

Newsletter



July-Dec 2023

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS
ENGINEERING

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Editorial Message

"No resistance can drop our potential"

Heartily welcome to the 10th Edition of our Departmental Newsletter.

We are very delighted and proud in presenting this newsletter to showcase the latest developments and programs which happened in our department.

It is indeed a great pleasure to note that our Department is publishing the newsletter on half yearly basis on every aspect of activities and events held during the semester. The newsletter aims to bring into view various proceedings, functions, events, news, accomplishments and happenings in the Department.

Newsletter acts as a communication channel among the alumni, faculty, students and experts in Electrical and Electronics Engineering. We are very much grateful to the Management, Dr. Jyoti Deshmukh Ma'am (Group Director), Dr. Dinesh Kumar Rajoriya Sir (Principal), Dr. Swati Saxena Ma'am (Vice-Principal) for their continuous encouragement, inspiration and support extended for the release of this "NEWS LETTER"

Editorial Board Members:

Akhilesh Choudhary (8th Sem) Aditya Rai (6th Sem)

Prof. Aamir Nasir Assistant Professor EX Dept. SISTec Bhopal

Advisory Board:

Dr. D. K. Rajoriya
Principal SISTec Gandhinagar, Bhopal

Dr. Swati Saxena Vice-Principal SISTec Gandhinagar, Bhopal

Editor in Chief:

Dr. Leena Daniel Associate Professor & HOD EX Dept. SISTec Bhopal

Vision & Mission Of Electrical and Electronics Engineering Department

Vision:

To impart technical education theoretically and practically to set global standards, making the students technologically superior, to face the technological challenges.

Mission:

- To educate the students with the state of the art technologies in the field of Electrical and Electronics Engineering to cope up the growing industrial challenges.
- To prepare professionals with good technical skills who can contribute in research and innovation for the well-being of the society and the country.
- To develop professional competency among the students, for achieving success in career, higher education and self-employability.
- To inculcate awareness, responsibility and ethical attitude for overall professional development.

(A) Departmental Activities

Revamp - An Orientation Programme

We are excited to share the success of our recently conducted orientation program, "Revamp," tailored for our 7th-semester students in the Department of Electrical & Electronics Engineering at SISTec. This initiative took place on July 24, 2023, setting a positive tone for the upcoming semester and empowering our students to achieve their academic goals.









SISTec EX Department Explores Virtual Labs in Expert Talk

We are excited to share the highlights of a recent insightful event hosted by the SISTec Department of Electrical & Electronics Engineering— an expert talk on "Virtual Labs & its Applications." This event, aligned with the Ministry of Education's National Mission on Education through ICT, aimed to broaden our students' perspectives on cutting-edge technologies.

Our distinguished speaker for the session was none other than Dr. Rajeev Kumar Chauhan, an esteemed Assistant Professor from the Dayalbagh Educational Institute in Agra. Dr. Chauhan not only brought his wealth of knowledge but also a passion for educating the next generation of engineers.

During the session, Dr. Chauhan delved into the significance of the "Virtual Lab" platform, shedding light on its applications and relevance in the ever-evolving landscape of technology. What made this event truly special was the hands-on experience he provided our students within the virtual lab environment, offering them a unique opportunity to apply their theoretical knowledge in a practical setting.

We extend our heartfelt gratitude to Dr. Chauhan for sharing his expertise and engaging our students in this enriching experience.









SISTec EX Department's Faculty Development Program

We are delighted to share the success and achievements of the One-Week Faculty Development Program (FDP) organized by the Department of Electrical & Electronics Engineering at SISTec. Held under the prestigious AICTE Training & Learning (ATAL) Academy, this FDP focused on "Recent Advancements and Developments in Electric Vehicles and Renewable Energy Technology".

The Inaugural Ceremony of the FDP Program was a momentous occasion, graced by distinguished personalities such as our Chief Guest, Prof. Ashutosh Kumar Singh (Director, IIIT BHOPAL), Dr. Jyoti Deshmukh (Group Director, Sagar Group of Institutions-SISTec), Dr. Dinesh Kumar Rajoriya (Principal - SISTec), Dr. Swati Saxena (Vice-Principal), and Dr. Leena Daniel (Coordinator - HOD, Department of Electrical & Electronics Engineering.

The Faculty Development Program took place successfully from 4th to 9th December 2023, with active participation from various colleges in Bhopal. Attendees had the privilege of engaging with and learning from distinguished speakers representing institutions such as SATI Vidisha, MITs Gwalior, IISER Bhopal, RGPV: Rajiv Gandhi Proudyogiki Vishwavidyalaya, MANIT Bhopal, and Delhi Technical University.

We extend our heartfelt gratitude to everyone who contributed to the success of this transformative program. Your active participation and dedication undoubtedly played a crucial role in making the FDP on Electric Vehicles and Renewable Energy Technology a resounding success.

























SISTec EX Department Unveils IoT Training

In a recent stride towards innovation, the SISTec Department of Electrical & Electronics Engineering conducted a comprehensive "IoT & its Application" training for our 5th-semester students. The training, held from August 7 to August 18, 2023, provided hands-on experiences and insights into the dynamic world of the Internet of Things (IoT).

- Focus Area: Explored the realms of IoT and its diverse applications.
- Duration: Conducted successfully from August 7 to August 18, 2023.
- Student Engagement: Enthusiastic participation and immersion in practical sessions.

Here's a brief recap, offering a glimpse into the enriching training sessions





Sem Break Training Program on "Playing with Electrical Components"

We're thrilled to bring you the exciting recap of the Semester Break Training Program organized by the SISTec Department of Electrical & Electronics Engineering. Let's dive into the action!

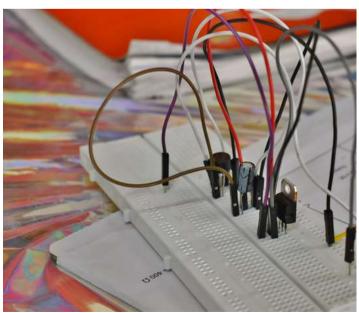
"Playing with Electrical Components" for 3rd Semester Students" An engaging session designed to enhance understanding, combining theoretical knowledge with practical applications of electrical components

The training sessions were conducted under the seasoned guidance of expert trainers. Students delved into both theoretical concepts and hands-on applications, ensuring a comprehensive learning experience.







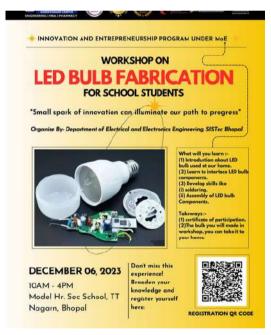


LED Bulb Fabrication Training for 12th-grade Students

We are thrilled to share the success of an impactful initiative undertaken by the Department of Electrical and Electronics Engineering, under the esteemed banner of the Ministry of Education and IIC (Institution's Innovation Council). Our recent "Innovation and Entrepreneurship Program" targeted school students, aiming to cultivate a spirit of innovation and creativity.

In a special session held on 6th December 2023, a comprehensive LED Bulb Fabrication training was organized for 300 12th-grade students from Govt. Model H.S. School, TT Nagar Bhopal. This event was a collaborative effort, reflecting the commitment of our institution to contribute to the holistic development of young minds.

The training session was skillfully conducted by Prof. Amit Kumar Yadav and Mr. Rakesh Dangi from the Department of Electrical and Electronics Engineering. Their expertise and guidance added immense value to the learning experience, providing students with handson insights into LED lights fabrication.









(B) Students Activities

Students Felicitation Ceremony for SDP

In a proud moment for the SISTec Department of Electrical & Electronics Engineering, we extend our heartfelt congratulations to our talented students who successfully completed the Student Development Program organized under the umbrella of IIT Bombay's Spoken Tutorial projects, focusing on Arduino.

4 students demonstrated their dedication and expertise, meeting the certification requirements of the course.

The felicitation ceremony, graced by Dr. Jyoti Deshmukh Ma'am (Director-Sagar Group of Institutions), marked the official recognition of their accomplishments.

A heartfelt congratulations to our students on this remarkable accomplishment! We are immensely proud of your dedication and success.

Here's to continuous learning and future triumphs!







Engineer's Day Celebration & T.A.E.S Club Reformation

We are excited to revisit the vibrant celebration of Engineer's Day on September 15, 2023, where the SISTec Department of Electrical & Electronics Engineering orchestrated a reformation ceremony for its esteemed student club, "T.A.E.S - Technical Association of Electrical & Electronics Engineering Students.

Club Reformation:

New members took the reins of T.A.E.S during this special occasion, showcasing dedication to organizing enriching events for our students.

Committee Formation:

To ensure seamless club functioning, key committees, including Organizing, Editorial, Cultural, and IT, were established. A strategic move to unite diverse talents for a successful club.

Festivities:

The day buzzed with engaging activities, celebrating both academic and extracurricular achievements with enthusiastic student participation.

Heading Towards Innovation: The reformation ceremony underscores our commitment to a collaborative and dynamic learning environment in Electrical & Electronics Engineering.







Inauguration of the Network Analysis Lab

We are delighted to announce a significant milestone in the SISTec Department of Electrical & Electronics Engineering— the inauguration of our newly developed Network Lab! This is a testament to our commitment to innovation and hands-on learning, is set to redefine the academic experience for our students.

The Network Lab boasts 8 experiment kits meticulously designed and crafted by our talented students under the expert guidance of Prof. Vivek Saxena and Mr. Rakesh Dangi. What makes these kits truly exceptional is not just their functionality but the cost-effectiveness with which they were created. While similar kits in the market typically cost Rs. 25,000, our dedicated students and faculty managed to produce these cutting-edge kits at an impressive cost of just Rs. 6000.

We are immensely proud of this collaborative effort that reflects the ingenuity and resourcefulness of our academic community. The inauguration ceremony, graced by (Principal, SISTec) Dr. Dinesh Kumar Rajoriya, was a moment of celebration and recognition of the remarkable strides our department is making in the field of Electrical & Electronics Engineering.







Fresher's Delight: 'Brisker Carniva 2023

Embarking on the colorful journey of college life is a momentous occasion, and at SISTec Department of Electrical & Electronics Engineering, we believe in making every step memorable. To kickstart this vibrant journey, we recently hosted a spectacular Freshers party - 'Brisker Carniva 2023,' welcoming our newly budding engineers with open arms.

The air in the SISTec Department of Electrical & Electronics Engineering was electric with excitement as our senior students poured their enthusiasm into creating an unforgettable experience for the new batch. The event was a testament to the warm and inclusive atmosphere we cherish within our academic community.

The seniors showcased their exceptional talents through a variety of dance and musical acts that captivated the audience and left everyone in awe. The creativity and dedication of our senior students were on full display, setting the stage for a year filled with camaraderie, learning, and, of course, fun.

As we celebrate the beginning of this exciting journey together, we look forward to fostering a supportive and engaging environment for all our students.







(C) Achievement & Awards

Design Patent for 'Charging System for Electric Vehicles using Solar Energy

We are delighted to announce and extend our heartfelt congratulations to the remarkable individuals from the Departments of Electrical & Electronics and Mechanical Engineering at SISTec. Their outstanding achievement in securing the UK Design Patent for the project titled "Charging System for Electric Vehicles using Solar Energy" is truly commendable.

Congratulations to the Awardees:

Dr. Leena Daniel / Dr. Sanjay Chhalotre / Ms. Pratima Gangwar / Mr. Amit Kumar Yadav / Mr. Aamir Nasir / Ms. Shadma Khan / Mr. Ankit Chourasia

We take pride in acknowledging their exceptional efforts and the impact their work is likely to have on the realm of electric vehicles and renewable energy.

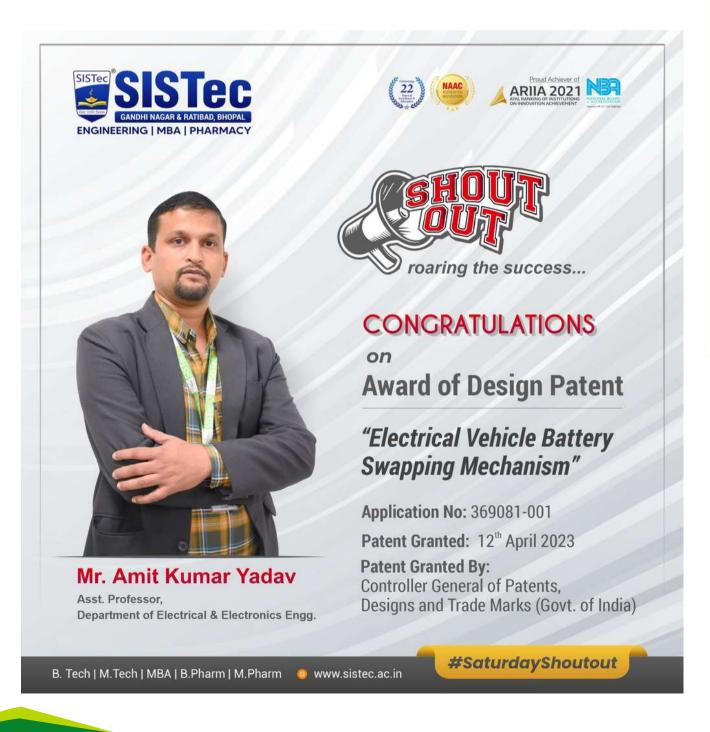
Once again, congratulations to each of the awardees for this well-deserved honor.



Design Patent Awarded for 'Electrical Vehicle Battery Swapping Mechanism

Join us in extending heartfelt congratulations to Mr. Amit Kumar Yadav, Assistant Professor in the Department of Electrical & Electronics Engineering, on his remarkable achievement! Highlight of Success: Mr. Amit Kumar Yadav has been awarded the Design Patent for his innovative work titled "Electrical Vehicle Battery Swapping Mechanism." This prestigious recognition is a testament to his expertise and contributions in the field.

Congratulations, Mr. Amit Kumar Yadav, on this well-deserved recognition! We look forward to more groundbreaking contributions from our esteemed faculty.



SISTec-EX Students Secure 2nd Prize at '10th Vigyan Mela'

We are thrilled to share a moment of pride as four exceptional students from the SISTec Department of Electrical & Electronics Engineering left an indelible mark at the prestigious "10th Vigyan Mela." Their dedication and hard work culminated in a remarkable achievement as they secured the Second Prize, accompanied by a Cash Prize of Rs. 3000.

The talented quartet—Shailja Tiwari, Nikhil Bhinjare, Neeraj Rathore, and Ritesh Kanchne—captivated the audience with their innovative project titled "Electric Vehicle Connection Module with Load Testing." This recognition not only showcases their technical prowess but also stands as a testament to our department's unwavering commitment to cuttingedge research and development.

Join us in congratulating these bright minds for their outstanding contribution, as we continue to inspire and foster a culture of excellence within our academic community. Stay tuned for more updates on the incredible achievements and innovations emerging from the SISTec family.







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"Astro" - the walking talking Robot Wins 2nd Prize at SISTec-R Project Expo

The talented students of the Department of Electrical & Electronics Engineering at SISTec-GN seized the opportunity to showcase their prowess at the IEEE Day celebration held on October 3, 2023, at SISTec Ratibad. Amidst the festivities, they actively participated in the "Project Expo" organized by the Electrical Department at SISTec-R.

We take immense pride in announcing that the students' project, titled "Astro - the walking talking Robot," stood out for its exceptional innovation and skill. Their remarkable efforts led them to clinch the 2nd prize in this prestigious competition, marking a significant achievement for EX-SISTec-GN.





NPTEL Certifications

Celebrating Academic Excellence: Prof. Aamir Nasir Completes NPTEL Course on Internet of Things



Celebrating Academic Excellence: Prof. Pratima Gangwar Completes NPTEL Course on Fundamentals of Electrical Engineering



Design Patent for "Solar Security Camera System"

We are thrilled to extend our heartfelt congratulations to Dr. Leena Daniel, the Head of the Department for Electrical & Electronics Engineering at SISTec, on the prestigious Award of Design Patent for her groundbreaking work on "A Solar Security Camera System."

Dr. Daniel's innovative contribution reflects not only her dedication to the field but also her commitment to advancing technology for the betterment of society. The entire SISTec family takes pride in her achievements and wishes her continued success and growth in her endeavors.



(D) Placements

Celebrating Success: SISTec Students Secure Positions as Embedded Trainees at Shroti Telecom Pvt. Ltd.! **

It is with immense pride and joy that we extend our heartfelt congratulations to all our brilliant students who have secured positions as Embedded Trainees at Shroti Telecom Pvt. Ltd.!

Congratulations once again, and may your professional journey at Shroti Telecom be filled with learning, challenges, and remarkable experiences!



Celebrating Excellence: Remarkable Achievements of Batch 2024 Students

We are delighted to share the outstanding achievements of our bright students from B.Tech in Mechanical Engineering, Electrical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, and MBA.

Our students have secured positions as Sales Engineers, Operations Executives, and Recruiters at Marut Air.



(E) Alumni

Reconnecting Excellence: Alumni Talk by Mr. Gaurav Soni

We are delighted to share highlights from a memorable evening as we hosted the Alumni Talk on September 11, 2023, organized by the SISTec Department of Electrical & Electronics Engineering.

Engaging Insights:

In this enlightening session, Mr. Gaurav Soni, an esteemed alumnus, took us on a journey through his experiences and shared valuable insights. His expertise and industry perspectives provided our students with a unique glimpse into the real-world applications of their academic pursuits.

Rekindling Connections:

Alumni, faculty, and current students had the opportunity to reconnect, fostering a sense of community within the Electrical & Electronics Engineering department.

Heading Towards Success:

This event stands as a testament to our ongoing commitment to creating meaningful connections and providing valuable experiences for our students.







Alumni Spotlight: Mr. Rahul Raj's Triumph in Central Secretariat Services

A round of applause for our accomplished alumni, Mr. Rahul Raj from the batch of 2021, Department of Electrical & Electronics Engineering, Sagar Group of Institutions-SISTec!

We are thrilled to announce his well-deserved selection as Assistant Section Officer in the Central Secretariat Services. His achievements reflect the excellence and dedication fostered at SISTec.

Heartfelt congratulations, Mr. Rahul Raj! May your journey be filled with continuous growth and success, making us even more proud.

Here's to celebrating success and the bright future ahead!



Alumni Spotlight: Mr. Abhishek Kumar's Exceptional Journey from SISTec to Tata Motors

Extending hearty congratulations to Mr. Abhishek Kumar, a distinguished alumnus from the batch of 2020, Department of Electrical & Electronics Engineering, Sagar Group of Institutions-SISTec!

We are thrilled to share the fantastic news of his selection at Tata Motors as a Post Graduate Engineer Trainee (PGET). Mr. Abhishek Kumar's success is a testament to his hard work and the quality education provided at SISTec.

SISTec takes pride in your accomplishments, Mr. Abhishek Kumar! May your journey with Tata Motors be filled with continuous growth and triumphs, making us beam with pride.

Here's to celebrating success and the bright future ahead! 👍 👍



Alumni Achievement: Mr. Deepak Sastya Secures M.Tech. Admission at IIT Madras

We are thrilled to extend our heartfelt congratulations to Mr. Deepak Sastya, a proud alumnus of the Department of Electrical & Electronics Engineering (Batch 2021) at Sagar Group of Institutions-SISTec!

It is with immense pride that we share the wonderful news of his admission to the M.Tech. program at the prestigious IIT Madras. Deepak's accomplishment is a testament to his academic excellence and dedication.

SISTec takes pride in your achievements, Mr. Deepak Sastya! As you embark on this new academic journey, we wish you continued growth, success, and moments of pride.

Here's to celebrating your success and looking forward to the great strides you'll make in your academic pursuits!

