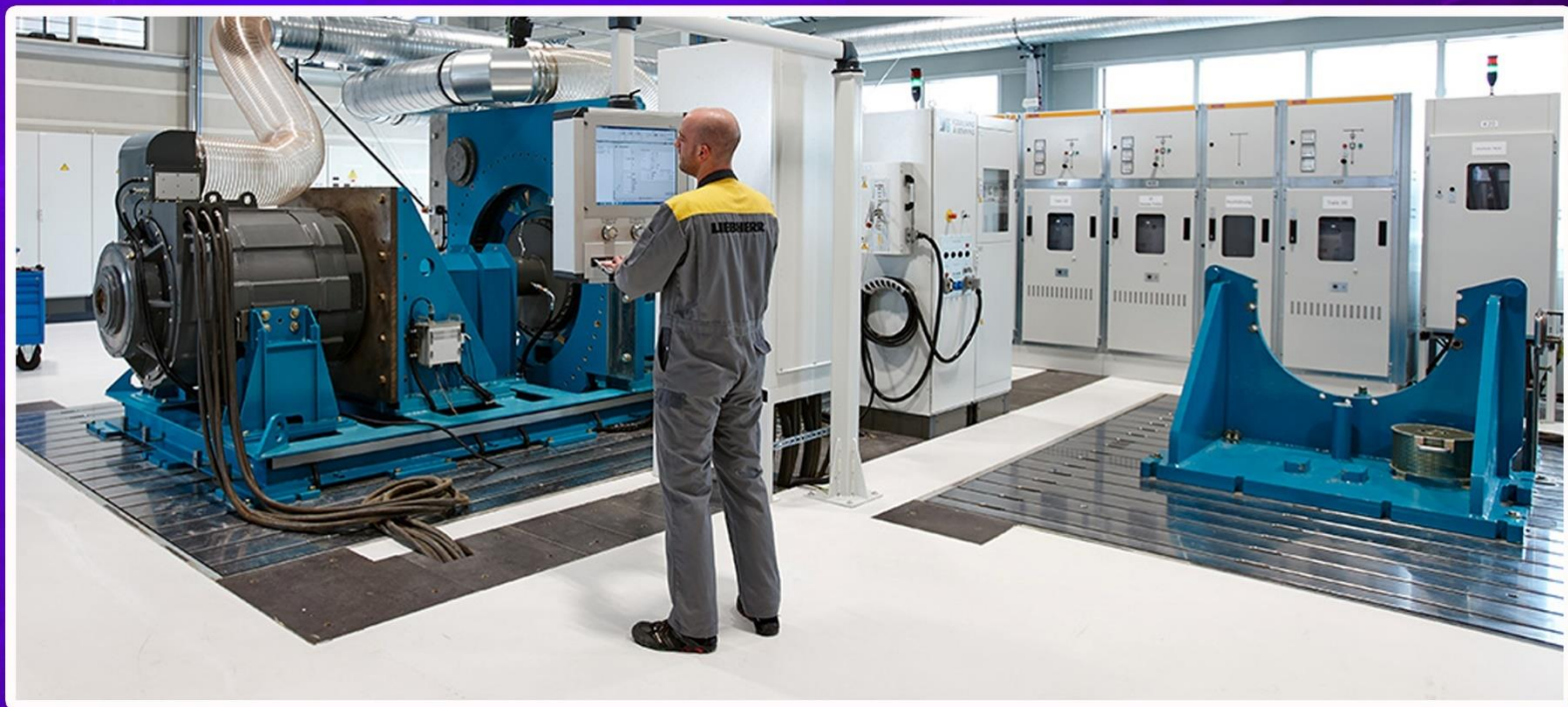


# GNAN ELECTRA TIMES

Department of Electrical and Electronics Engineering



## Inside this issue:

- Achievements/Awards/Honours
- Paper Publication in Journal Paper
- Publication in Conference
- FDP/Seminars/Workshops Attended
- Organized Events
- Paper /Project Presentations

## Editorial Board:

- Dr.J.CHANDRAMOHAN HOD/EEE
- Mrs.P.PUSHPARANI AP/EEE

## Students Coordinators:

- DEEPADHARSHINI S
- HARISH G
- NITHIYANANTHAM R
- MEISURYA S
- MAGESHWARI M
- PRADEEP B

NEWS LETTER

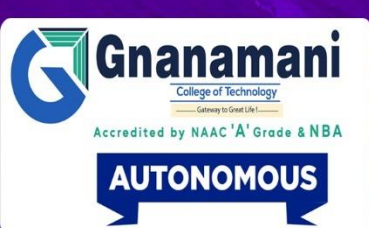
Volume 12 Issue 1 December 2024

**Gnanamani College of Technology**

Accredited by NAAC 'A' Grade and NBA

NH-7, A.K.Samuthiram, Pachal-PO, Namakkal-637 018, Tamil Nadu.

[www.gct.org.in](http://www.gct.org.in)



## **GNYANAMANI EDUCATIONAL INSTITUTIONS**

Gnyanamani Educational Institutions that have carved a niche for itself in the field of engineering education within a very short span of time. Gnanamani College of Technology which was established in the year 2006, the group comprises of Gnanamani College of Education, established in the year 2005.

Gnanodaya CBSE International School was established in the year 2015. These Institutions serve under the aegis of The Christian Educational Development Trust.

Gnyanamani Educational Institutions were established in a well-planned campus with a green environment. The Colleges are spread on a sprawling 60 acres of serene land. The Colleges are easily accessible from all major cities by road and railway networks.

These Institutions have emerged as a pioneer venture in the field of Technical Education. Dr.T.Arangannal – a Rashtria Vidhya Saraswathi Puraskar Awardee is the Chairman and Mrs.P.Malaleena is the Chairperson of the Educational Institutions.

## **GNANAMANI COLLEGE OF TECHNOLOGY**

Gnanamani College of Technology is a leading Institution with state-of-the-art facility. The college is affiliated to Anna University and Autonomous approved by AICTE.

The institution is rendering noble service to the youths in rural and urban areas.

The college is accredited by the NAAC and NBA (CSE, ECE, EEE, and Mechanical). The college has grown in a short span of 15 years with 12 UG Courses namely Agricultural, Artificial Intelligence and Data Science, Bio-Medical, Biotechnology, Chemical, Computer Science, Electrical and Electronics, Electronics and Communication, Food Technology, Mechanical, Information Technology and Pharmaceutical Technology.

The Institute also offers 9 PG courses in Computer Science, Construction Engineering and Management, Environmental Engineering, Embedded System Technology, Power Electronics and Drives, Industrial Engineering, VLSI Design, BME, MBA and MCA.

## **INSTITUTE VISION**

- Emerging as a technical institution of high standard and excellence to produce quality Engineers, Researchers, Administrators and Entrepreneurs with ethical and moral values to contribute the sustainable development of the society.

## **INSTITUTE MISSION**

We facilitate our students

- To have in-depth domain knowledge with analytical and practical skills in cutting edge technologies by imparting quality technical education.
- To be industry ready and multi-skilled personalities to transfer technology to industries and rural areas by creating interests among students in Research and Development and Entrepreneurship.

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

The Electrical and Electronics Engineering Department was started in the year 2006 and accredited by NBA in 2019. It offers B.E. with 60 student intake, M.E. – PED, M.E.—EST and Ph.D.in Full time and Part time modes. The department has 12 Curriculum Laboratories and 2 Industry supported labs providing 8 Value added courses and a Centre of Excellence – IOT Laboratory. Anna University recognized Research & Development Centre with 2 Ph.D., Supervisors and 4 Doctorates is fully functioning in the department since 2015. The faculty of the department have published more than 190+ reputed journal publications, 4 Patents and have received a project grant of 15 Lakh. The Department has 2 Professional Societies namely ISTE and IEI.

The Department of Electrical and Electronics Engineering (EEE) is committed to excellence in teaching, learning, research, and innovation. The department offers a strong academic foundation combined with practical exposure in emerging areas such as power systems, power electronics, electric vehicles, renewable energy, control systems, embedded systems, IoT, and VLSI. With well-qualified faculty, modern laboratories, and industry interaction, the department strives to produce competent engineers with professional ethics and social responsibility.

## **VISION**

- Providing quality education for the sustainable development in the field of Electrical and Electronics Engineering to meet the global standards and to produce socially responsible engineers with ethical and moral values.

## **MISSION**

- Imparting the quality technical education through state of the art infrastructure and modern tools.
- Making the students as professionals with ethical values, economical, ecological and social upliftment.
- Extending the sustainable knowledge through research and entrepreneurship for the benefits of humanities.

## **PROGRAM EDUCATIONAL OBJECTIVES**

### **Graduates of Electrical and Electronics Engineering will**

PEO-1: Have strong foundation in mathematics, science, and engineering fundamentals and advanced concepts towards their successful career in industries, research and entrepreneur.

PEO-2: Analyze, design and implement various electrical, electronics and interdisciplinary projects, addressing the industrial and social needs.

PEO-3: Have effective communication and leadership skills with ethical values.

## **PROGRAM SPECIFIC OUTCOMES**

### **Graduates of the program will be able to**

PSO-1: Attain in-depth knowledge and design skills in Electrical Power Systems, Electrical Drives, Power Electronics and Control, Electronics and Digital Electronics.

PSO-2: Acquire specialized skills in Solar Power Applications, High Voltage Engineering and competency for competitive examinations.

## PROGRAM OUTCOMES

### **Engineering knowledge:**

Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems

### **Problem analysis:**

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

### **Design/development of solutions:**

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations.

### **Conduct investigations of complex problems:**

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

### **Modern tool usage:**

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

### **The engineer and society:**

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

### **Environment and sustainability:**

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

### **Ethics:**

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

### **A Individual and team work:**

Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

### **Communication:**

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

### **Project management and finance:**

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

### **Life-long learning:**

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## PROGRAM ORGANIZED BY DEPARTMENT

Department of Electrical and Electronics Engineering organized a Guest Lecture entitled “Recent trends in Power Converter Design” on 23.08.2024. The Resource Person for this Event was Mr.Pozhilan.C Electrical Engineer, E-Vehicles & Charges, Ashok Leyland, Chennai.



Department of Electrical and Electronics Engineering organized a Value Added Training entitled “Mastering PCB design: A Hands on Training Workshop” on 02.09.2024. The Resource Person for this Event was Dr.M.Vijayakumar, Managing Director, Indiguard Systems PVT Ltd, Tanjore.

Department of Electrical and Electronics Engineering organized a Seminar entitled “Recent trends in Electric Vehicle Technology” on 04.10.2024. The Resource Person for this Event was Mr.R.Aravindh, Assistant Professor/ EEE, Kongu Engineering College, Erode



Department of Electrical and Electronics Engineering organized a Webinar entitled “Recent Trends in Smart Grid” on 22.10.2024. The Resource Person for this Event was Dr.D.Lakshmi, Professor/EEE, AMET University, Chennai.



Department of Electrical and Electronics Engineering organized a Guest Lecture entitled “Agile Methods for Software and System Development” on 26.10.2024. The Resource Person for this Event was Mr.Sivaraman Venkataraman, System Process Architect, Bosch Software Global Solution, Bangalore.

Department of Electrical and Electronics Engineering organized a Seminar entitled “Recent Trends in SQL Server” on 20.11.2024. The Resource Person for this Event was Ms.Anbarasi Santhosh, Senior Software Engineer, Jilaba Software Services Private Limited, Chennai.



## **NATIONAL LEVEL TECHNICAL SYMPOSIUM**

The Department of Electrical and Electronics Engineering & Electronics and Communication Engineering have jointly organized a National Level Technical Symposium "GNYAN ELECTRACOMMUNIX" On 09.10.2024. The Chief Guest was Dr. K. Udhayakumar, M.E., Ph.D., Professor of EEE & Former Deputy Director (CUIC), Anna University, Chennai. The inauguration marks a momentous beginning with the dignified presence of Chairman Dr.T.Arangannal presided over the function. Dr.P.Premkumar, CAO; Dr.T.K.Kannan, Principal; Dr.B.Sanjay Gandhi, Director-Academics offered Felicitation. Dr.K.Chandramohan, Vice Principal (Administration); Dr.J.Chandramohan Head of Electrical and Electronics Engineering & Dr.R.Prabhu, Head of Electronics and Communication Engineering, Professors, Faculty members and students of both departments were present on the occasion.





**Gnanamani**  
College of Technology  
Accredited by NAAC 'A' Grade & NBA  
**AUTONOMOUS**

Association of Electrical and Electronics Engineering and  
Electronics and Communication Engineering  
**13<sup>th</sup> NATIONAL LEVEL TECHNICAL SYMPOSIUM**  
**GNYAN ELECTRACOMMUNIX**

**Participants**

- 09.10.2024 (Wednesday)**
- 10:00 AM**
- Michael Faraday Hall**



**Chief Guest**  
Dr.K.Udhayakumar,M.E., Ph.D.,  
Professor/EEE,  
Former Deputy Director (CUIC),  
Anna University,  
Chennai.

## STUDENT ACTIVITIES

### Students Paper Presentation

S.No	Student Name	Year / Sem	Date	Organizing Institution
1.	R.B.Moulish	II/III	30.08.2024	Salem college of engineering and technology
2.	M.Thirukkokaran	II/III	01.10.2024	Annapoorana Engineering College
3.	S.Dravid	II/III	01.10.2024	Annapoorana Engineering College
4.	A.Santhoshkumar	II/III	01.10.2024	Annapoorana Engineering College
5.	C.Ravi Shankar	II/III	01.10.2024	Annapoorana Engineering College
6.	M.Dhinesh Kumar	III/V	25.10.2024	Salem college of engineering and technology
7.	K.Sridhar	III/V	25.10.2024	Salem college of engineering and technology
8.	M.Ramkumar	III/V	25.10.2024	Salem college of engineering and technology
9.	J.M.Anishwer	III/V	25.10.2024	Salem college of engineering and technology
10.	P.Kanishkar	III/V	25.10.2024	Salem college of engineering and technology
11.	M.Vimal	III/V	25.10.2024	Salem college of engineering and technology
12.	C.Priya	III/V	28.10.2024	Salem college of engineering and technology
13.	T.Kiruthika	III/V	28.10.2024	Salem college of engineering and technology

**Seminars / Workshops Attended**

S. No.	Student name	Year/Sem	Date	Organized Institution & Venue
1.	Meisurya.S	III/V	19.09.2024	Sona College Of Technology, Salem
2.	Kabilesh.S	III/V	19.09.2024	Knowledge Institute Of Technology, Salem
3.	Kavinesh.T	III/V	19.09.2024	Knowledge Institute Of Technology, Salem
4.	Nithiyanantham.R	III/V	19.09.2024	Selvam College Of Technology, Namakkal
5.	Harish.R	III/V	19.09.2024	Selvam College Of Technology, Namakkal
6.	Gokul.C	IV/VII	18.09.2024 To 20.09.2024	Selvam College Of Technology, Namakkal
7.	Dhinesh Kumar.V	IV/VII	18.09.2024 To 20.09.2024	Selvam College Of Technology, Namakkal
8.	Dhinesh Kumar.M	III/V	30.09.2024	Selvam College Of Technology, Namakkal
9.	Gokul.A	III/V	30.09.2024	Selvam College Of Technology, Namakkal

**Other Events**

S. No.	Student Name	Year / Sem	Date	Organizing Institution
1.	R.Gokul Sengutuvan	II/III	30.08.2024	Salem college of Engineering and technology
2.	P.Gokulnath	II/III	30.08.2024	Salem college of Engineering and technology
3.	T.Theevanan	III/V	20.09.2024	RBI QUIZ
4.	A.Dhanushkumar	III/V	20.09.2024	RBI QUIZ
5.	K.Dhanush	III/V	20.09.2024	RBI QUIZ
6.	R.Gokul Sengutuvan	II/III	01.10.2024	Annapoorana Engineering College
7.	V.Kireet Kishore	II/III	01.10.2024	Annapoorana Engineering College
8.	R.Ganapathi	III/V	01.10.2024	Annapoorana Engineering College
9.	M.Dhinakaran	III/V	01.10.2024	Annapoorana Engineering College
10.	V.Kireet Kishore	II/III	01.10.2024	Annapoorana Engineering College
11.	R.Ganapathi	II/III	01.10.2024	Annapoorana Engineering College
12.	K.Dhanush	II/III	01.10.2024	Annapoorana Engineering College
13.	S.Bharathiraja	III/V	01.10.2024	Annapoorana Engineering College

S. No.	Student Name	Year / Sem	Date	Organizing Institution
14.	A.Bharathraj	III/V	01.10.2024	Annapoorana Engineering College
15.	R.Gokul Sengutuvan	II/III	01.10.2024	Annapoorana Engineering College
16.	A.Dhanushkumar	III/V	01.10.2024	Annapoorana Engineering College
17.	M.Dhinakaran	III/V	01.10.2024	Annapoorana Engineering College
18.	V.Kireet Kishore	II/III	01.10.2024	Annapoorana Engineering College
19.	R.Suji	II/III	15.07.2024	Vidiyal Educational Trust
20.	M.Thirukokaran	II/III	15.07.2024	Vidiyal Educational Trust
21.	S.Dravid	II/III	15.07.2024	Vidiyal Educational Trust
22.	R.Gokula Senguttuvan	II/III	15.07.2024	Vidiyal Educational Trust
23.	A.Santhoshkumar	II/III	15.07.2024	Vidiyal Educational Trust
24.	S.Monasri	III/V	15.07.2024	Vidiyal Educational Trust
25.	A.Dhanushkumar	III/V	15.07.2024	Vidiyal Educational Trust
26.	A.Dhanushkumar	III/V	15.07.2024	Vidiyal Educational Trust
27.	A.Dhanushkumar	III/V	15.07.2024	Vidiyal Educational Trust
28.	R.Dhinesh	II/III	15.07.2024	Vidiyal Educational Trust
29.	R.Priyadarshini	III/V	15.07.2024	Vidiyal Educational Trust
30.	P.Indhu	III/V	15.07.2024	Vidiyal Educational Trust
31.	M.Swetha	III/V	15.07.2024	Vidiyal Educational Trust
32.	C.Gokul	IV/VII	15.07.2024	Vidiyal Educational Trust
33.	V.Dineshkumar	IV/VII	15.07.2024	Vidiyal Educational Trust
34.	S.Dravid	II/III	15.07.2024	Vidiyal Educational Trust
35.	G.Jeeva	II/III	15.07.2024	Vidiyal Educational Trust
36.	R.Arun	II/III	15.07.2024	Vidiyal Educational Trust
37.	A.Ari Krishnan	II/III	15.07.2024	Vidiyal Educational Trust
38.	R.Surya	II/III	15.07.2024	Vidiyal Educational Trust
39.	K.Dhanush	III/V	15.07.2024	Vidiyal Educational Trust
40.	R.Dhivyabharathi	III/V	15.07.2024	Vidiyal Educational Trust
41.	A.Anisha	III/V	15.07.2024	Vidiyal Educational Trust
42.	K.Devika	III/V	15.07.2024	Vidiyal Educational Trust
43.	K.Vishnupriya	IV/VII	15.07.2024	Vidiyal Educational Trust
44.	P.Lakshmi pathi	IV/VII	15.07.2024	Vidiyal Educational Trust

## **Project Presentation Details**

S. No.	Student Name	Year / Sem	Date	Organizing Institution
1.	Bharathiraja.S	III/V	01.10.2024	Annapoorana Engineering College
2.	Dhanush.K	III/V	01.10.2024	Annapoorana Engineering College
3.	Bharathraj.A	III/V	01.10.2024	Annapoorana Engineering College
4.	Dhanushkumar.A	III/V	01.10.2024	Annapoorana Engineering College

## **Internship Training**

Sl. No.	Student Name	Duration (Days)	Title	Company Name
1	A.Dhanushkumar	5 DAYS	IOT	WAAFE ARROW, Rasipuram
2	S.Bharathiraja	5 DAYS	IOT	WAAFE ARROW, Rasipuram
3	A.Bharathraj	5 DAYS	IOT	WAAFE ARROW, Rasipuram
4	K.Dhanush	5 DAYS	IOT	WAAFE ARROW, Rasipuram
5	T.Kiruthika	5 DAYS	IOT	WAAFE ARROW, Rasipuram
6	K.Devika	5 DAYS	IOT	WAAFE ARROW, Rasipuram
7	C.Priya	5 DAYS	IOT	WAAFE ARROW, Rasipuram

## **Inplant Training**

Sl. No.	DATE	Student Name	Duration (Days)	Company Name
1.	23.09.2024 - 28.09.2024	Harish.R	6 Days	Power Grid Corporation of India Limited
2.	23.09.2024 - 28.09.2024	Meisurya.S	6 Days	Power Grid Corporation of India Limited
3.	23.09.2024 - 28.09.2024	Nithyanantham.R	6 Days	Power Grid Corporation of India Limited
4.	23.09.2024 - 28.09.2024	Bharathi Raja.S	6 Days	Power Grid Corporation of India Limited
5.	23.09.2024 - 28.09.2024	Bharathraj.A	6 Days	Power Grid Corporation of India Limited
6.	13.08.2024 - 19.08.2024	Theevanan.T	7 Days	Tamilnadu Electricity Board (TNEB)
7.	13.08.2024 - 19.08.2024	Rajesh.R	7 Days	Tamilnadu Electricity Board (TNEB)
8.	13.08.2024 - 19.08.2024	Ramkumar.M	7 Days	Tamilnadu Electricity Board (TNEB)

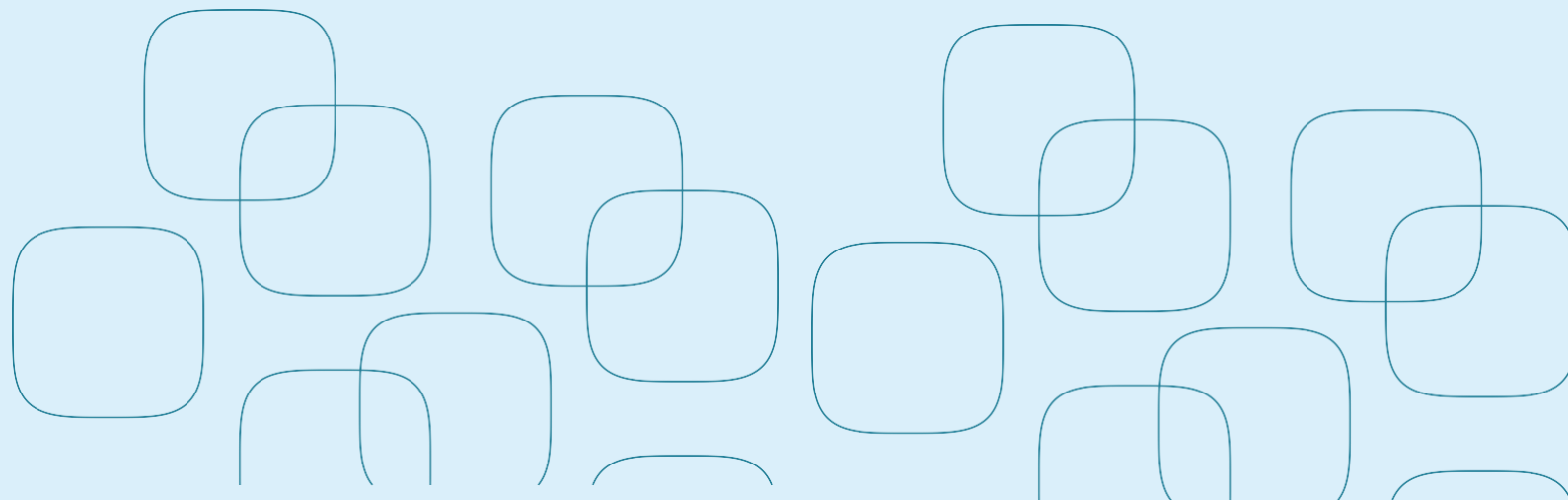
## STUDENT AWARDS / PRIZE WINNERS

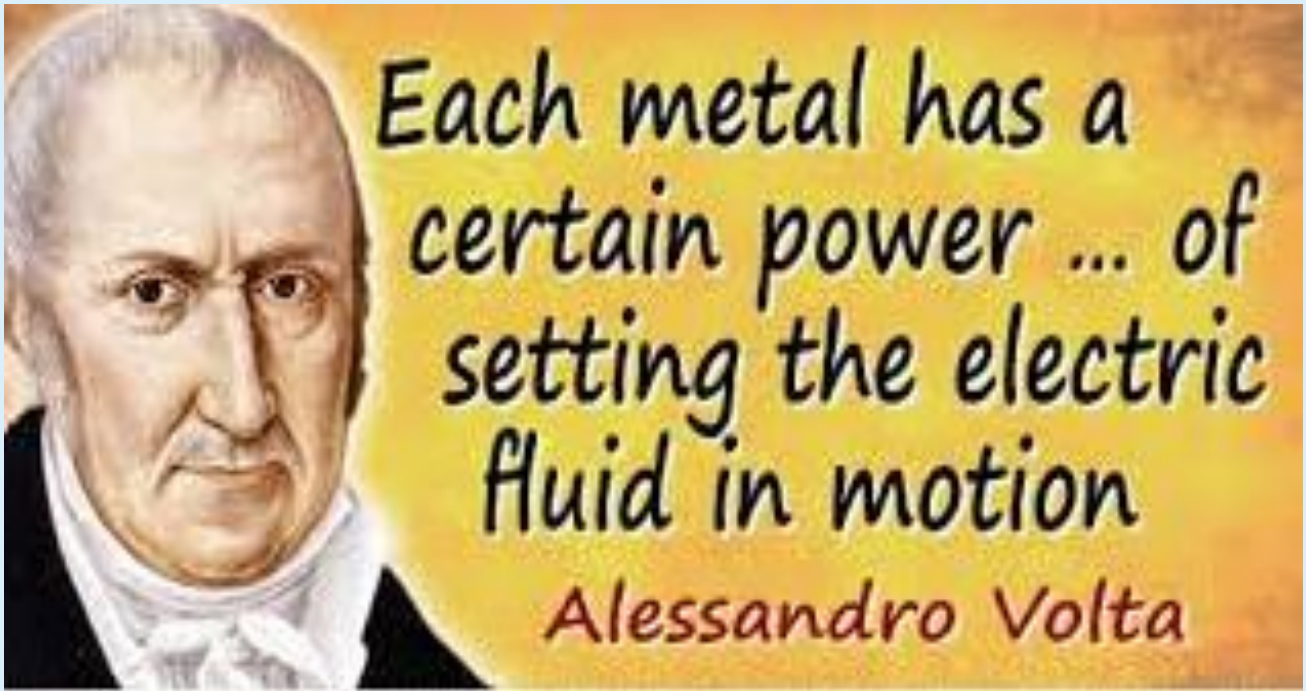
Our student from the Department of Electrical and Electronics Engineering, M.DHINESH KUMAR, K.SRIDHAR of 3rd year, has won the Second place in Paper Presentation Event in the National Level Technical Symposium held at Salem college of engineering and technology on 25.10.2024. A big hearty congratulations!



## NPTEL

S. No.	Student Name	Year	Duration	GRADE
1.	K.DHANUSH	III-EEE	JUL-SEP 2024	PASS





**OUR RECRUITERS**

The central image shows a large group of people, likely students or employees, sitting on the floor in a hall, holding up white cards. The name "Gnyanamani" is visible in the top left corner of the photo.

Logos of recruiters include: TVS, PEGATRON, Pinnacle ENGINEERING, FOXCONN, SUTHERLAND GLOBAL SERVICES, Rialto, Avalon, Delphi - TVS Technologies, SHREE ABIRAMI ENGINEERING WORKS, Gnyanamani, aspire SYSTEMS, LARSEN & TOUBRO, vinsinfo, eNoah iSolution, VOLTECH, and PACIFIC.

