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*Approved by AICTE & Affiliated to RGPV Bhopal*

# Newsletter

July-Dec  
2018

DEPARTMENT OF  
MECHANICAL ENGINEERING



# ***Editorial Message***

## ***“Mechanical Engineering – Gear of tomorrow”***

*Heartily welcome to the 1st Edition of our Departmental Newsletter.*

*We are indeed very delighted and privileged in bringing this newsletter about the latest achievements, betterments and programs under the banner of SISTec Mechanical Engineers Association (SMEA).*

*News letter acts as a flow of information among the faculty, students, alumni and experts in Mechanical Engineering.*

*We are pleased to inform that our Department is publishing the newsletter on half yearly basis on every departmental happenings held during the semester. The newsletter aims to bring into view various proceedings, functions, events, news, accomplishments in the Department.*

*We are very much thankful to the Management, Rector and Principal for their continuous encouragement, inspiration and support extended for the release of this “NEWSLETTER”*

### **Editorial Board Members:**

***Prof. Nitin Kumar Sahu***

*Assistant Professor ME Dept. SISTec Bhopal*

***Prof. Kuldeep Namdev***

*Assistant Professor ME Dept. SISTec Bhopal*

***Prof. Vishnukant Dwivedi***

*Assistant Professor ME Dept. SISTec Bhopal*

### **Editor in Chief:**

***Dr. Ravishanker V Choudri***

*Associate Professor & HOD ME Dept. SISTec Bhopal*

### **Advisory Board:**

***Dr. Keshavendra Choudhary***

*Principal SISTec Gandhinagar, Bhopal*

***Dr. Swati Saxena***

*Vice-Principal SISTec Gandhinagar, Bhopal*

# ***Vision, Mission & PEOs of Mechanical Engineering Department***

## ***Vision:***

*To build competent human resources towards self employability and life long learning in the field of Mechanical Engineering to overcome challenges.*

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## ***Mission:***

- 1. To provide students with comprehensive knowledge of Mechanical Engineering with a multi-disciplinary approach along with an intellectually stimulating environment for creativity, research, scholarship, innovation and professional activity.*
  - 2. To establish Industry-Institute interaction in order to contribute towards serving mankind.*
  - 3. To build career oriented graduates with multi-disciplinary fields.*
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## ***PEOs:***

***PEO-01*** - *Engage successfully in Mechanical Engineering practice in industry, government, private, post-graduate courses or alternative career pathways.*

***PEO-02*** - *Able to apply the knowledge of mathematics, basic science, mechanical engineering and other allied branches to solve engineering challenges and engage themselves in dynamic engineering teams.*

***PEO-03*** - *Inculcate life-long learning and service for the betterment of society and the environment.*

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# DEPARTMENTAL ACTIVITIES

## KAUSHAL 2K18

Department of Mechanical Engineering, SISTec Gandhi Nagar has successfully completed 10 days innovative (Internship-1) training programme KAUSHAL 2K18. In this internship programme students of B.Tech third semester were groomed by the experts in five diversified areas of engineering. The objective is to develop technical skills of the students as per current industrial requirements to enhance their employability.







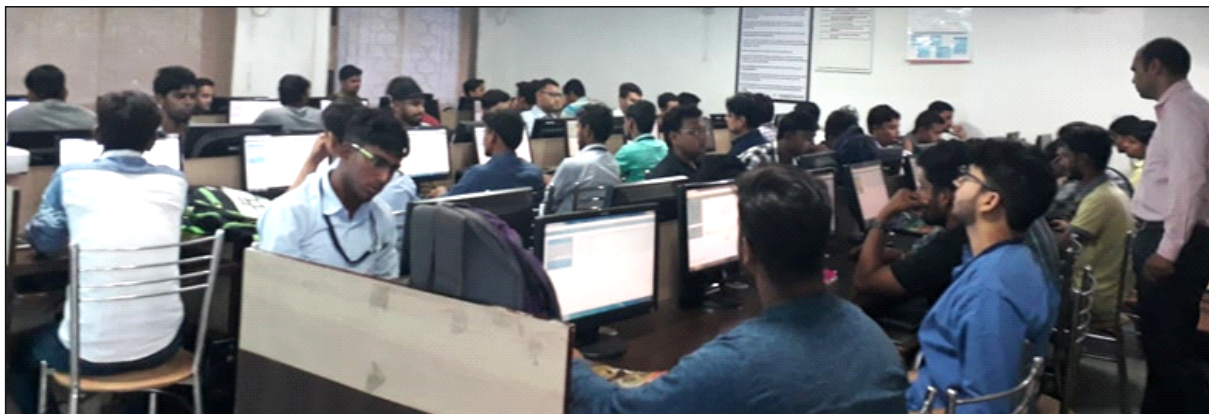


### **Orientation programme for third semester students**

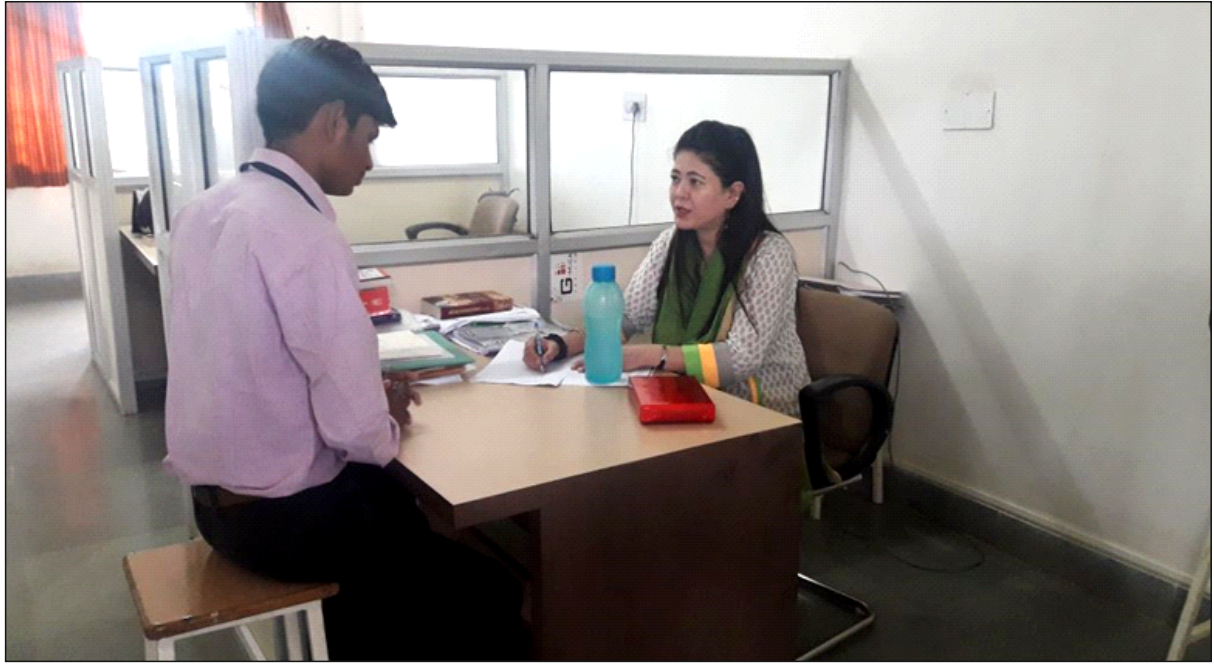


### **In-house training for "Go Speedy Go" Campus Drive**

Department of ME SISTec GN, conducted an in-house training for the campus drive of "Go Speedy Go" on 27 July 2018.







## INDUSTRIAL VISIT

An Industrial visit to “Yogeshwar Alloy Casting Industry Pvt. Ltd.”, Govindpura Bhopal was organized by the Department of Mechanical Engineering of SISTec Gandhi Nagar on Monday, 22nd August 2018. This visit was planned especially for B.Tech third semester students. Total 50 Students and 02 faculty member were present for the plant visit. Mr. Shakil Shaikh, Managing Director, Yogeshwar Alloy Casting Industry Pvt. Ltd., permitted to visit their industry by considering the academic importance and practical exposure to students for manufacturing processes.

### **Students visited SNPL, Mandideep**

Department of Mechanical Engineering, SISTec Gandhi Nagar planned and successfully conducted an Industrial Visit at Sagar Nutriments Pvt. Ltd. Mandideep, Bhopal on 24th August 2018. Department arranged this visit especially for B.Tech fifth semester students. Total 47 students along-with two faculty members participated in the visit.



### **AMPRI-CSIR Bhopal visit**

On 27th September 2018 Department of Mechanical Engineering with 20 students of 3rd semester and two faculty members Prof Mahendra Patel and Prof Amit Vishwakarma, visited AMPRI-CSIR Bhopal on its foundation day. All Students visited their various labs with one instructor . The session was highly informative and was attended by almost 300+ students from various colleges of Bhopal.





## EXPERT LECTURES

Department of ME SISTec GN organised an Expert Lecture cum Workshop on 25 August 2018 delivered by Mr. Manish Mayank Zargar from Andritz Hydro Pvt.Ltd.

During his session he discussed about Organisational Structure and Processes, Role of various Departments, Project Planning and Execution which was followed by Hands-on Exercises and practices. He discussed the details of Design of various mechanical components like Turbine, Generator, I.C.Engines, their modeling process concept and also demonstrated the designing & Analysis process by Mechanical Design Softwares.



SISTec Department of Mechanical Engineering, Gandhinagar, Bhopal organised an expert lecture on "Plastic Deformation" on 28th September 2018 through Skype for the 3rd semester students. Dr.Murshid Imam, an Assistant Professor at IIT Patna, delivered the lecture, Dr Imam, did his Post doctoral Research from OSAKA University Japan





### **Expert Lecture on AutoCAD and its applications**

SISTec Department of Mechanical Engineering Gandhinagar, Bhopal organised an expert lecture on Design Solutions on 12th Oct. 2018 for the 3rd and 4th year students.

D-Auto Engineering Private Limited is an expert in engineering services and design, research and development, delivered lecture on CAD applications. Apart from usage of CAD, they discussed the foreign and the Indian Ideologies of looking at innovation. They also introduced the students to many exclusive parts made through 3D Printer. The lecture was highly informative, students enjoyed it thoroughly.



# WORKSHOPS

## Four Day National Workshop On "RAES"



# SISTec organises workshop on RAES

STAFF REPORTER ■ BHOPAL

Sagar Institute of Science and Technology (SISTec), Department of Mechanical Engineering, Gandhi Nagar, organized a workshop on 'Recent Advancements in Energy Sciences' (RAES).

The four-day workshop was sponsored by MP Council of Science & Technology and had presence of eminent speakers from IIT's and NIT's, experts with hand on experience, professionals from industry etc. The workshop concluded today (fourth day) in presence of Sunil Kumar Gupta, Vice-Chancellor, RGPV, Bhopal as the guest of honor. Addressing the gathering and concluding the workshop Gupta said, "Sustainable and Non-Conventional energy will be the key of future and there are nations who making the most use of it. Such energy will make our future cleaner, brighter and easier. Optimum utilization of resources, reduction of waste, awareness and knowledge sharing will benefit us in longer run. I congratulate SISTec for organizing such enlightening workshop which builds perspective on energy and ensures capacity building amongst budding professionals." Keshavendra Choudhary, Principal of SISTec and Prof Ravishankar Choudhary, HOD

& convener of the workshop welcomed the dignitaries participating in the workshop.

The first day of workshop witnessed presence of Manu Shrivastava, Principal Secretary and Commissioner, New & Renewable Energy Department, Government of Madhya Pradesh who shared information on subsidy schemes of Government of India to promote Renewable Energy and the employability prospects and entrepreneurship roles in energy sector.

GN Tiwari, Prof (Retd) IIT Delhi enlightened the participants on information on 'Photovoltaic Modules and its Applications' along with 'Green House Sustainable Technology for Rural Applications'.

Second day of workshop marked with presence of Prof Siraj Ahmed, MANIT, who enriched the participants on 'State-of-art of Wind Energy Technology' for sustainable development with a need to switch from conventional energy sources to renewable energies. Sessions of Aseem Chandra Tiwari, Professor, UIT, RGPV, Bhopal, deliberated on bio-energy research highlighting- bio fuels and bio diesel whereas Gautam Dutta, Associate Professor, IITDM Jabalpur who shared details on recent advancements in nuclear energy discussing various aspects of nuclear power generation.





## Lord Vishwakarma Pooja celebration

Mechanical Engineering Department SISTec Gandhi Nagar celebrated Vishwakarma Jayanti with full enthusiasm on September 17, in the workshop premises of the institute. The event was started with prayers, mythological story of Lord Vishwakarma and followed by havan as well as Prasad distribution to students and faculty members.



# STUDENT ACTIVITIES

**Teacher's Day Celebration:** Department of Mechanical Engineering, SISTec Gandhi Nagar.



## Engineer's day Celebration

Department of Mechanical Engineering, SISTec Gandhi Nagar, Bhopal celebrated 51st Engineer's day on 15th September, 2018 in appreciation of the engineering profession and in the memory of India's eminent engineer, scholar and statesman, Bharat Ratna Mokshagundam Visvesvaraya. Various technical and non-technical events were organized by the department.



## AWARDS & ACHIEVEMENTS

### **Grant of Rs 50,000/- received from MPCOST to conduct Four Days Workshop.**

Department of Mechanical Engineering, SISTec Gandhi Nagar, Bhopal applied for financial assistance to MPCOST for a Four Days Workshop on "Recent Advancements in Energy Sciences" at SISTec Gandhi Nagar, Bhopal. After the thorough processing of the concept and objectives, MPCOST sanctioned the amount of Rs. 50,000/- to organize the event.

Workshop covered the recent trends in the field of unconventional energy resources and provides a forum for discussion to our researchers, academicians and students of the state and the Nation as well. Department conducted workshop in the month of August- September 2018.

### **Dr. Keshavendra Choudhary got honoured**

Our Respected and beloved Principal SISTec Dr. Keshavendra Choudhary honoured by the "King Fahd University of Petroleum & Minerals", Dhahran-Saudi Arabia, for successfully providing a technical consultancy on "Impact of the Use of Inlet Air Cooling and Evaporative After Cooling on the Energetic- Exergetic- Environmental Performance of Combustion Gas Turbines".



## **Workplace Swachhta Abhiyan 2018**

Cleanliness is next to Godliness.

Inspired by our Honourable prime Minister Shri Narendra Modi, SISTec Department of Mechanical Engineering, Gandhinagar, Bhopal organised its one of the brilliant initiative under Swachh Bharat Abhiyan as Workplace Swachhta Abhiyan 2018 on 1st November with full of enthusiasm & high spirit as usual.



# ACHIEVEMENT OF STUDENTS

Department of Mechanical Engineering SISTec Gandhi Nagar prouded to share that five students of Mechanical Engineering, SISTec Gandhi Nagar participated with the concept of Batery Operated Vehicle in 2nd Hybrid & EV Expert Network (HEVEN), at Taj Vivanta Dwarka Delhi.





## Sports

Athletic Nodal Games were conducted by RGPV on 7th October 2018.

Mr. Abhinav Kumar and Mr. Shubham Ranjan won Silver Medal in 4\*100 Relay Race.





### **Management recognized students for their academic zest**

Awards and accolades endorse the motivation to set high goals. The management of Sagar group of institutions SISTec, on a customary note awarded a scholarship of Rs. 15000/- each, to the toppers of each semester, for the session 2017-18 on 22.11.2018. The felicitation was done in the morning assembly in presence of the Principal SISTec, Dr. Keshavendra Choudhary, Principal SIPTec Dr. Kuldeep Ganju and Vice-Principal SISTec Dr. Swati Saxena.

SISTec Department of Mechanical Engineering grabbed 3 out of 8 scholarships.

#### **Students are:**

**Tarun Jain** - for 2nd Semester

**Nishkam Ashtmargi** - for 7th Semester and also for 8th Semester

**Nishkam Ashtmargi** also grabbed Chancellor's Award of Rs 25000/- in Second Year.



## THANK YOU

*next edition will come soon....*