

Department
of
Mechanical
Engineering
Presents



The First Edition of

HORIZON

FRONTIERS OF MECHANICAL

ENGINEERING

JOURNEY OF ADVANCEMENT &

ENRICHMENT

EDITION #1



Dr. O.P. Bhalla,
Founder Visionary



Ms. Satya Bhalla
Chief Patron



Dr. Prashant Bhalla,
President, MREI



Dr. Amit Bhalla, Vice
President, MREI



Dr. Sanjay Srivastava,
Vice Chancellor, MRIIRS



Dr. H.C. Rai, ED &
Dean, FET, MRIIRS



Dr. Geeta Nijhawan,
Associate Dean, FET,

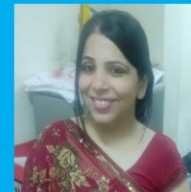
VISION OF THE DEPARTMENT

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.



EDITOR-IN-CHIEF
Dr. Manu Srivastava
HoD, Department of Mechanical
Engineering
EDITORS



Mr. Dain D Thomas



Ms. Jimmy Mehta



Mr. Sorabh

A MESSAGE FROM EDITOR IN CHIEF

DEAR READERS,

It is indeed a great honour and subject of immense delight to celebrate the launch of first edition of departmental newsletter: **Horizon-The frontiers of Mechanical Engineering 2020**. The newsletter will be published on a regular basis with 12 editions each year. Its aim is to create a platform to share our strengths, achievements, events, activities & all other relevant information, which our stakeholders including students, faculty, management, alumni, industry, parents should know. This is an earnest endeavour to bring our current students and faculty members together. Few glimpses of our past year events, our alumni, our star faculty and our memories are collated for sharing with all. As its Editor in chief, I, wholeheartedly welcome all suggestions & thoughts for quality enhancement of our department & newsletter. Our students are most beloved to us & I am glad to announce, preceding newsletters will have a dedicated student editorial section. We express our heartfelt gratitude to our patrons, especially the young & dynamic leadership of motivators like Dr. Prashant Bhalla, Dr. Amit Bhalla and Dr. Sanjay Srivastava who have placed so much trust on the capabilities of the department. I am confident that with the positive spirits and earnest efforts of all of us, we can create newer avenues and march towards brighter horizons of frontier developments in mechanical engineering. As a department, we are committed to hold the flag of our Manav Rachna family & Mechanical Engineering branch high not only on national but also on the global platforms. I congratulate my team for achieving this milestone. I pray to almighty to give us strength to excel as a person and as a department to march steadfastly towards newer horizons of hope & achievements.

Ms. Srivastava

Prominent Recruiters



A TATA Enterprise



ALUMNI SPEAK

"If not in here (MED), I would have been in peace with my average performance in every aspect of life. I discovered, there's much more to an average i.e. Excellence, which comes with proper grooming of strengths and brooming of weaknesses. Indeed the first place to teach me many lessons simultaneously. Talk about studies, professors, a learning environment, friends circle, extra-curricular, career-guidance, life lessons, and above all discipline; it gave me the best in each of these, living up to its name which implies evolution of an individual."



Aashlesha Sharma

Technical Student at CERN (European Organization for Nuclear Research), world's largest Nuclear and Particle Physics Laboratory, best known as operator of the Large Hadron Collider situated at Geneva, Switzerland

"I like looking at problems from different angles. At Mechanical Department in MRIIRS, you can get a second opinion from virtually any other perspective and you'll never have to search for a domain expert. I will always cherish the feeling of studying at the department, which focused on career enhancements along with overall skill development."



RAVI VERMA

Social security officer at Ministry of Labour and Employment, Government of India

Abhimanyue Bhagat, B.Tech and M.Tech Alumni from the Department of Mechanical Engineering, started his own company A- SQUARE INNOVATIONS which deals with Manufacturing and Trading of Retractable Seating Modules, Retractable roof systems, Sliding folding wall partitions, Dome Covers, Steel Trusses and wedding stages etc. and has been Registered in 2013!!!



CONVOCATION 2019



The Highlight of our Department are our

BELOVED STUDENTS...

When we first met them, they were just boys and girls...

2019-2023 BATCH STUDENTS



RIYA RAWAT



ROHAN SOOD



ARPIT
PATHAK



GARVIT KUMAR



SUMIT
PARIHAR



PIYUSH
JANGID



PRAFULLA
KOIRALA



AHMAD
AHSAN
FEROZ



AAYUSH
MEHTA



BHAVISH
SHARMA



HARSHIT



ANIRUDH
SHARMA



JAIDEEP
KARMAKAR



ANKIT KHAJURIA



ROHIT
SHARMA



SAHIL YADAV



ASIMUL
HAQUE



KARTIK
BHADU



AAYUSH
SINGH



KESHAV
JHA



SIDHARTH
TYAGI



AVNEET SINGH



DIGVIJAY
SINGH



JAI
CHHIMWAL



ARPIT
ARORA

2018-2022 BATCH STUDENTS



RISHABH
YADAV



BHAVISHYA
ADHANA



GAURAV
MANDIRATTA



ABHISHEK
UPADHYAY



VIKAS GIRI



AMAN
BHARGWAL



BHUVAN VIG



VAIBHAV
VASHISHT



JALAJ TOMER



SACHIN
MITTAL



NIKHIL
YADAV



TARUN
SHARMA



GURANSH
SINGH



AKASH SINGH



RAVNEET
SINGH



SUDHANSHU
RAGHAV



SHANTANU
PANDEY



PRADHYUMN



TRIYANK
MISHRA



DEV ASHISH



KUNAL
CHAUHAN



SAURABH
SHARMA



AMAN
KUMAR



CHANDERMOHAN



SONU KUMAR



PARAS
CHAUHAN



RAM
CHANDER
SWAMI



BISHAL
KUMAR



NISHANT
PREET SAIKIA



SIDHARTH
RAM



SANSKAR



ASHISH
SINGH



ATUL
JANGRA



NISCHAL THAPA



VISHAL
SHARMA



ADARSH
CHOUDHARY



AKASH
RAWAT



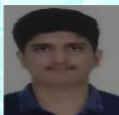
ANIKET



HIMANK
GAUBA



SACHIN
KUMAR



LAKSHAY RAI



NITISH SINGH



GAURAV
KUMAR

2017-2021 BATCH STUDENTS



Manish Dikshant Purusarth Rajan Kumar Abhishek Chirag Garg Nitesh Rohan Dhawan Saurav Rai Sarang



Priyanshu Lakshay Gupta Ranjeet Singh Das Jatinder Rajat Jain Dikshant Kumar Nitesh Bhadana Harsh vardhan S Abhishek Samuel



Mikrant Shivam Khanduri Chirag Sharma Deepanshu Sharma Pankaj Bhardwaj Tushar Chauhan Puneet Garg Vaibhav Singla



Rajat Sharma Sagar Sharma Gaurav Kumar Akash Yadav Aditya Sharma Dhruv Manish Kapoor Vikas Kumar



Rahul Negi Raj Sharma Mohit Kumar Akshay Attri Vishal Goel Ajay Hooda Gaurav Himanshu Garg



Gaurav Nitish Shivam Gautam Pallavi Nikhil Uttarksh Yadav Sanjeev



Vijay Kant Priyanshu Brijmohan Harsh Deepak Yogesh Vipul Madan Gaurav Arora

2017-2021 BATCH STUDENTS



2016-2020 BATCH STUDENTS



2016-2020 BATCH STUDENTS



PRANKUL



LALIT



MD YASIR



AMAN



AAKASH



SHIVAM



Mayank



AAKASH



ANMOL



ARUN



VIKAS



MAYANK



SANTOSH



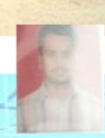
SHAHROZ



SARANSH



ANURAG



YOGESH



RITANSHU



VINAY
BHARDWAJ



KUNWAR
KAUSHAL



PARIKSHIT
VIRMANI



SHUBHAM



SHANU KUMAR



ANKIT KUMAR
KHEWERIYA



KRISH KAKKAR



KAPIL DALAL



NISHANT
SEHWARI



PRATUL
THAPAR



KUNAL
CHHOKER



RAHUL YADAV



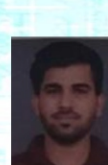
SANJEEV
KUMAR



FARHAN
AHMED



HARSHIT NANDA



MOHIT POSWAL



KEVIN S
VARGHESE



RAHUL
GARJOLA



MANAV ROY



ROHIT YADAV



RAVI YADAV



SUMEET
GODARA



JITENDER
TEWATIA



SUMIT ROY



RAGHVENDRA
SINGH



MANOJ KUMAR



DHAWAL ARORA



MOHAMMAD
SHOAIB KHAN



KULDEEP
SINGH



SAIDEEP
GHIMIRE



SAMRAT



JAIDEEP



ASHANK
SHISHODIA



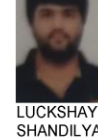
VISHAL



GURMEET SINGH



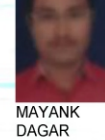
SACHIN SHARMA



LUCKSHAY
SHANDILYA



SANDEEP
SHARMA



MAYANK
DAGAR



SHIKHAR
SHARMA



RASHID OZAIR



SOURABH



SHAHID ANIS



AMIT

INDUSTRIAL COLLABORATIONS ...

INDUSTRIAL VISITS...

NSIC - Technical Services Centre (A Govt. of India Enterprise)

M/s. PPDC TDC MSME

MSME TECHNOLOGY DEVELOPMENT CENTRE
Ministry of Micro, Small & Medium Enterprises, Govt. of India

JBM Group
Our milestones are touchstones

Jai Bharat Maruti

CADD CENTRE
Skills Driven. Job Led
M/s CADD Centre

CONDOR
M/s Conor Power Products (P) Ltd.

PEP
M/s Prakash Engineering Products

HE
M/s Hindustan Enterprises

J
M/s Jangid Motors India Pvt Ltd

SMT
M/s Shiv Machine Tools

Standard
M/s Standard Refrigeration Pvt. Ltd.

M/s D C S Sales and Engineers

Multi Packaging Solutions
M/s. Multipacking Solutions

SONICA MACHINE TOOLS
M/s Sonica Machine Tools

FLOW-TECH FLOW TECH AIR COOLING TOWERS
M/s Flow Tech Air Pvt. Ltd.

SRAPL
...DELIVERING XCELLENCE
M/s Shri Ram Autotech Pvt. Ltd.



CONDOR PVT. LTD.

JAY BHARAT MARUTI LTD.



MSME, AGRA

NSIC, NEEMKA



ABOUT THE FACULTY



Faculty with exemplanory contribution

FACULTY MEMBERS WITH NICHE ACADEMIC BACKGROUNDS



Dr. Manoj Nayak
PhD From NIT, Hamirpur



Mr. Basanta Kumar Bhuyan
PhD from MNIT, Allahbad



Mr. Joydeep Chakraborty
M.Tech from IIT Delhi



Mr. Prateek Mittal
M.Tech – MNIT, Jaipur



Mr. Sunil Kumar
PhD pursuing from NIT, Kurukshetra



Dr. Manu Srivastava is presently serving the university as Director, Research and Studies, Faculty of Engineering and Technology and also as Head of Department for Mechanical Engineering. She has completed her PhD from the prestigious University of Delhi (University of eminence). She has more than 100 publications in international journals of repute and refereed international conferences out of which around 40 are in prestigious SCI/Scopus indexed journals. She is the author of four books with the prestigious CRC press- Taylor and Francis group titled: Friction Based Solid State Additive Manufacturing Techniques, Additive Manufacturing: Fundamentals and Advancements, Metal Additive Manufacturing: Principles, Applications and Advancements and Functionally Graded Materials.

She is the recipient of prestigious Teaching cum Research Fellowship, International Travel Grant, Merit Scholarship, CMTI grant, etc. during the course of her academic and teaching career. She has qualified the prestigious GATE and CAT exams more than once and is a recipient of several awards during the course of her career including teaching excellence award, merit awards, best teacher awards, proficiency awards, etc.

She is a life member of Additive Manufacturing Society of India (AMSI), Vignana Bharti (VIBHA), The Institution of Engineers (IEI India), Indian Society for Technical Education (ISTE), Indian Society of Theoretical and Applied Mechanics (ISTAM), Quality Council of India (QCFI), etc. Her field of specialization includes additive manufacturing, hybrid additive manufacturing, functionally graded materials, friction stir processing, robotics, smart manufacturing and optimization techniques.



Vinay is presently serving Manav Rachna International Institute of Research and Studies, Faridabad, India as an Assistant Professor in department of Mechanical engineering. With his knowledge on Refrigeration & Air Conditioning

Cycles and his teaching methods, made him the student's favorite in no time. He later decided to make his classes and techniques available globally through the Internet, so he came up with the idea to create Wings classes on youtube. It has several subscribers and views from several students.



Arun Gaur is presently serving Manav Rachna International Institute of Research and Studies, Faridabad, India as an Assistant Professor in

department of Mechanical engineering. He has managed MoUs with over 50 companies for mutual support for training & Placement and consultancy project work. He was also awarded by INTERNSHALA for his work.

FACULTY MEMBERS WITH NICHE ACADEMIC BACKGROUNDS



Dr. Manu Srivastava
PhD from University of Delhi (University of Eminence)



Seema Mahto
PhD pursuing from NIT, Kurukshetra



Mr. Dain D Thomas
PhD pursuing from NIT, Kurukshetra



Mr. Vinay
PhD pursuing from NIT, Kurukshetra

The Department celebrates everything together...



**THE QUALITY CIRCLE
FORUM OF INDIA,
DELHI CHAPTER**

KAIZEN CONCLAVE



ISHRAE CHAPTER



**A - QUEST
COMPETITION**



... and then there were other memories with our students...



1ST PRIZE IN THE TECHNICAL PROJECT CATEGORY AT INNO SKILL 2019



THIRD PRIZE AT ANVESHAN-19 NORTH ZONE



2ND PRIZE AT CONTRAPTION - INNO SKILL 2019



IIF EXPO

... Mechanical engineering wasn't the only thing we taught them...



Cleanliness drive in Workshop



Matra Bhasha diwas

Career guidance classes for future growth & excellence



**Faculty that celebrates together,
stay together**



Startups

Orchard India

Team: Rohan Gupta and Himanshu Garg
Mentor: Abhishek Chauhan



Tackyon Motorsport Pvt Ltd

The aim is to redesign electric vehicles so they stand out from the crowd of the huge two wheelers available in the market and to never neglect their performance abilities.

Team: Aayush Mohan, Mr. Kartik Rampal
Mentor: Abhishek Chauhan



N2 Innovations

The aim is to build an agricultural machine. It is rice transplanter which works on the principle of transplanting of rice saplings in the field reducing labour and time

Team: Nithish Kumar
Mentor: Dain D Thomas

