
About Department

The newsletter aims to bring into view various proceedings, functions and happenings in the Department Electrical Department is one of the pioneering departments of **Shri G.S Institute of Technology and Science Indore (M.P)**. Department offer to students an excellent educational experience that combines intellectual rigor and cross-disciplinary breadth in an organized-student-centered environment. Despite the uncertainty (Pandemic) ahead of us in the new academic year, we know that our highest priority is to ensure our students, faculty and staff in good health and safety while offering the best learning experience to our students, whether they are learning on campus or from home.



Electrical Department, SGSITS Indore

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Event Organized

- 1 An Expert talk delivered by Eminent speaker **Abhay Bhakre** ,**Director General Bureau of Energy Efficiency on the occasion of International Energy Conservation day**, Patron of this Event **Prof. Rakesh Saxena**, Director Sgsits Indore, convenor **Prof. H.K Verma**, HOD of EED and Coordinators are **Dr. Shailendra Sharma**, Associate Prof. EED and **Harshit Choubey** ,Assistant Prof. EED, on Dec 14th 2021.



Expert talk by Hetal Sonpal

- 3 Two days online workshop on Power System Analysis using MI Power by Power Research and Development Consultants Pvt. LTD and organised by **Dr. Sandeep Bhongade**, in the Electrical department on 1-2 dec 2021.

SGSITS holds talk, poster contest on Energy Conservation Day
STAFF REPORTER
Indore
 Shri G. S. Institute of Technology & Science Indore, Department of Electrical Engineering, in Association with IEEE student branch of SGSITS organized a talk and online poster presentation competition on the International Energy Conservation Day.
 Delivered by Abhay Bakre, Director General (Bureau of Energy Efficiency), through

Expert talk by Abhay Bhakre

- 2 An expert talk delivered by **Hetal Sonpal**, Alumni of BE (Electrical Engineering) SGSITS -1996 batch. Patron of this event **Prof. R.K Saxena**, Director SGSITS, Indore Convenor **Prof. H.K Verma**, HOD EED and Coordinator **Prof. Arun Parakh**, Associate Prof. EED on Dec 3rd 2021.



Workshop on Power System analysis using MI Power

SHRI G. S. INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE
 Govt. Aided Autonomous Institute Estd. In 1952
 "NIRF-Ranked Institute"
Department of Electrical Engineering presents online talk:

EXPERT TALK BY
HETAL SONPAL
 BE (Electrical Engineering) SGSITS - 1996
 "25 years since Engineering!"

Date: 03-12-21
Time: 4:00PM

Video call link:
<https://rmeet.google.com/guw-qjsi-vvh>

Patron: Prof. R.K. Saxena, Director, SGSITS, Indore
 Convenor: Prof. H.K. Verma, HOD EED, SGSITS, Indore
 Co-convenor: Dr. Arun Parakh, Associate Prof. EED, SGSITS, Indore

1 An interactive talk by Prof. Satyajeet Majumdar from TISS Mumbai, in the context of teaching learning enhancement of the Department, held on 6th Dec 2021.



A talk by Prof. Satyajeet Majumdar

Faculty Participation

1 Dr. Shailendra Sharma delivered an expert talk on the topic **Small Scale Solar Photovoltaic supply integrated with Grid System in the ATAL FDP, at IPS Academy, Indore (M.P) on 9th -14th Aug 2021.**

2 Prof. MPS Chawla acted as Guest Speaker and delivered lecture on **Effective Teaching Methodology in academic Institution at SAIT, Indore in 2021.**

3 Dr. Arun Parakh delivered an Expert lecture on Designing of Embedded System for Electrical Engineering Domain, in TEQIP- III sponsored Five days FDP on "Promising Trends in Electricity Grid Modernization", at OIST, Bhopal during August 23th 2021.



Dr. Arun Parakh

5 Dr. Shailendra Sharma and Dr. Parakh delivered expert lecture on 23th August 2021 on the topic **"Challenge in integration of wind and Solar PV Power with Grid System at OIST, Bhopal.**

Prof. MPS Chawla acted as

6 Guest of Honour and delivered lecture on the topic **Artificial Intelligence Application at AIST 2021.**



Prof. MPS Chawla

Student Corner

NCC Army – SGSITS Indore

Event

REPUBLIC DAY CELEBRATION 2021

The Republic Day Celebration 2021 was celebrated in the college by the NCC Cadets wearing masks and following all the Covid-19 guidelines. Ceremonial Guard, also known as Guard Of Honour was performed by the cadets to honour the national flag and to pay tribute to our motherland. though the celebration was cut short due to the pandemic, but there was no dearth of enthusiasm and energy among the Cadets. A very few spectators were allowed, mostly the college staff, following all the Covid guidelines and maintaining social distancing. Director SGSITS, **Dr. R.K. Saxena Sir** appreciated the efforts of all the cadets and the staff members for continuously making them proud.



**Cadet Prerna Sisodia for RDC
2021 from EED, SGSITS Indore**

NCC PLANTATION DRIVE 2021

On the occasion of World Environment day, The National Cadet Corps SGSITS Cadets planted over 100+ saplings all over. The aim of the plantation drive is to increase the Green cover of our country, fight the menace of global warming and to create better environment for the next generation. Despite the state-wide lockdown due to COVID-19 pandemic, the NCC cadets participated enthusiastically in the plantation drive. The spirit of NCC cadets was undeterred as they planted saplings even in their backyards.



RDC 2021, SGSITS Indore

As part of the drive, the NCC SGSITS Cadets & Associate NCC Officer Lt. Dr. Manish Jaiswal Sir took a pledge to plant a tree sapling at home, neighborhood or at their native Places . They also took the responsibility to spread awareness about the challenges of global warming and the need for increasing the green cover on earth, Attachments area .



Cadet Debindra Singh
Electrical dept. SGSITS, Indore

Placement

More than 70% student from Electrical Department got placed in various Multi-National companies like Asian Paints Vedanta, L&T, Deloitte, MuSigma, GreyB etc. And the name of the students from Electrical department, who got the highest package in Vedanta at 10.95 Lakh are Bhavna Nanda, Harshit Nakra, Jalaj Siroliya ,Kirti Dwivedi, Mohit Mourya, Priya Ahirwar, Satyam Dwivedi , Shrasti Yede, Shruti Bhalavi.

Youth won the medal on the basis of Technology

Once again the youth of SGSITS Electrical Department, due to their technical knowledge, made the name of SGSITS all over the world . In the World Skill Competition held in Hyderabad, 4 participants from Madhya Pradesh won by performing better in Mechatronics skills. In this, Mayank Sunhare, M.Tech student, of Electrical department Sgsits Indore, won the silver medal . And the another , M.Tech student of SGSITS Indore , Mayuri Sunhare won this award for the same.

एसजीएसआईटीएस के युवाओं को मिली सफलता

युवाओं ने तकनीक के दम पर जीता मेडल

सुलता फर्स्ट... इंदौर

एयर के युवाओं ने अपने तकनीकी ज्ञान को बढ़ावा देने के लिए एक बार फिर से एयर का नाम सुनियोग में रखा है। एयरफोट में अलगाव वाले विमान प्रतियोगिता में एयरफोट के 4 प्रतिस्पर्धियों ने मेकैट्रॉनिक्स विभाग में बेहतरीन प्रदर्शन करते हुए जीत हासिल की। जिसमें 2 विभाग में प्रथम स्थान पर आए थे। इसमें इंदौर के एसजीएसआईटीएस के एयरफोट के विभाग के विद्यार्थी मयंक सुनहरे और मयुरी सुनहरे ने विजय हासिल की है। वहीं दूसरे एसजीएसआईटीएस एयरफोट के विद्यार्थी मयुरी सुनहरे और मयंक सुनहरे ने यह पुरस्कार जीता है।

वर्ष 2018 से कर रहे तैयारी

विभाग में प्रथम स्थान जीतने वाले विद्यार्थी मयंक सुनहरे ने बताया कि मेकैट्रॉनिक्स विभाग में एयरफोट के कई क्षेत्रों में युवाओं ने विजय हासिल की। एयरफोट में होने वाले कई विभाग प्रतियोगिता के लिए एयरफोट में विजय हासिल करने के लिए तैयारी कर रहे हैं।

एयरफोट और तकनीक को बढ़ावा देने में एयरफोट के इन्फोटेक के लिए युवाओं को प्रोत्साहित किया है। इस बार तकनीक में एयरफोट में जीतने वाले प्रतिस्पर्धियों के विभाग एयरफोट में प्रथम स्थान पर रहे।

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दुनियाभर के इंजीनियरिंग विद्यार्थियों को मिलता है मंच

डॉ. राजेश कुमार ने बताया कि एयरफोट विभाग में युवाओं के इंजीनियरिंग विद्यार्थियों को प्रोत्साहित किया है। एयरफोट में प्रथम स्थान पर जीतने वाले विद्यार्थी मयंक सुनहरे और मयुरी सुनहरे ने विजय हासिल की है। वहीं दूसरे एसजीएसआईटीएस एयरफोट के विभाग के विद्यार्थी मयंक सुनहरे और मयुरी सुनहरे ने यह पुरस्कार जीता है।

Research work in Electrical department till late nights

In Electrical Department SGSITS Indore, Engineering Research Lab always open even at 1:30 A.M. In the lab, not only the students but also the professors, Dr. H.K Verma (Head of the department) and Dr. Parakh (Associate Professor) are present. Where the students are doing researches with machines and books.



Research lab , Electrical department, SGSITS Indore

MI - POWER - Software

In the electric power system for the design, planning, control and operation at the current time and upcoming forecasting expansion of systems the power study or load flow analysis is essential. The MI Power (MiP) software is used to resolve power flow solution problem since large power system network. To solve the power flow problem in present many software program available for example MATLAB, Power World Simulator (PWS), PSCAD and MI Power but, MI power is chosen. Because MI power is best simulation software of power flow studies for bulky network and it is adoptable for like smart grid and smart city applications. And also it gives the detailed and accurate result with less time. The MI power software is the forward-looking simulation equipment in an attempt to develop the load flow analysis. MI Power is a highly interactive, user friendly windows based Power System Analysis package. It includes a set of modules for performing a wide range of power system design and analysis study. MI Power features include a top notch Windows GUI with centralized database. Steady state, transient and electromagnetic transient analysis can be performed with utmost accuracy and tolerance.
