E - NEWS LETTER

Oct to Dec 2025

Volume : Fourth

SAMRAT ASHOK TECHNOLOGICAL INSTITUTE

An Autonomous Grant-In-Aided Engineering College
Vidisha (M.P) 464001

(Approved from AICTE and affiliated to RGPV & BU, Bhopal)
NBA Accredited (B.Tech. Civil, Mech., E&I, CSE) and NAAC Accredited

Estd. 1960

ELECTRICAL ENGINEERING

योगः कर्मसु कौशलम्॥

www.satiengg.in **E-Mail : hod.ee@satiengg.in**

MESSAGE FROM OUR DIRECTOR

Estd. 1960

Dear all,

In our college, we and our faculty always think we need to teach beyond curriculum to make our students 'Industry Ready'. Recent observations made by many stalwarts in the industry indicate the fact that most Engineering Graduates out of colleges are not employable. SATI has always been in the forefront in ensuring that students are employable. It gives me immense pleasure to write a few words as prologue to the inhouse Fourth Volume 2025 E-Newsletter of the EE Department. The issue is designed to present the events that have occurred in the department makes this E-Newsletter resourceful and informative.

I appreciate the HoD and the Faculty & Staff for accompanying the students and I very much admire the initiatives and talents of our students. Keep up the good work.

I congratulate all the contributors and the editorial board for bringing out such a nice issue.

Dr. Yogendra Kumar Jain
Director

MESSAGE FROM HEAD OF DEPARTMENT

Estd. 1960

Dear readers,

It gives me immense pride and pleasure to lead the Electrical Engineering Department It is very pleasing to congratulate the faculty, Supporting staff and students of the Department of Electrical Engineering of the SATI who have contributed significantly to the success of the department and also in coming up with the fourth volume of the E-Newsletter. I feel happy to release E- Newsletter fourth volume.

Our editorial team has done an appreciable job in reporting all the events that have taken place in the Department over a time period of three months. To all your notice, our E- Newsletter is presenting you the success of major events witnessed by students, faculty and external participants of Electrical Engineering fields. The objective of the E-Newsletter is to provide information about involvement, inspiration and dedication in diversified areas of Electrical Engineering from students, faculty, parents and alumni, with a timely and honest portrait of our Department activities. This has made an earnest attempt in this direction and all the credit for its success falls upon faculty and students who have worked with dedication and enthusiasm to bring this forward.

I take this opportunity to thanks our Director for his continuous support and encouragement .

I convey my regards to all the readers.

Happy New Year to all .....!

Chandra Shekhar Sharma
Head of the Department

ABOUT ELECTRICAL DEPARTMENT

Estd. 1960

Welcome to the Department of Electrical Engineering at Samrat Ashok Technological Institute (Engg. College) Vidisha (M.P.). The Department of Electrical Engineering is one of the oldest department established in the year 1960. At present, the department offers both undergraduate and postgraduate courses in Electrical Engineering. The Department has well equipped laboratories in the area of Electrical Machines, Power Systems, Control Systems Engineering, Electrical Measurements, Power Electronics & Drives, Microprocessor and Embedded System. The Department has software computing facilities with latest software and high speed Internet connection to support modeling and simulation work. The Department is actively engaged in research, PG & PhD consultancy and testing in the area of Electrical Engineering.

Estd. 1960

VISION

TO BE A PREMIER & VALUE BASED DEPARTMENT COMMITTED TO EXCELLENCE IN PREPARING STUDENTS FOR SUCCESS IN ELECTRICAL ENGINEERING AND TECHNOLOGY PROFESSIONS.

PROGRAM OUTCOMES (POS)

1. ENGINEERING KNOWLEDGE
2. PROBLEM ANALYSIS
3. DESIGN/ DEVELOPMENT OF SOLUTIONS
4. CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS
5. MODERN TOOL USAGE
6. THE ENGINEER AND SOCIETY
7. ENVIRONMENT AND SUSTAINABILITY
8. ETHICS
9. INDIVIDUAL AND TEAM WORK
10. COMMUNICATION
11. PROJECT MANAGEMENT AND FINANCE
12. LIFE-LONG LEARNING

MISSION

M-1 : To provide quality teaching blended with practical engineering skills.

M-2 : To prepare students to develop all round competitiveness.

M-3 : To motivate faculty & students to do impactful research on social needs

GOALS

- Contribute the best engineers in the field of Energy.
- Better understanding of Electrical Engineering by strengthen of fundamentals of Electrical Engineering students.
- Motivate students for research.
- Encourage students for Entrepreneurship.
- Encourage innovative ideas & its implementation in Electrical Engineering.
- Encourage students to popularize Energy Saving.

CERTIFICATE

IEEE INTERNATIONAL CONFERENCE
ON
Data, Energy and Communication Networks - 2025

This is to Certify that

Mr/Ms/Dr Siddharth Singh Parihar from SATI Vidisha

has presented the paper titled Hardware Implementation of DC-DC Converters for SPV-Battery System Using DSP-28379D Texas Microcontroller

with Co-Authors Kanishq Sahu, Rohit Kumar Lodhi, Deepti Jain, Jitendra K Tandekar, Monika Jain

in the IEEE International Conference DECoN 2025 organized by Oriental Institute of Science & Technology, Bhopal on 12th - 13th December 2025.

Dr. Manish D. Sawale, Conference Chair | Dr Rajesh K Shukla, Director | Dr Jitendra Agrawal, General Co-Chair | Dr Manish Dixit, General Chair

Siddharth Singh Parihar presented a IEEE International Conference paper titled “Hardware Implementation of DC-DC Converters for SPV-Battery System Using DSP-28379D Texas Microcontroller with Co-Authors Kanishq Sahu, Rohit Kumar Lodhi, Deepti Jain, Jitendra K Tandekar, Monika Jain

FACULTY ACHIEVEMENT

Estd. 1960

PAPER PUBLICATIONS

Siddharth Singh Parihar, Kanishq Sahu, Rohit Kumar Lodhi, ***Deepti Jain, Jitendra K Tandekar, Monika Jain*** "Hardware Implementation of DC-DC Converters for SPV-Battery System Using DSP-28379D Texas Microcontroller" IEEE International Conference DECoN 2025, OIST, Bhopal, 12-13 Dec 2025

FDP

FDP on IOT Applications and Automation dated 29 October to 3 November 2025 organized by Electrical Engineering and Electronics Engineering Department under AICTE Idea Lab, Coordinated by ***Dr. Shilpi Tomar & Co-coordinated by Dr. Monika Jain & Dr. Jitendra K Tandekar***

Estd. 1960

PLACEMENT

S No	Company	Name of Students
1	Tesla Transformers, Bhopal	Indrajeet Singh Warkhade
2	Tesla Transformers, Bhopal	Shwejal Shukla
3	Tesla Transformers, Bhopal	Richa Tiwari
4	Tesla Transformers, Bhopal	Monica Bathari
5	Tesla Transformers, Bhopal	Surbhi Yadav
6	IndiGrid, Limited	Kanishq Sahu
7	IndiGrid, Limited	Mahipal Rajput
8	IndiGrid, Limited	Sagar Vishwakarma
9	IndiGrid, Limited	Surbhi Yadav
10	IndiGrid, Limited	Ubaid Mehraj
11	IndiGrid, Limited	Vibha Pal
12	IndiGrid, Limited	Aashi Yadav

Heartiest congratulations to all Selected students

Estd. 1960

FDP

Inaugural ceremony of FDP on IOT Applications and Automation dated 29 October to 3 November 2025 organized by Electrical Engineering and Electronics Engineering Department under AICTE Idea Lab.

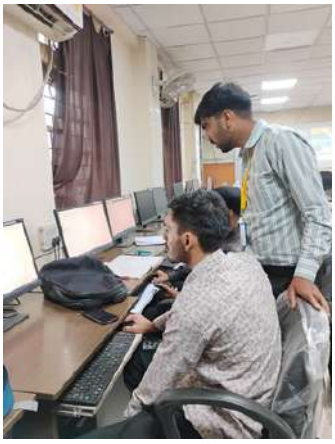
FDP

Estd. 1960

Valedictory Function of FDP on IOT Applications and Automation dated 29 October to 3 November 2025 organized by Electrical Engineering and Electronics Engineering Department under AICTE Idea Lab.

Estd. 1960

STUDENTS SKILL PROGGRAM



Inaugural ceremony of Students Skill Program On Robotics dated 25th Oct to 30th Oct. 2025organized by Electrical Engineering and Electronics Engineering Department under AICTE Idea Lab.

Estd. 1960

STUDENTS SKILL PROGGRAM

Valedictory Fuction of Students Skill Program On Robotics dated 25th Oct to 30th Oct. 2025organized by Electrical Engineering and Electronics Engineering Department under AICTE Idea Lab.

Estd. 1960

STUDENTS SKILL PROGGRAM

By Dr. Sudhir Sharma, Astt. Prof. Electrical Engg. SATI Vidisha is given training for entrepreneurship skill development program under MSME training.

Estd. 1960

OUR PROMINENT ALUMINI

Er. Hari Shankar Rathour, BHEL, Bhopal,
Mr. Kapil Sharma, Innovation For you, Bhopal

Ajeet sharma 2024, Atlas Copco private Ltd

Er Rajendra Ambadker, 2001 BE Electrical, retired GM (SWAN) MPSEDC.

Shriyansh Jain, 2012 Passout MTech, Assistant Prof. LNCT, Bhopal

DEARTMENTAL ACTIVITY

The Birth Anniversary of Sardar Vallabhbhai Patel is observed as "Rashtriya Ekta Diwas" (National Unity Day) on 31 October, 2025

Celebration of Institute Establishment Day 1 November 2025.

SCHOOL STUDENT VISIT IN ELECTRICAL DEPARTMENT

Estd. 1960

Saskiya Uchatar Madhyamic Vidhyalaya Bagari Vidisha school visited dated 23 September 2025 Electrical machine and Basic Electrical Lab Sati Vidisha

CM Rise HS school BariaPura, visited dated 29 September 2025 Electrical machine and Basic Electrical Lab Sati Vidisha

Govt. Girl HR. SC school Ganj basoda , visited dated 17 December 2025 Electrical machine and Basic Electrical Lab Sati Vidisha

Cm Rise Excellence School, Kurwai visited dated 22 December 2025 Electrical machine and Basic Electrical Lab Sati Vidisha

SCHOOL STUDENT VISIT IN ELECTRICAL DEPARTMENT

Estd. 1960

PM Shri H S S, Shamshabad, visited dated 26 November 2025 Electrical machine and Basic Electrical Lab SATI, Vidisha

Govt. H S S, Sihod, Visited dated 24 November 2025 Electrical machine and Basic Electrical Lab SATI, Vidisha

Estd. 1960

FACULTY VISITED FOR JUDGING VAL VEGYANIK PRADARSHANI

FACULTIES VISITED FOR JUDGING VAL VAIGYANIK PRADARSHANI, DATED 10/12/25 AT PM SHRI KV BAIRAGARH BHOPAL

Estd. 1960

BIS ACTIVITY

BIS Standard Writing competition conducted in the EE Department dated 27 October. Around 25 students participated.

Congratulations to the Winners!

🏆 1st Prize: Sadiya Masroor (EE 3rd Semester) – ₹1000/-

🥈 2nd Prize: Ayush Garg (EE 3rd Semester) – ₹750/-

🥉 3rd Prize:Shivansh Asati &Suryansh Vaidhya(EE 5th Semester) – ₹500/-

🎖️ Consolation Prize: Dipanshu Pawar and Amit Nagle (EE 3rd Semester) – ₹250/

Prize Distribution of BIS Technical Quiz Activity by Director SATI, Vidisha

Congratulations to the Winners!

🏆 1st Prize: Sadiya Masroor (EE 3rd Semester) – ₹1000/-

🥈 2nd Prize: Anjani Ahirwar (EE 3rd Semester) – ₹750/-

🥉 3rd Prize:Nikhil Tripathi (EE 5th Semester) – ₹500/-

🎖️ Consolation Prize: Unnati Lehariya (EE 3rd Semester) – ₹250/

EDITORIAL TEAM

Estd. 1960

FACULTY ADVISOR

Dr. Jitendra K Tandekar
Assistant Professor

Supporting Team

Vijay Singh Mourya

ENTHUSIASM IS THE ELECTRIC CURRENT THAT KEEPS THE ENGINE OF LIFE GOING AT TOP SPEED