

**MANJARA CHARITABLE TRUST**  
**RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI**  
(Permanently Affiliated to University of Mumbai)  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
(UG Program - NBA- Accredited; PG in Heat Power and Ph.D. Technology)

**Action taken report during Academic Year 2021-22**

**Department Advisory Board Meeting dated 9<sup>th</sup> August 2021**

**Date: 12/07/2022**

**Reference:**

Minutes of meeting of Department Advisory Board meeting dated 9<sup>th</sup> August 2021

▪ **Updated Vision Mission statements of the Department**

The vision, mission statements of the department were revised as per the suggestions given by the advisory board members and other stake holders. The statements are drafted in accordance with the vision, mission statements of the institute. The revised vision & mission statements of the department drafted by the department committee are as follows.

**Vision**

To create competent technical professionals in Mechanical Engineering with ethical behavior and environment consciousness.

**Mission**

1. To provide contemporary and cutting-edge technical education in Mechanical Engineering
2. To provide an ambience which nurtures research ideas in futuristic domains of Mechanical Engineering
3. To initiate project based learning and practical exposures in the area of Mechanical Engineering
4. To direct faculty in research and consultancy advisory roles.
5. To establish strong linkages with well-known national and international technical institutes
6. To promote the culture of imbining environmental care and eco-friendly designs
7. To become a department of aspiration & choice

▪ **Discussion on Curriculum gap identified R19 C Scheme syllabus**

Special lectures/workshops were arranged on curriculum gap identified by course faculty or departmental senior faculty for better understanding of subject knowledge.

Sr. No	Gap	Action Taken	Date-Month-Year	Resource Person with designation	No. of students present	Relevance to POs & PSOs
1	Design for manufacturing of product with emphasis on product design and PLM	Workshop on Solidworks	28 to 30-03-2022	Vinayak Bhat	27	PO2, PO3, PO4, PO5, PO10, PO12, PSO1, PSO2

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2	Understanding the concept of clean room fire, rated duct and its selection criteria	Energy Conservation using Engineering Efforts	18-12-2021	Mr. Saikat Das, Energy Analyst & Strategist	40	PO2, PO5, PO10, PO12, PSO1, PSO2
3	Design for manufacturing of product with emphasis on product design and PLM	Advanced Product Designing & Analysis Software	26-02-2022	Mr. John Mathew, Managing Director, CADD Center & Mr. Sandip Nair, GM, CADD Centre	78	PO4, PO5, PO10
4	Awareness and prospects in pursuing management studies	Opportunity on MBA in India	13-10-2021	Mr. Vishesh Nadiana, IIM C Alumnus	86	PO3, PO6, PO12
5	Awareness on pursuing higher education in foreign countries	Webinar on MS in Abroad	02-10-2021	Ms. Nidhi Rangari & Abhijeet Bhati, MakinGrad Overseas Education Consultants Pvt. Ltd	80	PO5, PO6, PO7, PO12
6	Ability to virtual representation of the product to simulate and predict its performance in the context of reverse engineering	Unlocking Industrial Potential of Digital Twin	04-10-2021	Dr. Santosh Rane, Dean Academics, SPCE	59	PO1, PO12, PSO2
7	Ability to use reverse engineering in the perspective of new product development	4-D Printing- New dimension in Manufacturing	18-09-2021	Mr. Amit Ghule, Co-founder Simpliforge Technologies Pvt Ltd	90	PO4, PO5, PSO1
8	Effective professional networking	Unlock the power of LinkedIn	09-09-2021	Mr. Tejas Sawant. LinkedIn expert & Instrumentation Engineer	43	PO6, PO8, PO10, PSO2
9	Role of multi-disciplinary engineering in reducing the global warming, pollution and waste generation	Webinar on Role of Multi-Disciplinary Engineering	24-09-2022	Mr. Prathmesh Upadhyay	56	PO6, PO8, PSO1
10	Industry readiness, usage of modern tools and technologies	Millennials in Stem	10-08-2022	Mr. Dinesh Vishwakarma, Senior Security Consultant, Ernst & Young Global Limited	27	PO8, PO11, PSO2
11	Ability to apply data analysis tools in product designing	Advanced Product Designing & Analysis Software	26-02-2022	Mr. John Mathew, Managing Director, CADD Center & Mr. Sandip Nair, GM, CADD Centre	37	PO6, PO8, PSO2

- **International Conference on embracing Industry 4.0 technologies for sustainable growth (ICEI4.0) on 17th to 19th February 2022**

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International Conference on Embracing Industry 4.0 Technologies for Sustainable Growth was intended to discuss modelling, design, analysis, manufacturing, and testing of smart industrial technologies. As suggested by the advisory board members the ICEI4.0 covered various themes and technologies with varied programmes conducted across three days from 21<sup>st</sup>-23<sup>rd</sup> April 2022. The general programs conducted during the conference are listed below

- ❖ Research Article Presentation
- ❖ Doctoral consortium
- ❖ CEO meet and networking session
- ❖ Total Quality Management: Case Study competition
- ❖ Panel Discussion
- ❖ Quiz Competition
- ❖ Success Stories of Industry 4.0 in SME
- ❖ Hackathon

Each event had received substantial participation from Undergraduate students, research scholars, Academia and industry professionals, thus making the ICEI 4.0 a grand success.

▪ **Focus areas for academic year 2021-22 from placement point of view**

As suggested by the advisory board members the faculty members of the department were asked to find out the core companies in their thrust areas (Design/Thermal/Manufacturing) and send the list to the Placement cell. A database of core companies and contact list of HRs has been prepared by the TPO cell the same.

Students of the department are now encouraged by the faculty members to undertake multidisciplinary projects along with RGIT faculty members with support from Institute- in the area of Artificial Intelligence, Machine learning, new products/services for water, power, sanitation, in rural, tertiary towns. This will help the students to develop industry ready skills which are relevant to fetch a good job in current scenario.



**Dr R. V. Kale**

**Head, Department of Mechanical Engineering**