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## SISTec-Ratibad

# B U L L E T I N

DATE : 13.09.2022 | EDITION : 2022-IX



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.



[www.sistecr.ac.in](http://www.sistecr.ac.in)

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## Auto Expo 2022

The Dept of Mechanical Engineering hosted "AUTO EXPO 2022" under SAEINDIA Collegiate Club with reputed brands such as Toyota Motors (Rajpal Toyota), Tata Motors (Varenyam Motors), Mahindra Auto (CI Automotors), and Force Motors (Surana Motors).

The CEO of Rajpal Toyota, Mr. Rohit Pilani inaugurated the expo and took an Expert Session on "Toyota Self Charging Hybrid Electric Vehicle: Concept Clarification and Myth Bursting". Several automobile models were on display at the expo, which were well-known among the public. The representatives from the various brands explained various technical aspects to the audience.



## Industrial Consultancy Project

An Industrial Consultancy project was successfully completed by the institute, for their client, Sagar Nutriments Pvt Ltd, for a live problem of the industry - "Efficiency Optimization of Captive Power Plant".

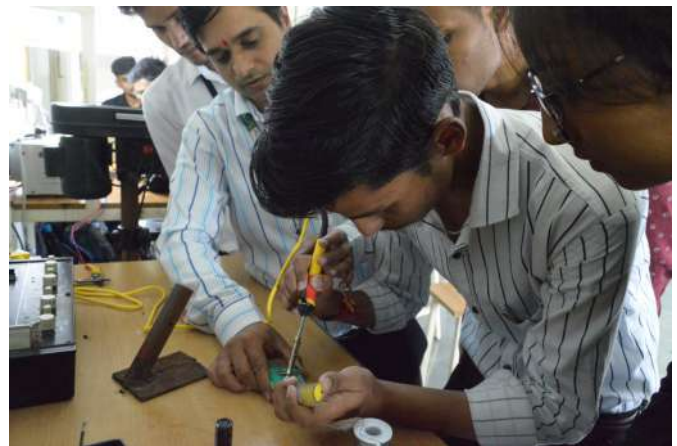
Dr. Abhishek Choubey, Asso. Prof., Mechanical Engg, was the Principal Investigator of this consultancy project, guided by the Principal of SISTec Ratibad, Dr. Manish Billore, and supported by Prof. Ashish Shrivastava, (Asst. Professor, Mechanical Engg).

While receiving the final project report, the Director of SNPL, Mr. Kshitiz Mittal appreciated the team from SISTec and handed over the cheque for consultancy fees to Team SISTec Ratibad. The same was further handed over by the HOD of Mechanical Engineering, Prof. Kshitij Yugbodh and his team, to Dr. Jyoti Deshmukh, Director of Sagar Group of Institutions.



## Semester Break Trainings

Quality academic support is very important for every student. It doesn't only boost their morale but also helps them to study better and achieve better results. In this regard, Semester Break Training programs were organized for the students to get a hands-on experience on trending skills. This gives them a better start for their new semester and also makes them more excited to start the new subjects. By providing interactive training we intend to make the knowledge more memorable and impactful for our students.



## *Expert Lectures / Seminars / Workshops / Orientations*

These sessions are an interesting way for our students to meet people in the community with same interest and rich knowledge. They are a good way to brush up on a skill or learn about a new topic. On many occasions, such sessions are organized either campus wide or at departmental level. These activities give your students a chance to ask questions and explore their concerns in a more hands-on, individualized way.

### *Water Conservation Techniques*

The Dept of Civil Engineering organized an Expert Lecture on "Water Conservation Techniques" by Mr. H. N. Golait, (Ret. Chief Engineer, Water Resources Dept. Madhya Pradesh). He explained various Conventional and Modern Techniques for Water Conservation such as constructing Gully Plug, using percolation tanks etc. Students also got a brief idea about the working of stop dams and their uses and benefits.



### Blockchain for Entrepreneurs

The Dept. of Computer Science & Engineering under the Institution's Innovation Council organized an expert talk on "Blockchain for Entrepreneurs" by the founder of TeaFriends, TeaCoin, and Startup Engine, Mr. Yogesh Sahu. He began by outlining the fundamentals of blockchain technology and how it helps business owners. The students actively participated and enquired about the process of crypto coin mining, discussing the hurdles faced in applying blockchain to their idea.



### How to Balance Relation and Career?

A refreshing, motivational seminar was organized by an internationally recognized Life Coach, Mr. Amol Wagle (from The Art of Living), interacting with the students on "How to Balance Relation and Career? He was accompanied by Dr. Nitin Kaldal, Dr. Himanshi Gupta, and Mr. Shantanu from The Art of Living. Mr. Wagle's enlightening words concentrated on the Five Aspects a student in correlation with Panch Tattva must focus on: Imagination as Fire, Information as Air, Concept as Earth, Attitude as Water, and Freedom as Space. He also shared a Success Mantra with the audience: No Success is Final and No Failure is Fatal.





### Roadmap of Entrepreneurship

The Dept. of Electrical Engineering under the Institution's Innovation Council organized a workshop on "Roadmap of Entrepreneurship" by the Chairman and Co-founder of DSW, Dr Ramesh Khare. He guided the students regarding the startup, how to get funding, and how to run the startups.

He also guided the students regarding how to generate the fund and how to get incubation from big industries and government incubation centers.



### Microsoft Learn Student Ambassadors

Team Corporate Relations organized Microsoft Learn Student Ambassadors Orientation Program with an initiative to make students aware of trend & technology, open-source platforms for their career development requisites. Lead Mr. Ghanshyam Prajapati & Ms. Aiman Asif from the Dept. of Computer Science & Engineering, SISTec Gandhi Nagar took an insightful session to discuss about vision and content along with road map to become campus ambassadors and promote peer learning within and outside the campus.



## Industrial Visits

Industrial Visits play an integral part in the teaching-learning process at SISTec Ratibad. Periodically these visits are organized for students to bridge the gap between industry and academia and help students get acquainted with class learning and industrial applications. These visits provide an insight to the practical aspects of the course which cannot be visualized in lectures. To understand the nuances and realities of the shop floor in itself is a rare exposure.

### NITTTR - Siemens Centre of Excellence in Digitalization & Industry 4.0

The students of Electrical Engg and Mechanical Engg departments visited NITTTR - Siemens Centre of Excellence in Digitalization & Industry 4.0, Bhopal, to acquaint students with the latest technological advancements. The students visited various lab facilities and their respective resources like Product Design & Validation Lab; Additive Manufacturing Lab; CNC Control Lab; Manufacturing Process Digitalization Lab; Industrial Automation Lab; Process Instrumentation Lab; Simulation, Optimization & Test Lab; Process Automation Lab; Robotics Lab; IoT Lab; Mechatronics Lab; and Electrical & Energy Studies Lab. They got exposed to the latest industrial developments and got familiarized with the concept of Industry 4.0.



*Sagar Manufacturers Pvt. Ltd.*

The students of Electrical Engg, Electronics & Communication Engg, and Mechanical Engg departments visited Sagar Manufacturers Pvt. Ltd. There they learned about the cotton-processing route to thread and finally onto fabric. The employment of Robotics in production, the use of Sensors to detect manufacturing faults, and the automated correction of such faults were all introduced to the students. Besides these technicalities, the students were introduced to the work and culture of the industry, which will help them gain an understanding of the industry and be prepared for the future.



*Sagar Nutriments Private Ltd*

The students of Mechanical Engg department visited Sagar Nutriments Pvt. Ltd. Students had the opportunity to witness a rice husk power generation plant that is operating a 2 MW turbine and producing electricity to meet industry needs during their visit. The steps that raw rice from farms goes through to become high quality rice variety goods were also demonstrated to the students. These operations include water treatment, para-boiling, milling, packaging and delivery.



## Celebrations

College is a great time to get involved in extracurricular activities and meet new people, these celebratory events are great way to do so. Whether our students are into sports, politics, art, or music, there's likely to be an event organized that meets their needs. This August was all about National Day celebrations.

### Har Ghar Tiranga

We celebrated the "Har Ghar Tiranga" event in the gracious presence of the MLA (Huzur, Bhopal) Shri Rameshwar Sharma. The event was organized by the National Service Scheme (NSS) Unit of SISTec. Mr. Sharma commended this gesture of the institute to mark "Aazadi ka Amrit Mahotsav", 75 Years of Independence. In his power-packed speech, he addressed the audience regarding the struggle and sacrifice of our freedom fighters, evolution post-independence, and the mark India has created on a global level in the present day. He also gave away prizes to the winners of the poster-making competition organized earlier in the day.



### Independence Day

सिस्टेक रातीबड़ ने इस विशेष स्वतंत्रता दिवस को एक अनोखे व यादगार तरीके से मनाया। 75 वर्ष की उम्र पार कर चुके, निकटवर्ती ग्राम के बुजुर्गों को कॉलेज के समस्त छात्रों और शिक्षकों ने मिलकर, शॉल व श्रीफल से सम्मानित किया। मुख्य अतिथि, भारतीय नौसेना के पूर्व अधिकारी श्री संजय सिंह के हाथों यह सम्मान पाकर वरिष्ठ नागरिकगण अभिभूत हुए।

इतना ही नहीं, ऐसे 75 शिक्षक / कर्मचारी, जो आज प्रतिकूल मौसम के बावजूद समय पर या उससे पहले कॉलेज प्रांगण में उपस्थित हुए, उन्हें प्राचार्य द्वारा पौधा देकर प्रोत्साहित किया गया। इस अवसर पर सागर ग्रुप की 'नो प्लास्टिक' मुहिम का लोकार्पण हुआ, जिसमें अतिथियों को जूट के बैग्स प्रदान किये गए।



### National Sports Day

We kicked off the National Sports Day celebration by felicitating the student Sports Icons in the morning assembly for the session 2021-2022. Our students, year-long participated in various state/national level tournaments and brought laurels to the institute.

Continuing with the excitement, during the 2nd half series of thrilling Tug-of-War matches were played between the different engineering departments to inculcate the feeling of true sportsmanship among them. The Dept. of Electronics & Communication Engineering triumphed in the Girls category, while the Dept. of Computer Science & Engineering conquered the Boys category.





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