

Minutes of Meeting

Industry Advisory Board Meeting in the Mechanical Engineering Department is conducted on Tuesday, 7th January 2021, between 3.00 pm to 6.00 pm in Classroom 13 and the following points were discussed in the meeting.

- 1) Head of Department greets to Industry advisory board members Mr Shree M Phadnis, Triz Asia, Mr Ashutosh Deshpande, DGM Mahle Engg Services India Pvt Ltd, Mr Ajay Wadekar, GM Mercedes Benz India Pvt. Ltd., Mr Anand Mahurkar, Krishna & Saurastri Associates, Mr Abhijit Deshmukh, Eaton Technology Pvt. Ltd., Pune, Dr Rajesh Keoti, DGM Tata Motors Pune, Mr Chetan Tholpady Country head Divisional Manager Emerson Climate tech Pune and all faculty members for Industry Advisory Board Meeting.
- 2) Head of the Department briefed the meeting agenda to all members and appealed to all committee members for open discussion and suggestions on curriculum contents.
- 3) Dr. M. R. Nandgaonkar thrown lights on the structure and course contents prepared by Mechanical Engineering Department.
- 4) During meeting Mr Shree M Phadnis, CTO Triz Aisa has given the presentation on various Case studies carried out by industry on actual problems. He explains the methodology for studying the problem and has raised a point which is missing in our curriculum. He stressed on how to integrate the knowledge effectively. He appealed all participant members to give actual industry problem to students in terms of project work and be a time bond for a solution. Education should not be a domain specific but it should be comprehensive. Small innovations and optimisation is mantra for success in business. Teacher has to shift his role from teaching to coaching.
- 5) Presentation Mr Ashutosh Deshpande DGM MAHLE Engg Services India Pvt Ltd. Pune Members suggested the modification in course. He has pointed that as an industry perspective about the course contents related to plastic technology and product design, Six Sigma, Battery Electric Vehicle Technology, related to dimensional management, Quality Control etc, He emphasised such type of contents add in Mechanical Engineering curriculum. He also added to incorporate the knowledge of softwares like UG-NX, MATLAB, MINI TAB, CAE simulations etc. and also conduct small case studies on software-based for students.
- 6) Presentation by Mr Ajay Wadekar, GM Mercedes Benz India Pvt. Ltd has suggested that to do the best or nothing and he also expressed his concerned about electric mobility and upcoming filed. He also appreciated the attempt which our department have made to start the post graduate diploma in Electric mobility.

- 7) Mr Anand Mahurkar KRISHNA & SAURASTRI ASSOCIATES has highlighted the point related to the involvement of students and faculty in innovations. He has suggested selection of the project ideas for B Tech and M Tech project work should be innovative, novel and there should be originality in it. All patentable ideas should be made commercialize. He appreciated the attempt made by Prof. M. P. Khond with his B Tech students and handed over the certificate of recently awarded patent of two wheeler design.
- 8) Mr Abhijit Deshmukh, and Krishna Ghatage from Eaton Technology Pvt. Ltd., Pune has appreciated the efforts taken by COEP to implement the industry floated courses such as Electro-hydraulic system. He pointed out that to transfer the knowledge to COEP faculty, teachers involvement should be required. Second constraint which he has pointed out that the timing of the lectures is more challenging to share the knowledge to students from an industry person. Mr. Abhijit sir has suggested adding interdisciplinary courses right from the first year in the curriculum.
- 9) Dr Rajesh Keoti, DGM Tata Motors Pune has to suggest to give more focus on the recent development of industry and add the contents related to such areas such as hybridization, fuel cell technology, fuel economy, bio-diesel implementation etc.
- 10) Presentation by Mr Chetan Tholpady Country head Divisional Manager Emerson Climate tech Pune suggested adding content related to new standards of material, process, testing procedure etc. in the syllabus. He said that some credits for communication skill and quantitative techniques. In the current situation, online teaching will help to give more hands-on experience to students to improve the employability of the student.
- 11) During the interaction, the faculty have shown their concern and raised some of the issues regarding the academic activities particularly about the teaching process, curriculum development, project selection and consultancy.
- 12) Dr. S. N. Sapali appealed to all industry invitees to share their experiences by taking some part of our syllabus under co-teaching. Mr Chetan Tholpady has suggested identifying the more specific area of the syllabus, where industry person can extend their help by sharing expertise. This gives more practical exposure to students to tackle live problems.
- 13) Dr. R. N. Ladhawe asked members of the Industry Advisory board to absorb the maximum number of students for internship. Mr. Shree M Phadnis and Mr Ashutosh Deshpande have pointed out that the key role of coordinators to generate the rapport with the industry persons and get the problems from industry. Mr. Phadnis and Mr Deshpande also appealed to the institute about the confidence that students will work on the problem up to the results.

- Industry always wants the third angle to view the problem solution. This process will benefit the industry as well as the institute.
- 14) Mr Ashutosh Deshpande has suggested that for final year students make it compulsory to present the project plan, where they will learn the product development analysis.
 - 15) Dr. M. P. Khond raised the point related to the necessary expected change required in teaching in the present scenario. He said that in the last 30 year the dimensions of academic has changed drastically under such situation. Industry professional should share their views to change teaching-learning style and orientation which will make students more competent.
 - 16) Dr. Vishal Bhalla asked about the collaborative approach to solve the industry problems.
 - 17) The meeting is compared by Mrs. Nikita Gawai and Mr.S.N.Tapase, Mr. P. W. Deshmukh extended their help in coordinating the interaction. Prof. M. P. Khond coordinated the event. Total 25 faculty, 6 PhD scholars and M Tech students attended the meeting.
 - 18) The meeting is ended with vote of thanks, expressed by Miss. Priyanka Surayawanshi.