MISSION & VISION

Mission: The mechanical 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 students with creativity, innovativeness and entre
- Preki ness skills to develop their thinking ability, which
- Respond effectively to the needs of the industry and the ever changing world scenario.
- Conduct high quality research on interdisciplinary topics with core competence

Vision:

- To develop the department into an advance center of learning by synergizing teaching, research and learning to produce competent mechanical engineers with an exposure to interdisciplinary engineering knowledge.

ICCPROM

Manav Rachna International University organized a three day International Conference on Quality, Reliability, Optimization and Modeling with a view to providing a forum for academicians and industry working professionals to communicate and share ideas and knowledge in the relevant fields.

ACREX-17

The International Conference supported by IEEE (Institute of Electrical and Electronics Engineers) and the first in the series from MRU aims to provide a forum and interactive platform for academicians, researchers, industry personnel to share and gain knowledge on recent researches in Quality, Reliability, Optimization and Modeling. The deliberations at the Conference will not only provide the platform to rel

TEI QC Quiz

On March 5, 2017 Quality Circle Forum of India Delhi chapter and Department of Mechanical Engineering FET, MRU organized TEI QC Quiz on Quality Concept at MRU Campus Block 3 Seminar Hall 55 Teams of Engineers from 16 core engineering companies like ICF India, Texhrome India, Tata power and Two teams Manipal Vidhyakshetra of faculty members from Mechanical Engineering Department participated in TEI QC Quiz.

FOREWORD

VECTOR brings you all the contemporary news in and about the Mechanical Department, here, at Manav Rachna International University. VECTOR aims to bring to you the best advancements in the field of mechanical engineering coupled with riveting articles and exciting puzzles. Fuelled by 3 inquisitive students Ayush Narula, Harshwardhan Bhatia, Abhinav Singh Chauhan under guidance of Assistant professor, Robinson Bahadur and Head of Department (ME), Dr. Manoj Nayak.

DEFINITE DIRECTION, DEFINITE MAGNITUDE — VECTOR.

THANKS

MECHANICAL DEPARTMENT At Glance...

IN A SERIES OF CONTINUATION IN ITS LEGACY MRU IS AWARDED WITH 5 STARS IN THE RATING 2016. ANOTHER FEATURING IN ITS CAPTIVATION NAAC DEPARTMENT OF MECHANICAL ENGINEERING BOOSTS OF CODIFICATION AND EXTRA CURRICULAR ACTIVITIES BESIDES BEING A LEADER IN THE EDUCATION PROVIDER AS WELL.

Department of Mechanical Engineering organized an expert talk on Zero Defect Zero Effect on 22.10.2016 held at Block C Seminar Hall. Dr. Ashok Kumar Jain, Principal Adviser to Quality Council of India, shared his world of wisdom on the zero defect technique which is in line with the concept of MAKE IN INDIA. The production which aims at producing zero defect on the piece work and which in turn brings about zero effect on the environment which otherwise would have taken place in the process of quality control. Dr Jain apprised the audience of the lecture with the basic concepts of ZED and the intracacies involved in dealing with critical situation. He also called upon active participation from faculties to take up ZED to further heights and suggested to establish a ZED cell in the University.

Department of Mechanical Engineering (MED) in association with Sofcon India organized a two day Workshop on HVAC, Design and Drafting from 09.11.2016 to 10.11.2016 at C Block Seminar Hall. The workshop was graced by the presence of ED & Dean Dr. M.K. Soni. Dr Soni apprised students and the faculty members personnel exposed with the latest facet of HVAC and similar technologies and their wide arena of application. He also appreciated the efforts of the team in organizing such a high-profiled programme for the benefit of the students for their overall grooming to become fit for the industry.

ISHAB JOB JUNCTION 09.11.2016 to 11.11.2016 Department of Mechanical engineering had successfully organized Job Junction 2016 participated by more than 300 students from North India. 13 HVAC leading companies visited MRU Campus. Out of 51 students of our department 25 were shortlisted for placement/ final rounds.

Mr. Seema Mehta & Mr. Jeetpour Chakraborty attended a workshop on Job Placement on 09.11.2016 organized by ISIRAB at IH Indus Institute, Delhi.

D. Dr. Varinder Narula, Associate Professor, ME has recently been awarded with PhD on his thesis titled Development, Application and Comparison of Six Sigma Methodology in Service Industry by YMCA, FARIDABAD on 29.11.2016.

With an aim to explore the various industrial engineering techniques like 5S, Kanban, just in time, value stream mapping, pole diving and others charts and tools INDUSTRIAL TOUR was organized for 7th semester students on 5th November 2016 to Carrier India Pvt Limited. Mr. Kamal Manishand, Senior Manager Carrier India apprised students about the basics of the technology used by them. Also he motivated the students to come forward and take these techniques as their future project for making them a better fit for the placement.

Zero Defect Zero Effect

On November 22, 2016 an expert talk on Zero Defect Zero Effect was organized in Block – C Seminar hall, Faculty of Engineering and Technology at MRU Campus Faridabad. Dr. Ashok Kumar Jain, Principal Adviser to Quality Council of India, shared his world of wisdom and experience with faculty and student of FET, MRU.

The event was organized by Department of Mechanical Engineering, FET-MRU under the dynamic leadership of Dr. Manoj Nayak, Head of Mechanical and was guided by Dr. M.K. Soni, ED and Dean of FET.Around 60 faculty members, students of the department of FET participated in the event. The Coordinator of the event
Manav Rachna Centre of Foreign Languages celebrated the spirit of togetherness, peace and unity at Transcendence 2017, a mosaic of global harmony on 28th February 2016 with great fervor and enthusiasm. With its vision to contribute positively towards the global community the eventful day started with Solidarity March, a walk for peace which witnessed a massive participation of 600 students along with the faculty members from all the departments of the university. It was flagged off by Dr. Hanif Qureshi (Commissioner of Police, Faridabad), Mr. Ranjan Sodhi, Indian trap shooter and world cup champion, Ms. Shagufta Chowdhary, an ace Indian shooter, Dr. Prashant Bhalke, Honble President, MREI, Dr. N. C. Wadhwa, Honble VC MRU and Dr. Sanjay Srivastava, Honble MD MREI.

The day rolled off on a positive note with all the participants from various universities who were eager to participate in a plethora of events Hunt-O-Mania, Mindtune, Cinematograph, Resonance, Dazzletrain, Sumo Wrestling et al.

Hunt-O-Mania treasure hunt was a rage amongst the students in which 500 students participated. It was very meticulously planned with head-scratching puzzles which led to the next clues for the participants and the extensive routes covered the entire university. Cinematograph a scintillating movie quiz brought all the movie buffs under a single roof to compete with each other. As the name suggests, cinematograph had some perplexing Bollywood and Hollywood questions which only the true movie maniacs could crack. Resonance unveiled the poet in you as it was truly a competition of the intellectuals and geniuses who could be poet.

Transcendence had a lot to offer to each kind but every aspect resonated the feeling of global harmony, propelling all its participants towards the path of oneness. The culminating event started with a Symposium organized by Cambridge University Press which was in fact thought provoking. It was followed by an extremely enlightening Panel Discussion with eminent panelists from all walks of life - Mr. MUNCIO Vukovic, Counselor, Embassy of Bonia and Herzegovina, Ms. Geet Sarin, President, Africa Development Solution, Gurgaon, Mr. Birgit Gairnola President, Proprietor, Orange Tree Consulting and Mr. Saurabh Bhatacharya, an eminent media professional. The panelists probed into issues like inner peace and technology. Amidst all the intellectual and enlightening discussions the audience was treated with a vibrant show of cultural melange including dance and culture walk. Apart from gathering thunderous applause and appreciation from the audience, the winners of different events were given exciting prizes from Cambridge University Press and Studenting Era.

Computational Fluid Dynamics: Development, Application & Analysis

How to ‘Start-up’ for Dummies

By Harsh Vardhan Bhatia

Start-ups have suddenly become the thing for students, graduates and working class professionals. Primarily because of the numerous success stories such as PayPal, Flipkart, Ola Cabs etc. Little do they know what it takes to be the BIG GUNS.

Here are 10 tips to follow if you have a budding Elon Musk in you!

Desire: Create a start-up because you have a unique, ingenious idea. Not because Sharmaji ka beta has one. Most start-ups fail at their budding stages because of the lack of intent. Research well on your idea and make sure something similar does not exist. If it does, find out ways to further enhance it to the point where your adjustments make it better and different. Don’t plagiarize!

Funding: The best way to raise money is to pitch your idea to investors. You may be required to invest some money from your end to build a prototype. This is seed money. You may also approach a bank for loan but make sure you have a steady income flow to pay back the loan and simultaneously run household.

Self-Discipline: Self-discipline is key if you want your idea to turn into a successful business venture. Create a budget and STICK to it. You don’t want your compa ny to be in debt before it is even recognized. Plan ahead. Build to-do lists and achieve daily/weekly/monthly targets.

Be Realistic: Be realistic in your approach. No you cannot build 10 apps in a week with a 3member team. Building a User able product takes time and effort. Focus on quality rather than quantity. Find out what people want and build on it.

Don’t hire too quickly! You cannot run a company on your own and you require some helping hands. But be careful who you hire. Don’t hire your dad’s friend daughter just because she is from IIT. Hire someone who shares the same passion and vision as you. You do not want to end up at a workplace where you cannot trust your colleagues.

Test and Re-test: You want the people to receive the best out of you. Make sure your product is tested multiple times under multiple conditions until failure. You do not want your inbox filled with bug reports that are too much for you. Sure, some errors might escape your first judgment but always double check before you release a product.

Deliver when promised: Nothing blurs the name of your company more than false promises. If you have promised Khanna Sahab 20 pieces of your product on the 1st of the month, then DE’LIVER it. Even if you have to pull a couple all-nighters. That only makes you a trusted brand but also gains you more clientele.

Yours Not the Only Onion: Are sure to have competition and more than often, a fierce one. Regularly innovate and device new techniques to enhance your services. The market prefers those who deliver and deliver well.

Have a Plan B, C, D, E, F: Sure, your idea is fantastic but that does not mean that it will guarantee you a cover picture in the Time Magazine. Being optimistic is good but be realistic too. In the worst of circumstances if your plan doesn’t work out, have something to fall back on.

Ground Rule: You want a successful business? Simple. Earn more than you spend!