

E - NEWS LETTER

January - March 2025

Volume : One



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.eesatiengg.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 Fifth Volume 2024 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.

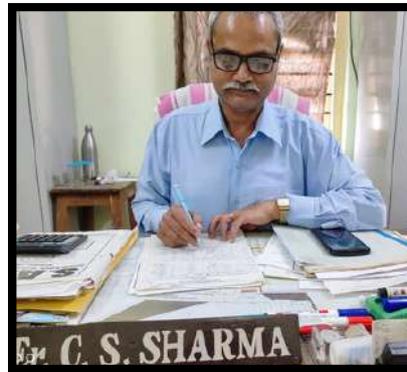
I congratulate all the contributors and the editorial board for bringing out such a nice issue.

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 fifth volume of the E-newsletter. I feel happy to release E- News letter Fifth volume.

Our editorial team has done an appreciable job in reporting all the events which 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 thank our Director, for his continuous support and encouragement .

I convey my regards to all the readers.

“Happy Holi2025”

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.



Estd. 1960

NEWS AT A GLANCE



विदिशा 18-02-2025

आयोजन • कार्यक्रम में एफडीपी में विभिन्न क्षेत्रों में उभरती तकनीकी प्रगति पर चर्चा होगी

तकनीक पर फैकल्टी डेवलपमेंट प्रोग्राम शुरू

भास्कर संवाददाता | विदिशा

एआईसीटीई आइडिया लैब के तहत एक सप्ताह का फैकल्टी डेवलपमेंट प्रोग्राम (एफडीपी) सोमवार को एसएटीआई में शुरू हुआ। यह कार्यक्रम 17 से 21 फरवरी तक चलेगा। इसमें उभरती तकनीकी प्रगति पर चर्चा होगी। कार्यक्रम का शुभारंभ कॉलेज के डायरेक्टर डॉ. वाईके जैन ने मां सरस्वती के समक्ष दीप प्रज्वलित कर किया।

उन्होंने उन्नत तकनीक में संकाय उन्नयन के महत्व पर जोर दिया। इस मौके पर डीन एकेडमिक डॉ. आलोक जैन, आइडिया लैब के समन्वयक डॉ. फंकन अग्रवाल,



एसएटीआई में एक सप्ताह की फैकल्टी डेवलपमेंट प्रोग्राम शुरू।

इंजीनियरिंग विभागाध्यक्ष प्रो. सीएस शर्मा मौजूद रहे।

एफडीपी कार्यक्रम के समन्वयक डॉ. डीआर साहू, डॉ. शिल्पी तोमर और डॉ. रश्मि कुमार हैं। पहले सत्र में कुबेर शर्मा ने आरडियोनो विशेषज्ञता पर जानकारी दी। कार्यक्रम में विशेषज्ञों के सत्र होंगे, जिनमें परियोजना विकास, एलओटी डिवाइस, 3-डी प्रिंटिंग, इलेक्ट्रिक वाहन, पीसीबी निर्माण, गहन शिक्षा और जनरेटिव नेटवर्क जैसे विषय शामिल हैं। यह पहल संकाय विशेषज्ञता बढ़ाने के साथ नवाचार और तकनीकी विकास के प्रति एसएटीआई की प्रतिबद्धता को मजबूत करती है।

कंप्यूटर साइंस इंजीनियरिंग सूचना प्रौद्योगिकी विभागाध्यक्ष डॉ. विभागाध्यक्ष डॉ. कनक सक्सेना, शैलेन्द्र श्रीवास्तव और इलेक्ट्रिकल

हरिभूमि

epaper.haribhoomi.com

Bhopal Vidisha Bhoomi - 1

आदालत किया जाएगा।

उन्नत प्रौद्योगिकी का महत्व बताया

विदिशा। एआईसीटीई आइडिया लैब के तहत भविष्य की प्रौद्योगिकियों पर एक सप्ताह की एफडीपी का उद्घाटन किया गया। कार्यक्रम में निदेशक डॉ. वाईके. जैन सर, एसएटीआई द्वारा मां सरस्वती के लिए दीप प्रज्वलित कर सम्मान किया गया। निदेशक डॉ. वाईके जैन ने उन्नत प्रौद्योगिकी पर संकाय उन्नयन के महत्व पर प्रकाश डाला। डीन एकेडमिक, डॉ. आलोक जैन, आइडिया लैब के समन्वयक डॉ. फंकन अग्रवाल, कंप्यूटर साइंस इंजीनियरिंग के विभागाध्यक्ष डॉ. कनक सक्सेना, सूचना प्रौद्योगिकी के विभागाध्यक्ष डॉ. शैलेन्द्र श्रीवास्तव और इलेक्ट्रिकल इंजीनियरिंग के विभागाध्यक्ष प्रोफेसर सीएस शर्मा ने अपनी उपस्थिति से इस अवसर की शोभा बढ़ाई।



STUDENT ACHIEVEMENT

Estd. 1960



Harshita Patidar



Ajeet Sharma



Heartiest Congratulations to GATE 2025 Qualified

STUDENT ACHIEVEMENT



Technical Paper Presentation in Technovision -2025 under BIS Bhopal

First Prize Madhu Raghuwanshi, ME PE IV Sem.

Second Prize Nikhil Tripathi, Akshay Dubey,
Lakshya Pachapohar, EE IV Sem

Technical Quiz Competition in Standard Club EE Department under BIS Bhopal

First Prize (Rs. 1000/-) Sujal Mishra, EE I year

Second Prize (Rs. 750/-) Sadiya Masroor, EE I year

Third Prize (Rs. 500/-) Sumit Ghorse, EE I year

Consolation Prize (Rs. 250/-) Sanya soni, EE I year

Reel Making Competition in Standard Club EE Department under BIS Bhopal

First Prize (Rs. 1000/-) Pankaj Rajput, EE III year

Second Prize (Rs. 750/-) Mahipal Rajput, EE III year

Third Prize (Rs. 500/-) Rich Tiwari, EE IV year

Consolation Prize (Rs. 250/-) Sakshi Soni, EE IV year



**Heartiest Congratulations to all Winner
Under BIS Bhopal.**



STUDENT ACHIEVEMENT

Estd. 1960

Students are selected MANAK MITRAS of Standard Club EE Department Under BIS Bhopal



1. Arpana Vishvakarma
2. Devansh Dubey
3. Akshay Dubey
4. Nikhil Tripathi
5. Lakshay Pachpoher
6. Suryansh Vaidya
7. Khushi Rathi
8. Neeraj Lidheuriya



**Heartiest Congratulations to all selected MANAK
MITRAS**



Estd. 1960

STUDENT ACHIEVEMENT

Cummins scholarship winners of Electrical Engineering Department.



**Heartiest Congratulations to all selected MANAK
MITRAS**



Estd. 1960

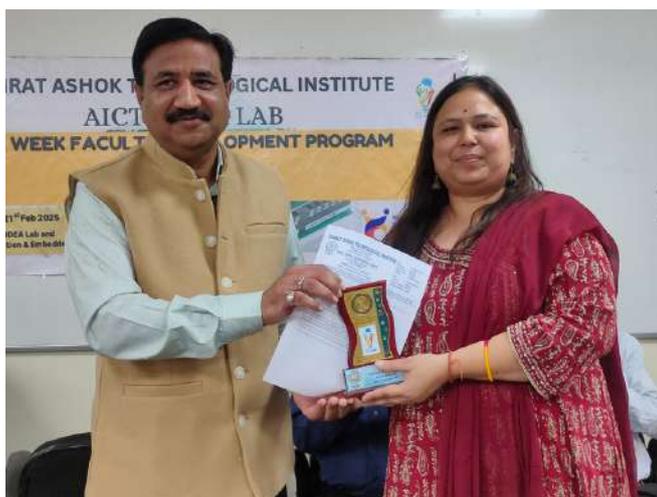
VIRTUAL LAB





FACULTY ACHIEVEMENT

Estd. 1960



FDP Convener Prof. C.S Sharma, Coordinator FDP Dr. Shilpi Tomar & Expert talk Dr Shilpi Tomar & Expert Talk Dr J. K. Tandekar in Sessions Of FDP Future Technologies 17-21 feb 2025



Estd. 1960

ACHIEVEMENTS

PAPER PUBLICATIONS

Rajesh Kumar Dhurve, Shilpi Tomar, Shivendra Singh Thakur, C S sharma published paper entitled Economic and emission load dispatch using modified Particle swarm Optimisation in IEEE conference SCEEE 25 (18 -19 January 25)at MANIT, Bhopal

Trivendra Mahavar, Shilpi Tomar, Jitendra Kumar Tandekar published paper entitled Performance and analysis of Multilevel inverter in integrating grid in IEEE conference (ICEPES) held at MANIT, Bhopal

FDP

Dr. Shilpi Tomar, Faculty Development Programme (Online) on Recent Advances in Social Networking Analysis at Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, Under ELECTRONICS AND ICT ACADEMY (PHASE II), January 06-11, 2025

Prof. Deeti Jain, Faculty Development Programme (Offline) on Future Technologies Under AICTE Idea Lab,SATI Vidisha Feb 17-21, 2025



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PLACEMENT

1	Atlas Copco	Chinky Kodle	6.36 LPA
2	Atlas Copco	Ajeet sharma	6.36 LPA
3	Indigrid	Harshita Patidar	3.75
4	Indigrid	Monica Bathri	3.75
5	Indigrid	Rashi Sharma	3.75
8	Skill Forge	Sakshi soni	4.86 CTC
9	Skill Forge	Harsh Suryawanshi	4.86 CTC
10	Skill Forge	Ankna Litoriya	4.86 CTC
11	Skill Forge	HARSHIT GARG	4.86 CTC
12	Skill Forge	Vikas patel	4.86 CTC
13	Teachnook	Rashi Sharma	4-6 LPA
14	Teachnook	Vikas patel	4-6 LPA
15	Teachnook	Monica Bathri	4-6 LPA
16	Teachnook	Sanchit Gupta	4-6 LPA
17	Teachnook	Aditya Gupta	4-6 LPA
18	Teachnook	Harshita Patidar	4-6 LPA
19	Teachnook	Abhay Savita	4-6 LPA
20	Teachnook	ANURAG MALVIYA	4-6 LPA
21	Acadomer	Rohit Vishwakarma	4-6 LPA
22	Acadomer	Monica Bathri	4-6 LPA
23	Acadomer	Vishesh kirar	4-6 LPA
24	Volvo Eicher	Rashi Sharma	6 LPA
25	Volvo Eicher	Sanchit Gupta	6 LPA
26	Volvo Eicher	Aditya Gupta	6 LPA
27	HEG Bhopal	Abhishek Malviya	3.5 LPA



Heartiest congratulations to all Selected students





Estd. 1960

SCHOOL STUDENTS VISIT



Govt. Higher Secondary School, Gadi Raisen, Visited on 17 Feb. 2025



CM Rise School, Sanchi , Visited on 23 Jan.2025



Estd. 1960

BIS TECHNICAL PAPER PRESENTATION



BIS Activity in Department-2025

Prize distribution of BIS competition



Reel Making Competition under BIS, Bhopal

Technical quiz Competition under BIS, Bhopal



Heartiest congratulations all BIS Winners



Estd. 1960

OUR PROMINENT ALUMINI



**Dr. Pradhyuman Chaturvedi Associate Professor NIT Nagpur, Elect. Engg.
Department visited Department on 01/01/2025**



Estd. 1960

DEPARTMENTAL ACTIVITY



Event of poster presentation of Technovision -2025

INDUSTRIAL VISIT



Estd. 1960



National Capsules Pvt.Ltd visited on 28.01.2025



**MP paper board and paper mills Pvt.Ltd Udaygiri road
Vidisha M.P Visited on 30/01/25**

VISITED THE UDAYAGIRI CAVES



Estd. 1960



Students visited the Udayagiri Caves, a collection of rock-cut cave sanctuaries near Vidisha, Madhya Pradesh, which depict various gods and include Hindu, Buddhist, and Jain caves, dating back to the Gupta period (4-5 AD). Visited on 30/01/25



Estd. 1960

Students Development Programme



Samrat Ashok Technological Institute, Vidisha
5 Days Skilling Program
On
Hands-on Practice on Power Electronics & its Control Using Microcontroller
AICTE- IDEA Lab
In Association with
Electrical Engineering Department



Date: 3rd Feb - 7th Feb 2025
Venue: AICTE IDEA Lab and Simulation & Embedded Lab

Expert
Prof. R S Tare, Professor
OP Jindal University, Raigarh (CG)

Topics to be Covered
Introduction to Microcontrollers
Arduino UNO & Mega
Programming of Microcontrollers
Power Electronics Converters
Hands-on Sessions



5-Days Skilling Program for student, Convener Prof. C.S Sharma, Coordinator of Dr. Monika Jain & Dr. Jitendra K Tandekar & Expert Prof. Rajendra Tare, Professor, OP Jindal, Raigarh (CG) in Sessions Of Hands on practice on Power Electronics & its Control Using Microcontroller 3-7 feb 2025 under AICTE IdeaLab.



Estd. 1960

Faculty Development Programme



FDP Convener Prof. C.S Sharma, Coordinator FDP Dr. Shilpi Tomar & Expert talk Dr Shilpi Tomar & Expert Talk Dr J. K. Tandekar in Sessions Of FDP Future Technologies 17-21 feb 2025

Faculty Development Programme



Estd. 1960



The Faculty Development Program (FDP) on Future Technologies Under AICTE IDEA Lab (17th February 2025 - 21st February 2025) inaugural ceremony, simulation Lab EE Deptt. SATI, Vidisha



Valedictory function of One week FDP under AICTE Idea lab on Future Technologies at Simulation and Embedded Lab, Electrical Engineering Department

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