

Department of Electrical Engineering NEWSLETTER

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Second Edition : November
2023–January 2024



VISION

To contribute towards development and services to the mankind, through state of art education research in the field of Electrical Engineering.

MISSION

To create quality manpower equipped with latest knowledge and development in the field of Electrical Engineering with skills, social values, and creativity for the betterment of mankind.

Top News

- Industrial Training of Students
- Board of Studies (BoS) Meeting was held on 11.12.2023.
- BIS, Writing Competition
- Faculties and Students activities

EDITORS: DR. SHILPI TOMAR, DR. JITENDRA TANDEKAR, MR. RAKESH SAGAR & MR. J K SINGH



Message from the HoD Desk



The Department of Electrical Engineering was started in the academic year 1960-61 with an Under Graduate programme. Later on Post Graduate programme in Electrical engineering started in the academic year 1997 - 98 .

The Department of Electrical Engineering is recognized for preeminence in teaching, research and service to profession. The department has a fine amalgam of renowned as well as young and dynamic personalities as faculty is playing an avant-grade role in providing quality education at both under graduate and post graduate level.

Since provenience, the department is producing endowment graduates and postgraduates. The state of art infrastructure and lab facilities, which ensure good exposure and hands on experience for students during learning process. The syllabi of the courses are continuously updated and the laboratories modernized to reflect the rapid changes in technology.

The Department of Electrical Engineering strives to be center of excellence in education, training and research producing high quality engineers and researchers. In this endeavor the department will continuously develop knowledge and quality of staff, upgrade and create program, new laboratory facilities, revise the teaching program acquire adequate new equipment to keep abreast, contribute and progress in emerging technologies and committed for rendering the best service to the society. It is matter of immense pleasure of the department, to launching **Second edition** of the news letter. The department faculty members and staff are trying to achieve significant progress regarding academics and other activity.

It is a matter of immense pleasure that department has decided to launched its newsletter the second edition is in your hand the department faculty and staff members are putting their efforts to achieve significant progress in academics curricular and co- curricular activities for the betterment of both staff and students.

I hope that the news letter will reflect the activities of department and impact a positive vibes to the students and staff members.

I would like to extend my sincere thanks and congratulations to Prof. S S Thakur, Dr. Shilpi Tomar, Dr. Monika Jain, Dr. Jitendra Kumar Tandekar, Dr. J S Shakya, Prof. Deepti Jain, Prof. Abhishek Sonker for their efforts in completing this newsletter at last but not least I would like to express my sincere thanks to all stakeholders of the department for their sincere efforts. Wish you a Very Happy New Year 2024..!!!!

C. S. Sharma
HoD, Electrical Department

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Departmental Activities



V-Sem Students along with Dr. Shilpi Tomar and Dr. Jitendra Singh Shakya (Assistant Professor) visited for Practical Training at National Power Training Institute, Satanwada, Shivpuri from 14 to 18 January 2024.



Students have Practical approach of Power plant . Students have hands on session and study of fault statistics and fault control in Power Plant at NPTI Shivpuri.



Department of Electrical Engineering, Samrat Ashok Technological Institute, Vidisha (M.P.)

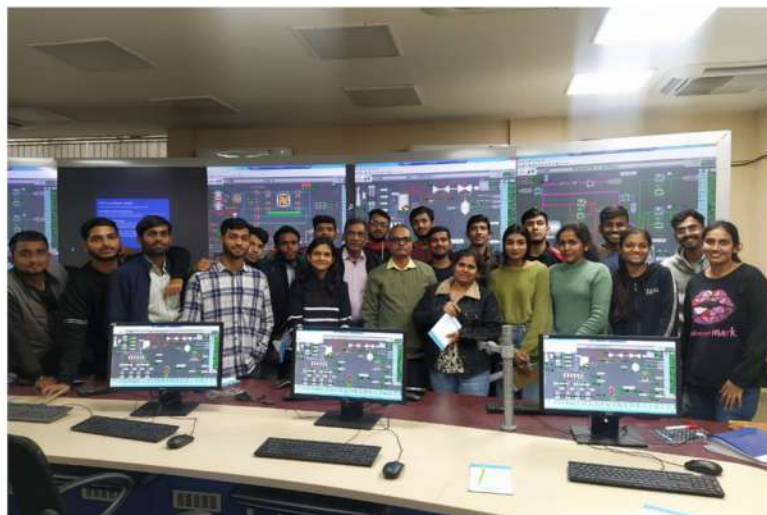




Departmental Activities



VII Sem Students along with Prof. C. S. Sharma (Associate Professor & Head) and Prof. Sudhir sharma (Assistant Professor) are visited for Practical Training at National Power Training Institute, Satanwada, Shivpuri from 08 to 12 January 2024.



Students have Practical approach of Hydro Power plant . Students have hands on session and study of fault statistics and fault control in Power Plant at NPTI Shivpuri.

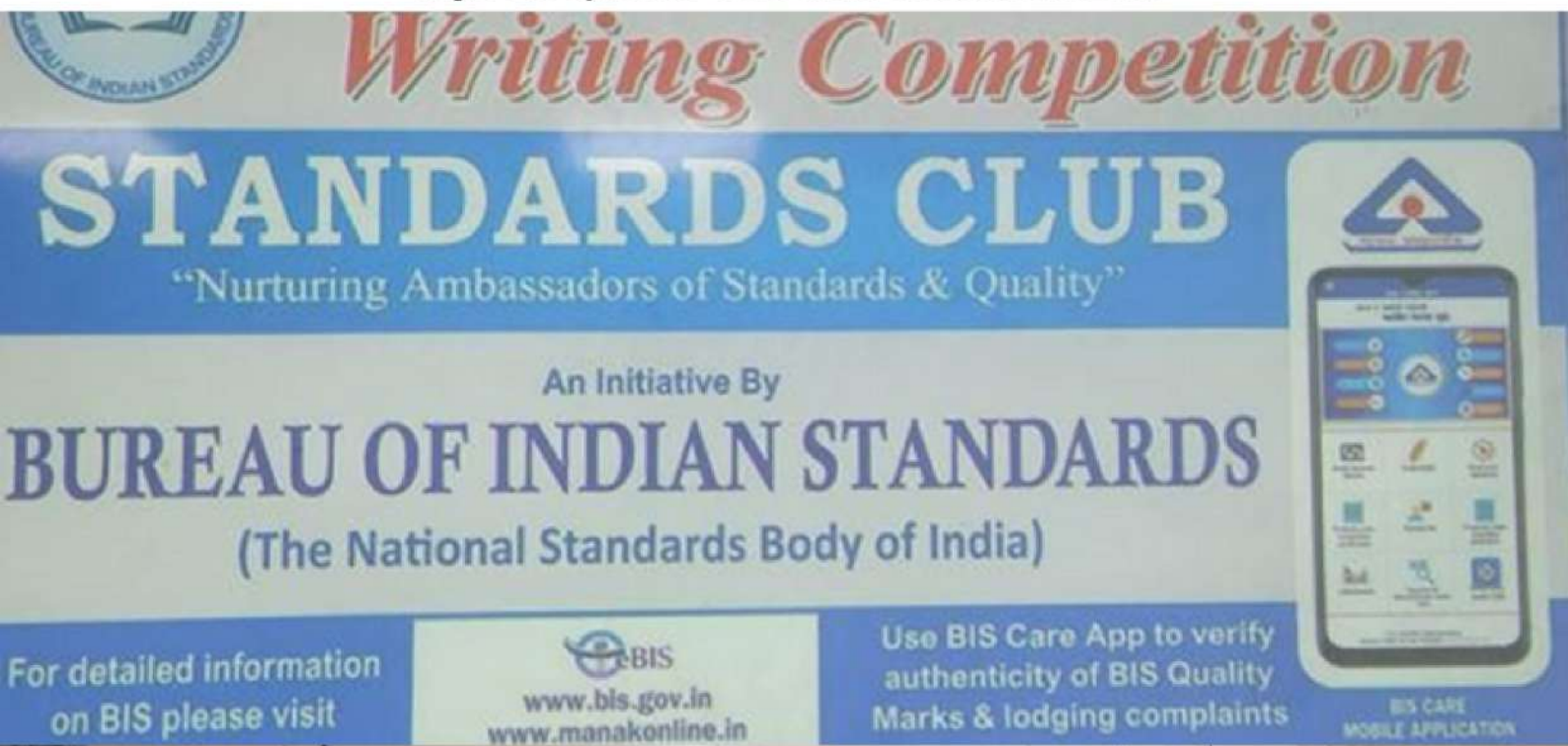


Students are Visited Historical Place, Narwar Fort, Chatri Shivpuri





BIS standard writing competition was held dated 30 November 2023 under BIS guideline. Deepak Chaudhary from Pesticides manufacturing ltd, vidisha was the keynote speaker who delivered about BIS.



Winners of the BIS standard writing competition are Harshita Patidar and Sanchit Gupta(First Prize), Anurag Sharma and Khushi Thakur(Second Prize),





For Close Campus Drive, Tesla Transformer (P) Limited Visited the Electrical Engineering Department on 24.11.2023



For Close Campus Drive, Cease Fire (P) Limited Visited the Electrical Engineering Department on 03.11.2023





Alumni Visited the Electrical Engineering Department



BTech 2022



BTech 2015



MTech 2003



BTech 2023





Departmental Activities (Continued..)



Under Holistic Program a session of XI & XII students of Govt. Girls H.S. School, Sherpura, Vidisha on 02.11.2023 from 3:00-4:00 PM by C.S. Sharma





Faculty Achievement



Dr. Monika Jain, Dr. Shilpi Tomar, Dr. Jitendra K. Tandekar and Deepti Jain attended the ATAL FDP on Data Science and Machine Learning (1-6 January 2024) at SATI, Vidisha



Atal FDP Programme on Data Science and Machine Learning was conducted by C.S. Department, SATI where mentioned electrical Faculty attended the FDP and gained Knowledge of Machine learning , Neural networks and Python Programming



Industrial visit of Dr. Monika Jain, Dr. Shilpi Tomar, Dr. Jitendra K. Tandekar and Deepti Jain dated 5 January 2024 at Datanutt IT Solutions, Bhopal



Faculty Achievement



Publication in International Journals/Conferences

Faculty/Author's Name	Title of Paper	Journal Name	Year of Publication etc
Shilpi Tomar, Shweta Mehroliya, Anoop Arya, Anshul Verma	Optimized Placement of distribution Generator in Radial Distribution System using whale optimization Technique	SN Computer Science (Springer publication)	2023
Shilpi Tomar, Shweta Mehroliya, Anoop Arya, Priyanka Paliwal	Voltage Stability Enhancement with FACTS devices by using Continuation Power Flow	IEEE (RESEM)	2023
Shilpi Tomar, Shweta Mehroliya, Anoop Arya, Anshul Verma	A Novel Hybrid GA-PSO Algorithm Based Optimization on Transmission and Expansion Planning	SN Computer Science (Springer publication)	2023
Shilpi Tomar, Umesh Kumar Lithore, Surjeet Dalal, Neetu Faujdar	Unveiling the Prevalence and risk factors of early stage post partum depression :A Hybrid deep learning approach	Multimedia Tools and Application (Springer Publication)	2024
Jitendra Tandekar, Nirbhay Borikar, Jayant shakya, Neha borikar	An Energy-Efficient Street Lighting with IoT Based Smart Control Fixtures	International Journal of Microsystems and IoT	2023
Shweta Singhai, Monika Jain	Reconciliation of PV array and SEIG set based EV charging for remote areas	RESEM 2023	2023
Sudhir Sharma, Bhoopendra Singh, Asutosh Datar	Duty Ratio Control Technique with Torque Ripple Minimization for Induction Motor based Electric Vehicle Applications	Journal of Power Electronics	2023
Paranthaman, R. Nithya, Abhishek Sonker, S. Varalakshmi, M. Madijagan, K. V. Daya Sagar, and M. Malathi	Reinforcement learning-based model for the prevention of beam-forming vector attacks on massive MIMO system.	Optical and Quantum Electronics	2024
Anu, P., P. N. Renjith, Aarti Amod Agarkar, A. Kousalya, Abhishek Sonker, and Venkateswarlu Gundu	Intelligent root cause detection in Industry 4.0: a secure cross-validation of blockchain architecture for product failure checker	Optical and Quantum Electronics	2024

Dr. Shilpi Tomar was reviewer in Electrical Engineering Journal (Springer Journal) and reviewed the manuscript named “ Advanced off Board Bidirectional Electric Vehicle Charger with Enhanced Power Quality and supporting Grid Resilience.





MOOC/Swayam Courses Completed

S.No.	Name of Faculty	MOOC/ Swayam Courses Earned
1	Dr. Shilpi Tomar	<ul style="list-style-type: none">• Technology enable learning & life long self learning.• Creative problem solving, innovation & meaningful R&D.• Institutional management & administrative procedures• Orientation towards technical education and curriculum• Professional ethics & sustainability• Communication skills, modes & Knowledge dissemination• Instructional planning and delivery
2	Dr. Monika Jain	<ul style="list-style-type: none">• Technology enable learning & life long self learning.• Orientation towards technical education and curriculum• Professional ethics & sustainability• Instructional planning and delivery
3	Dr. Jitendra Kumar Tandekar	<ul style="list-style-type: none">• Technology enable learning & life long self learning.• Creative problem solving, innovation & meaningful R&D.• Institutional management & administrative procedures• Orientation towards technical education and curriculum• Professional ethics & sustainability• Communication skills, modes & Knowledge dissemination• Instructional planning and delivery
4	Dr. J S Shakya	<ul style="list-style-type: none">• Electricity and Safety Measures
5	Abhishek Sonker	<ul style="list-style-type: none">• Electricity and Safety Measures



Student Achievement



SAMRAT ASHOK TECHNOLOGICAL INSTITUTE
(A Grant-in-aid Autonomous Engineering College Estd. in 1960)
(Approved from AICTE and affiliated to RGPV & Barkatullah University, Bhopal)
NBA Accredited (B.Tech. Civil, Mech., E&I, CSE) and NAAC Accredited

Congratulations

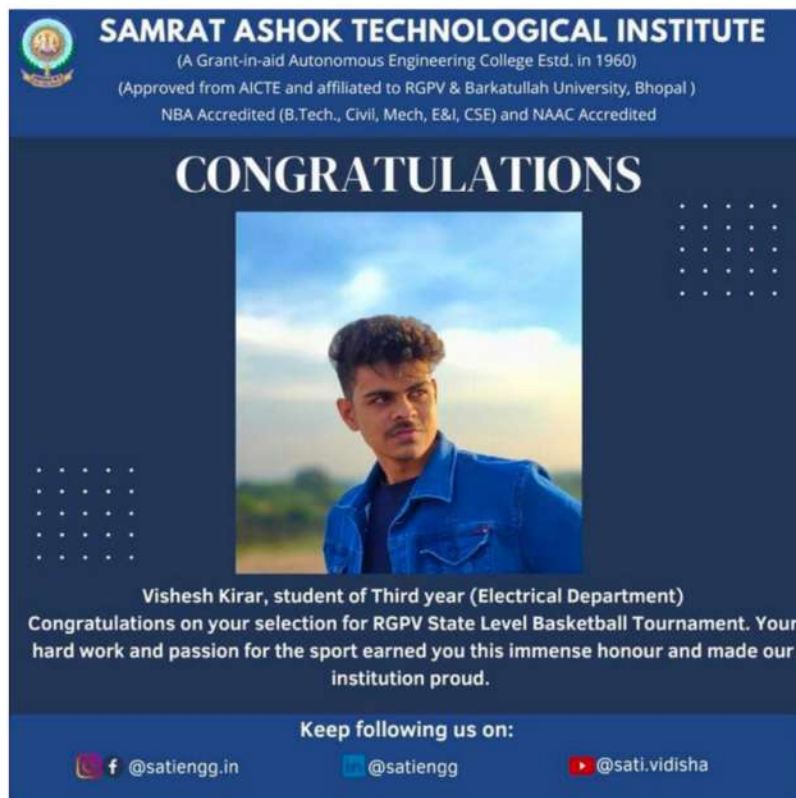


SAKSHI SONI
BRANCH - ELECTRICAL ENGINEERING
3RD YEAR

for winning
STATE LEVEL CHESS TOURNAMENT


**Sakshi Soni, EE, 3rd Year winner
of RGPV Nodal Chess
Tournament organized at
Vidhyapeeth Institute of Science
& Technology, Bhopal on 30-31
October 2023**

**Vishesh Kirar, EE, 3rd Year has
been selected for RGPV state
level Basketball Tournament**






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CONGRATULATIONS



Vishesh Kirar, student of Third year (Electrical Department)
Congratulations on your selection for RGPV State Level Basketball Tournament. Your hard work and passion for the sport earned you this immense honour and made our institution proud.

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Student Achievement



Sanchit Gupta of third year Electrical wins first prize in Ultimate Robo race competition at the tech fest held in SATI.

Sanchit Gupta of third year Electrical secured first position for innovative project idea in National Science Day Celebration



Sanchit Gupta of third year Electrical participated in Energy Efficient Project and secured second position



Sanchit Gupta of third year Electrical has completed national camp NCC at Jhansi





Students Placement



Congratulations For Getting Placed In Tesla Transformers



Anurag Sharma
EE



Khushi Thakur
EE



Mouli Patel
EE



Ankit Yadav
Mechanical



Mayank Agarwal
Mechanical



Prahiad Rathore
Mechanical



Yuvraj Patel
EE



Yogendra Rajput
EE



Chaitanya Singh
EE

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