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NEWS LETTER

DEPARTMENT OF MECHANICAL ENGINEERING



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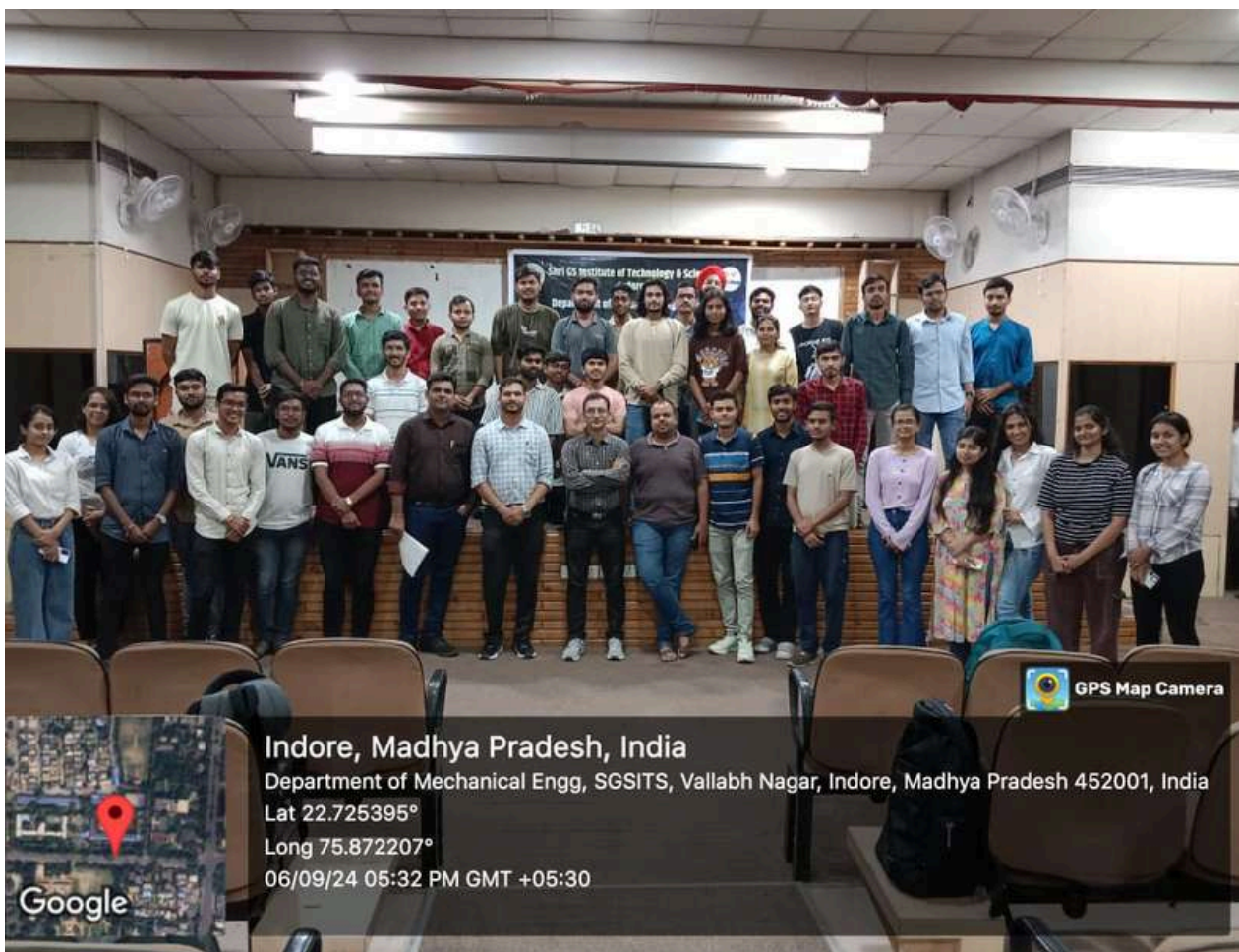
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**Make this year Big,
seniors!**

DEPARTMENTAL NEWS



Guest lecture was organized by the Mechanical Engg. Department on 6th september , in which Mr. Rajendra Jain MD ITR Industries Ltd and **Mr. R.K. Anchaliya TPO SGSITS** narrated their Experience and told about the future scope of mechanical Engineering. It was very informative and useful for career point of view for the students.



TEACHERS DAY CELEBRATION



The special event was dedicated to honoring and appreciating the incredible contributions of our esteemed faculty members who have played a pivotal role in shaping our academic journey and fostering our growth.

Farewell party for Professor



Senior Professor Dr. Smita Manepatil retired from the Department of Mechanical Engineering on 29th October 2024, and the Department hosted a farewell party for her. The department is grateful for the services rendered by the professor.



MOODLE



A hand on practice session on MOODLE conducted in the department by Mr. Dinesh Pasi and Mr. Gaurav Suryawanshi in the CAD lab on 11 Dec 2024. All faculty members of the department attended the session.

ALUMINI INTERACTION



Meeting with institute Alumni at Motiwale Engineering, 96A - 97 Sector F, Sanwer Road Industrial Area, Indore 452015.

(From left Er Ashish Banerjee, MD, Hewitt Robin (1985 batch), Er Pankaj Motiwale (1985 batch), Er Milind Phadnis, Consultant (1983 batch), second from right, Er Vanraj Singh Chawda, Consultant (1991 batch))



Er Ashish Banerjee, Alumni (1985 passout batch) interacted with IIIrd year students, dated 01st August, 2024

INSTITUTE INDUSTRY INTERACTION



HR head, Mr. Alok Singh and R & D experts, Mr Satyendra Patel from D & H Secheron Electrodes Pvt Ltd. visited the department and saw the facilities available in the department. They were very pleased to see.



Visited Shivangi Rolling Mills Pvt Ltd, Pithampur, dated 20th July 2024, for consultancy work.



Visited Bio CNG plant, near Choithram Mandi, dated 20th July, 2024, and discussed student project possibilities

INDUSTRIAL VISITS

Industrial visit place was Pithampur Auto Cluster & date of visit was 06/09/2024(Friday), While total number of students were 32. Faculties involved in the visit were Prof. Gangaram Mourya, Dr. Mangal Singh Lodhi, Prof. Rahul Suman.



The company is engaged in indigenous manufacturing of international quality custom built industrial Tools for automobile components and in technical service center they have seen:-

- (1) Design and development center: CAD/CAM/CAE.
- (2) Material testing laboratory
- (3) Calibration facility
- (4) CNC 5-axis machining center
- (5) 5- axis CNC EDM
- (6) Injection Moulding m/c 650T capacity.



A industrial visit was held on September 13, 2024 in second half of friday.

Industry visited was ITL industries Limited, Sanwer road, Indore.

ITL are the leading manufacturing and exporter of a wide range of circular, horizontal, vertical band saw Machine, tube & pipe, fly cut-off.



It was more informative for the B.Tech. 3rd year students. Visited shops were Tool cutting shop, painting shop, quality check shop, store shop, machine assembly shop.



STUDENTS' SECTION

INDUCTION PROGRAM



1st Day of Induction Programme for first year B Tech students was held in the Mechanical Department on 12 Sept 2024. The program started with interaction of faculty members with students. A Presentation about the department facilities and academic was given by **Dr. Sudhir Tiwari HOD**.

Then **Mr R. K. Anchaliya** TPO, SGSITS addressed the students about job opportunities.

After lunch students of mechanical clubs like **YANTRI/BAJA/SAE/YAN** gave information about club activities, achievement and opportunities.



The best part of today's program arrived when Alumni (1999) **Mr. Sheetal Parikh** Director and CEO of TRANSASIA and **Mr. Ashish Kumar Soni** DGM, VE Commercial Vehicles shared their journey, experience and guidance with students. The session was extremely interactive.



2nd Day of Induction Program was held on 13 Sept 2024. The program was started with Filling Google Form by the students under **KNOW YOUR STUDENT** plan. A Presentation about the **OBE (OUTCOME BASED EDUCATION)** was given by **Prof. Vinod Pare**. The session was very informative and various components of OBE were explained.



A Group photograph of first year students was clicked in front of Director Office for the memory, Then as per schedule visit to the various central facilities and department laboratories was done by students for the rest of day time. A feedback was also taken from the students.

FACULTY'S CORNER

Mr. Gangaram Mourya secured 1st position in category and 4th overall in Pachmarhi Monsoon Marathon by covering a distance of 42.2 Km in 3 hours 26 minutes 47 seconds.



Mr. Gangaram Mourya won first place in the Half Marathon at IIT Bombay by completing the distance of 21.091 km in 1 hour 32 minutes 10 seconds.

Mr. Gangaram Mourya secured second position for completing 100 Km distance in TIRANGA RUN event in indore by running 250 laps of standard athletic track in 11 hours 13 minutes 13 seconds.



Mr. Gangaram Mourya secured 4th position in 100km National Championship in 11 hours 57 minutes.



Dr. Sudhir Tiwari & Dr. V. Pare participated in NATRAX Hub under Industry Institute Partnership Opportunity Discussion on 9th November 2024.

Research & Publication

1. Upendra Sharan Gupta, **Sudhir Tiwari**, Influence of Low-Pressure Oxygen Plasma Modification on the Mechanical and Surface Characteristics of Epoxy Composites Reinforced by Eco-Friendly Banana /Sisal Fiber, Transactions of the Indian National Academy of Engineering. Volume 9, Pages 805-818, 2024.
2. Upendra Sharan Gupta, **Sudhir Tiwari**, Uttam Sharma, Enhancing the Abrasive Wear Performance of Banana Fiber Reinforced Epoxy Composites Through Low-Pressure Nitrogen Treatment of Banana Fiber, J. Inst. Eng. India Ser. D, <https://doi.org/10.1007/s40033-024-00666-z>, Accepted for publication.
3. Upendra Sharan Gupta, **Sudhir Tiwari**, Uttam Sharma, The Effect Of Cold Glow Discharge Nitrogen Plasma Treatment of Sisal Fiber (Agave Sisalana) On Sisal Fiber Reinforced Epoxy Composite, Journal of Pigment & Resin Technology, Accepted for publication. DOI: [10.1108/PRT-02-2023-0019](https://doi.org/10.1108/PRT-02-2023-0019), ISSN-0369-9420, SCOPUS.
4. **Niraj Gautam**, Kinematics of Electronic Differential System: The Relationship Between Track Length and the Rotational Difference of the Rear Wheels, International Research Journal of Engineering and Technology (IRJET), Volume 11, Issue 9, September 2024.



Dr. Sudhir Tiwari participated and presented the research paper in 12th International Conference on Industrial Tribology, IndiaTrib-2024 at Kolkata for 19 to 21 Dec 2024.

Mr. Rahul singh Mourya & Mr. Amit soni attended 5Days FDP on “cutting edge computer science research theory & applications: new trends & innovations”.



Students' Achievements

Dhruv Mac, a Mechanical Engineering student, has been awarded the title of Best Student Coordinator for his contribution to the institute's Innovation Council.



Shubham Pareek has completed the self-paced training course MATLAB OnRamp and Simulink OnRamp with 100% success.



Ms Tanisha Agrawal, B Tech. IV year got the S. M. Das Gupta award for the outstanding student of the year in the female category and won the gold medal and cash prize. The award is established by the Alumni Association of the institute.

Hack the Space Hackathon organised by Major League Hacking on 27-28 September at Durg, Chhattisgarh saw participation of 70 teams from all over India and the 4 member team (No. 26) comprising of **Sarvshreshtha Sharma (ME)**, Bishal Das (CS), **Bhavesh Saad (ME)** and Vedant Chitlangia (IT) secured 1st position all over the country.



Mr. Sanjay Mahor, a student of SGSITS has been awarded the best paper prize in the International Conference on Design and Manufacturing Technology held at Punjab Engineering College, Chandigarh.

VALUABLE CONTRIBUTION

Prof. Sudhir Tiwari (HOD), Mr. Dinesh Kumar Pasi (editor in chief), Mr. Gangaram Mourya (editor), Dr. Shubham Jain (editor), Dhruv Mac (asst. editor)