The Second Edition of

HORIZON
FRONTIERS OF MECHANICAL ENGINEERING
JOURNEY OF ADVANCEMENT & ENRICHMENT
EDITION #2

VISION OF THE DEPARTMENT
To develop the department into an advance center of learning by synergizing teaching, learning and research to produce competent Mechanical Engineers with an exposure to interdisciplinary engineering knowledge.

MISSION:
The Department is committed to:
- Produce job ready engineers in the field of production, design, thermal, industrial and automation engineering by imparting basic sciences and engineering education.
- Nurture student with creativeness, innovativeness and entrepreneurship skills to develop out-of-the-box thinking respond effectively to the needs of the industry and the ever-changing world scenario.
- Conduct high quality research, provide industrial consultancy and offer state of art undergraduate, postgraduate and doctoral programme.

Sंपादक की कलम से.....

प्रिय पाठक,
यह मेरा सौभाग्य है कि मुझे यात्रिक अभियंत्रण विभाग के सूचना पत्र के मुख्य संपादक के रूप में अपना योगदान देने का अवसर प्राप्त हुआ। यह विभाग वर्ष 1997 से ही इतनी प्राति के साथ उभरा कि न केवल हिंदी राज्याध्यक्ष में अपनी विशेषताओं, प्रक्षिप्तियों एवं कार्यशालाओं के लिए इसका नाम सम्मान के साथ लिया जाने लगा। मैंने इस विभाग के कौशल को रोपित हुए, बढ़ते हुए, फलीफल होते हुए एवं सुखद छवि में उभरा जाने के साथ इसका नाम सम्मान के साथ उभरा जाने के साथ इसका नाम सम्मान के साथ उभरा जाने के साथ इसका नाम सम्मान के साथ उभरा जाने के साथ इसका नाम सम्मान के साथ उभरा जाने के साथ इसका नाम सम्मान के साथ उभरा जाने के साथ इसका नाम सम्मान के साथ उभरा जाने के साथ इसका नाम सम्मान के साथ उभरा जाने के साथ इसका नाम सम्मान के साथ उभरा जाने के साथ इसका नाम सम्मान के साथ उभरा 

Department of Mechanical Engineering (MED), FET, MRIIRS organized a National Symposium on “INTEGRATION OF RESEARCH ACADEMIA AND INDUSTRIAL PRACTICES TOWARDS MANUFACTURING EXCELLENCE” on 25th day of February 2020. The National Symposium started with gracious presence of renowned academicians like Prof. (Dr.) I K Bhat - Hon’ble Chancellor MRU, Prof. (Dr.) Pulak Mohan Pandey - IIT Delhi, Prof. (Dr.) Sachin Maheshwari – NSUT Delhi, Mr. Abhijeet Mitra – Design Head – M/s Koyo Springs Ltd. Haryana along with delegates from Industry and academia. From MRIIRS, Pro. (Dr.) Naresh Grover, Dean Academics - MRIIRS, Prof. (Dr.) Geeta Nijhawan, Associate Dean – FET MRIIRS, Prof. (Dr.) Manu Srivastava, HOD MED MRIIRS, Prof. (Dr.) Sujata Nayak – HOD MED, MRU along with faculty members and students.

Program started with Saraswati Vandana and lamp lighting by all delegates. Symposium started with technical session of Prof. (Dr.) Pulak Mohan Pandey. He enlightened the students with expertise of Additive Manufacturing by current trends and requirements. He also highlighted the importance of amalgamated recent trends in research with academics to bring forth coming best practices in manufacturing. Second technical session was delivered by Prof. (Dr.) Sachin Maheshwari. He delivered expert talk on Manufacturing Excellence by recent technologies and brief the future and scope as well. He talked about making industry ready engineers. Third session was delivered by Mr. Abhijeet Mitra on manufacturing processes with concerns of design and quality. He briefed the audience on concept and importance of right spirit of value and expertise in industry. Fourth session was conducted by Prof. (Dr.) I. K. Bhat. He enlightened and developed the future scope and trends of emerging Mechanical Engineering. He discussed about all the scopes of smart manufacturing, engineering in detail and gave a brief concept and importance of Industry 4.0.

The sessions were highly informative and knowledgeable. The audience appreciated the expertise of speakers. There was question/answer session after each expert talk and students as well as faculty members interacted with speakers on their queries and doubts.

Felicitation Ceremony was then towards the end of program. Prof. (Dr.) I K Bhat felicitated all the speakers to invoke manufacturing excellence in mechanical engineering. Symposium was concluded by the Vote of Thanks by Dr. Manu Srivastava. Mr. Arun Gaur, the departmental coordinator of symposium was highly appreciated by all present departmental faculty members.
**STUDENT SECTION**

Team TIFAN consisting of Rohan Dhawan (Captain), Vijaykant Shrama, Aditya Sharma, Himanshu garg, Vishal Goel, Puneet Garg and Brijmohan Srivastav, Shivam Bhardwaj, Kumar Kaushal Ankit Parmar, Aman Rana and Ayan, Shivam Gautam cleared the virtual round under the leadership of Dr. Abhishek Chauhan.

Mechanical engineering Department had donated tools such as screwdrivers, hammers, stands to the needy that were made in the workshop by the students.

Team for SAE Efficycle 2019, consisted of Dhruv Sharma, Ranjeet, Vaibhav Singla, Nikhil, Tushar, Saideep Ghimre, Sangram, Kaushal, Raghvendra and Nishchal Thapa, students of Mechanical Department under the mentorship of Dr. Abhishek Chauhan.

A message from our student correspondent

The department has grown into full-fledged technology centre with well equipped lab facilities, infrastructure and faculty members with various specializations, and international exposure.

Activities in the department are carried out to consort the global innovations, inventions alternate resource development in the mechanical world for the human humankind. In this journey, the students are trained to upgrade themselves and the department is striving to mold them into a better engineer for the society. Individual attention and sessions have drawn out innate capabilities of students, helping them excel and cope with academics and extracurricular. The department frequently organizes industry visits, subject related seminars, guest lectures workshop etc. To enhance the depth of the subject, many workshops are organized in continuous manner.

Our department has recently signed MoU’s with various MSME organizations, strengthening industrial relations, to ensure a smooth transition from classroom to shop floor. Student Innovations have been selected by Department of Science and Technology, Government of India, while students have also been selected as interns in various Global Fortune 500 MNC’s like Cummins, GKN Automotive, Senior Flexonics etc..

Under the leadership of Mechanical department, the students remain strategically positioned for growth, and a Centre of excellence for MR Universe.

Rohan Dhawan
3rd year student at MED
Captain of Team TIFAN

The First edition of the Department newsletter was launched during the National Symposium on “INTEGRATION OF RESEARCH ACADEMIA AND INDUSTRIAL PRACTICES TOWARDS MANUFACTURING EXCELLENCE” on 25th day of February 2020.

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Inauguration and launch of HORIZON Edition #1

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INDUSTRIAL VISIT TO ACE CONSTRUCTION EQUIPMENT LTD.

Department of Mechanical Engineering on 11.02.2020 organized an industrial visit to ACE Construction Equipment Ltd. for the students of B.tech Mechanical 3rd Year. Total 58 students and 4 faculty members participated in the visit. The faculty members involved were Dr. B K Bhuyan, Mr. Prateek Mittal, Mr. Sunil Kumar, Mr. Dinesh Chawla. Ace Construction Equipment Ltd. is located in Palwal in Haryana. The company is into manufacturing of earth movers, heavy duty cranes and Agri machinery. The cranes from the capacity of 10 Tonnes to several hundred Tonnes are being manufactured in the plant. The students saw the assembly of mobile cranes in the plant. Each process was explained to them by Mr. Sudhir (Production Head). Mr. Ishwar (Manager) also explained to the students about the testing of cranes. Refreshment was also provided to the students in the plant which was a nice gesture of hospitality from the company. The department would like to thank Mr. Arun Gaur (Asstt. Professor) for organizing this visit.

INDUSTRIAL VISIT TO IMPERIAL AUTO INDUSTRIES, FARIDABAD

Department of Mechanical Engineering on 11.02.2020 organized an industrial visit to Imperial Auto Industries Faridabad for the students of B.tech Mechanical 2nd Year. Total 32 students and 2 faculty members participated in the visit. The faculty members involved were Dr. Virender Narula, Mr. Sorabh. Imperial Auto Industries Faridabad is located in Faridabad. Imperial Auto Industries is Tier one supplier of all major Original Equipment Manufacturers (OEMs) Automotive Giants including Maruti Suzuki, Tata, Mahindra and Mahindra. In addition, it is Approved global supplier to International Truck, Cummins, Caterpillar, JCB, John Deere and other OEM manufacturers overseas. A brief introduction of company was given by Ms. Minakshi, HR Manager. The students saw the assembly of flexible hoses, metal tubes and rubber hoses in the plant. Refreshment was also provided to the students in the plant which was a nice gesture of hospitality from the company.