

VECTOR 2018

A Quest

The competition was held in very healthy environment. The Inauguration Programme started at 10.30 AM & was graced by August presence of our Pro-Vice Chancellor & ISHRAE Honorary Corporate Member Dr M.K. Soni, Executive Director & Dean (FET) Dr Krishnakant & President Elect (ISHRAE) Mr Subir Das along with our HOD Dr Manoj Nayak. It is important to mention that Dr M.K. Soni & Mr. Subir Das have been playing a pioneering role in developing the mutual collaboration of ISHRAE & MRIIRS as well as providing with Exposure of MRIIRS with the Corporate World.

In his short speech Dr M.K.Soni explained the importance of Industry-Academia interrelation in the modern developing world for betterment of students in long term. Mr Subir Das praised MRIIRS & Dr M.K.Soni for complete support of MRIIRS in developing our relationship with Corporate world. Dr Manoj Nayak provided with vote of thanks.

Thereafter the programme of Quarter Final Quiz Competition started. 13 no. of University/Colleges & 30 participants from whole of Northern India which qualified for the Quarter Final Round (including students of MRIIRS) participated in the Quiz Competition which was held by using latest Wi-Fi Technique. The Final Winners were Mr Shubham Kumar & Mohd Samad from Anand College, Agra who will be heading to Pune with complete sponsorship of Hitachi for participating in the Semifinal Round.

VISION

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

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 creativeness, innovativeness and to develop ability to think out-of-the-box and 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 programmes.

FOREWORD

VECTOR brings you all the contemporary news in and about the Mechanical Department, here, at Manav Rachna International Institute of Research and Studies. VECTOR aims to bring to you the best advancements in the field of mechanical engineering coupled with riveting articles and exigent puzzles. **Ayush Narula, Harshwardhan Bhatia, Abhinav Singh Chauhan** under guidance of **Assistant professor, Ashish Saxena and Head of Department (ME), Dr. Manoj Nayak.**

Definite Direction, Definite Magnitude : VECTOR.

PEO1- To prepare mechanical engineering graduates with an outstanding knowledge of mathematical, scientific, engineering, technology, management, humanities and various other interdisciplinary subjects for a successful career.

PEO2- To equip students with modern tools/technology and advanced software for deliberating engineering solutions.

PEO3- To equip students with broad based knowledge to support the service industries, economic development and to address social and engineering challenges of the nation.

PEO4- To inculcate students with managerial/leadership skills with high level of integrity and ethical values for team building and team work.



EDUMEET was organized by Mitsubishi Electric, India in association with Punjab Engineering College, Chandigarh on 19th January, 2018.

EDUMEET



STUDENT ACHIEVEMENTS



Our student Aashlesha Sharma got selected as a 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 with a monthly stipend of 3283 CHF (₹ 2,24,130.05 INR) and travel allowances. At CERN, the European Organization for Nuclear Research, physicists and engineers are probing the fundamental structure of the universe. Founded in 1954, the CERN laboratory sits astride the Franco-Swiss border near Geneva. It is one of Europe's first joint venture which now has 22 member states including India as an associate member state from year 2012, that costs India Rs 78 crores approx. Also, renowned for the discoveries that include 'God particle', 'world wide web', 'LHC', 'Charge Parity Violation' and many more Noble Prize winning inventions. It is an opportunity for Manav Rachna International Institute of Research and Studies (MRIIRS) to present our student among the top 30 selected worldwide. CERN provides various student opportunities including Doctoral Programme, Fellowship Programme, Technical Student Programme, Administrative Student Programme, Summer Internship, Short Term Internship with several learning opportunities with perk and privileges. She has a keen interest in the field of Astrophysics and related sciences.

TALENT SHOW



FACULTY / STAFF TALENT SHOW on 20TH JANUARY 2018 IN A - BLOCK AUDITORIUM FROM 12 PM TO 3 PM

Following faculties represented mechanical engineering department in the mentioned events and won hearts of the audience present by their artistic prowess in the respective categories

- 1. Robinson for Poetry**
- 2. Subendu Kumar for Singing**



MBA ROADIES QUIZ on January 31, 2018 at the T-block Auditorium.

Faculty of Management Studies, MRIIRS organised an event titled "MBA Roadies 1.0" for the final semester students with various disciplines. 2 teams of students representing Mechanical Engineering Department, FET, MRIIRS were selected out of 20 teams to participate in the MBA Roadies 1.0 quiz competition organized by FMS at T-block auditorium. The quiz covered topics like current affairs, science & technology, sports, media, audio-visuals and many more. Harsh Bansal And Shubham Pathak from 8th Semester participated in the Quiz competition and has brought laurels for the department by their mental prowess and their updated knowledge about the current affairs and related areas. Their teamwork has enabled them to win the quiz competition with second prize in the event.



GERMAN ENERGY TRANSITION EXHIBITION

Indo-German Energy FORUM (IGEF) has brought a Touring Exhibition "Deutschland's Energiewende" (Energy Transition in Germany) to India. The exhibition has been put together by the German Federal Foreign Office and GIZ India at Manav Rachna International Institute of Research and Studies (MRIIRS) Campus from 22nd January to 3rd February 2018. The exhibition highlights the importance of energy efficiency and renewable energy for the future.

Inauguration of Germany Energy Exhibition was held at MRIIRS on 22nd January 2018. Mr. Tobias Winter, Director, Indo-German Energy Forum (IGEF); Mr. Anil Kumar Bellary, Co-Director, IGEF, GIZ India; and Mr. Michael Reck, a Project Associate at IGEF presided over to inaugurate the exhibition. The event was also graced by the revered presence of Dr. N C Wadhwa, Vice-Chancellor, MRIIRS; Dr. Krishan Kant, ED and Dean, Faculty of Engineering and Technology (FET), MRIIRS; and Mr. Manoj Nayak, HoD, Department of Mechanical Engineering, MRIIRS, and other faculties of MRIIRS.

Mr. Anil Kumar Bellary gave a brief introduction about the exhibition and said that the exhibition will give you a glimpse of how far Germany has travelled in the field of Renewal Energy. "Through Renewable Energy, our major concerns are Job, Climate Change and Environment Protection, E-mobility, and Transport", Mr. Tobias Winter said.

The exhibition was inaugurated by all the dignitaries present, which was followed by the brief explanation of exhibition by Mr. Michael.

