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## **SISTec-Ratibad**

# **BULLETIN**

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**SISTec-E**



**SISTec-R**



## OBJECTIVE

To become a One-stop Solution for students in order to build their successful career.

## VISION

To become an institution of excellence in Science & Technology, by imparting world-class quality education and relevant training; producing skilled, competent & innovative workforce having social and ethical concern towards nation building.

## MISSION

- To establish a student-centric academic ecosystem enabling them to acquire & retain domain knowledge, develop lifelong learning attitude and maintain professional ethics.
- To induce career-oriented, industry-relevant skills in students, by means of appropriate & updated training modules for their overall grooming.
- To provide state of art facilities and infrastructure to facilitate seamless dissemination of technical knowledge and spirit of innovation among students.
- To foster collaborative development through industrial tie-ups and research, so that the students can serve the society.
- To enable continuous development of teachers, thereby ensuring updated knowledge transmission to our students.



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# Abhinandan 2023

## Orientation cum Induction Programme

Abhinandan 2023 was organized for the 2023-2027 batch of B.Tech students. The event aimed to create a welcoming and supportive academic, cultural, and social environment for the students.

The event started with a group song performance by talented students, setting the tone for the occasion. The dignitaries gave welcome notes and shared words of wisdom for the students' upcoming four-year journey. Informative presentations on the Sagar Group and SISTec Colleges were given by the Director and the Principal. A comprehensive overview of the Training and Placement program was provided, emphasizing the skills and opportunities awaiting the students.

The First-Year In-charge provided valuable information about the functioning of the First Year Cell. A traditional dance performance by senior students added a cultural touch to the event. Finally, the President and Vice President of the Students Activity Council expressed their thoughts on how SISTec will support the students in all their endeavors from day one.





## Achievement at Vigyan Mela Competition

The students from the Dept of Electrical Engineering have emerged as Third-Prize Winners of the prestigious 10th Bhopal Vigyan Mela Competition. Out of 100 projects, their project, "IoT Based Smart Home Automation," secured victory in the field of Engineering.

Hemant Uikey, Arihant Jain, Sandeep Uikey, and Khushal Mandrah made this project empowering homeowners with the ability to remotely control and automate various aspects of their homes, offering unparalleled convenience and energy efficiency. The students were felicitated in the morning assembly for achieving this feat.





## SIH-2023 Internal Hackathon

We organized an Internal Hackathon to finalize the registrations for the renowned Smart India Hackathon. Teams from various engineering departments presented their innovative ideas to solve challenges in areas such as automation, technology, fitness, heritage, renewable energy, cybersecurity, agriculture, education, disaster management, and more. Committee members engaged in thought-provoking discussions to evaluate the solutions based on teamwork, coordination, and alignment with the problem statements from the Smart India Hackathon. The event provided participants with valuable learning experiences to improve their technical expertise and problem-solving skills while emphasizing the institution's commitment to fostering innovation and preparing students for the future.





## Industrial Consultancy Project

We successfully completed another consultancy project for the Industry. This time our client was from the Food Processing sector, a company named "Sonic Biochem Extraction Ltd" Mandideep, and the consultancy sought from them was regarding their Industrial Boiler.

The project entitled "Critical Performance Analysis of 16-Ton Boiler Plant" was taken up by Principal Investigator Dr. Abhishek Choubey (Head-IIPC), under the mentorship of Principal SISTec Ratibad Dr. Manish Billore, and supported by Mechanical Engineering students namely Akshay Batti, Ajay Nagle, Nitish Kumar and Vishal Chauhan.

After a detailed on-site study and off-site analysis, the 92-page final project report was handed over to the company's Vice President, Mr. Rajendra Malviya, who, in turn, handed over the pay cheque for consultancy fees to the Principal. Our team is committed to undertaking more such projects to strengthen our students' overall learning.





## Student Activity Council's Investiture Ceremony

The newly formed Student Activity Council (SAC) is dedicated to improving the culture, decorum, and discipline of the institute. At the Investiture Ceremony, the council was supported by school staff and students. The outgoing council was appreciated for their duties and handed over the SAC Flag and Council Book to the new President. Under the Principal's supervision, council members were officially sworn in and received badges. The SAC is committed to creating a professional and unified environment with the support of faculty and students to make a lasting impact on the institution.





# ISRO's Contribution Towards India's Holistic Development

SISTec Gandhi Nagar and Ratibad Campuses held an online talk featuring distinguished scientist Ms. Anuja Sharma from ISRO. The focus of the talk was on the Chandrayaan mission and the contributions of ISRO to India's holistic development. Ms. Sharma emphasized the significance of the Indian Space Program and discussed the challenges faced by India in space missions. She also shared insights into various missions, including Chandrayaan and the Aditya-L1 Mission. A Q&A session allowed students to ask questions about joining ISRO and future plans.





# Image Processing through Artificial Intelligence & Machine Learning

The Dept. of Electronics & Communication Engineering organized a guest lecture on Image Processing through Artificial Intelligence & Machine Learning. The lecture, held under the auspices of the IETE Students Forum, featured Dr. Manish Kashyap as the distinguished speaker. He provided a comprehensive introduction to Image Processing and demonstrated various operations students can perform in the GNU Octave Environment using their smartphones. The lecture also highlighted the applications of AI-ML in Image Processing. Dr. Kashyap addressed students' inquiries and discussed job and research opportunities in the field.





## ***How to Manage Personal Finance***

SISTec Gandhi Nagar and Ratibad Campuses organized an exclusive session on "How to Manage Personal Finance". The speaker for the session was Mr. Omkar Deshmukh, who addressed students on "Personal Finance 101".

Throughout the session, Mr. Omkar explained the critical factor in financial success, and how cultivating an interest in financial matters, ultimately helps in making informed decisions and achieving their financial goals.





# Campus Placement Drive

## Shreeji Infrastructure India Pvt. Ltd.

SISTec Gandhi Nagar and Ratibad Campuses witnessed a Campus Placement Drive of Shreeji Infrastructure India Pvt. Ltd. for the B.Tech Civil and Mechanical Engineering students of batch 2024 to onboard fresh talent for the profile of Graduate Engineer Trainee. TPO SISTec coordinated the process with recruiters welcoming the participants and explaining the necessary details about the company, recruitment process, job profiles, etc.





# Celebrations

## Engineers' Day | Vishwakarma Jayanti

Engineers' Day was celebrated by organizing an engaging and interactive quiz for first-year engineering students. The event aimed to foster a sense of excitement and curiosity among the budding engineers.



To commemorate Vishwakarma Jayanti, a puja was organized at the Dept of Electrical Engineering.





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