

DEPARTMENT OF INDUSTRIAL & PRODUCTION ENGINEERING

Welcomes



**Members
Industrial Advisory Board (IAB)**



7th Meeting(Virtual)

<http://meet.google.com/ive-bsai-afs>

27th February, 2021

Prof. Dr. Rajesh Chaudhari

Faculty In-charge Industry Advisory Board

Agenda

VI

- Welcome of IAB members: Prof. (Dr.) G.N. Kotwal
- Review of the minutes of a meeting of the 6th IAB: Prof. (Dr.) R.J. Chaudhari
- Overview of the department and institute: Prof. (Dr.) G.N. Kotwal
- “Online education opportunities and challenges”: Views and Suggestions of IAB members
- Concluding address by Mr. Nitin Gawhane - Chairman
- Vote of thanks: Prof. A.U. Rajurkar

Highlights of 6th IAB meeting (7th Feb. 2020)


GNK

- Prof (Dr.)G.N. Kotwal- Head of IPED, Welcomed IAB members, Faculties and Students, 4 New members joined in the forum. Mr. Rajesh Agarwal, Mr. B.V. Joglekar, Mr. R.V Apshankar & Prof R.K.Ambegaoankar
- He highlighted department and institute activities

RJC

- Prof. Dr. Rajesh Chaudhari Presented highlights of 5th IAB meeting
- He also presented professional body activities under IIF and IIIE student chapters in the department.

GGD

- Prof. Dr. Ganesh Donge – Dear R& D presented Research status of department as well as at Institute level
- He also updated about ongoing and completed projects in the department.
- Total research grant of 1.6 Cr was received through various research agencies such as ISRO,,DST, BCUD etc

SD

- Prof. (Dr.) Shripad Bhatlwande- Dean Industry
- Industry explained the methodology by which institute is ready to connect with industries by various ways such as training, projects, consultancy and research activities.



Mr. Jagdish Avachat	Mr. Sagar Rathi	Mr. Mahadeo Gite
Mr. Nitin Gawhane	Mr. Mangesh Agnihotri	Mr. Chetan Chaudhari
Mr. Rajiv Kulkarni	Mr. Ravi Khare	Mr. Nitin Ambi
Mr. Ajay Holey	Mr. Atul Gaikwad	Prof.(Dr.) G.N. Kotwal
Faculties of	Industrial and Production	Engineering

Review of 5th IAB Meeting April 2019

VI

- 11 Members from Industries, Department Faculties and 9 student representatives attended the meeting
- IAB Members visited three laboratories developed for ISRO project work.
- Prof. Dr. Girish Kotwal welcomed IAB members, faculties and students.
- Mr. Ravi Khare handed over the charge of IAB Chairman to Mr. Nitin Gawhane.
- Mr Ravi Khare felicitated by Prof.(Dr.) Girish Kotwal for valuable contributions as a Chairman of IAB from 15th March 2015 to 5th April 2019.
- Mr. Nitin Gawhane accepted responsibility as a Chairman of IAB & meeting was headed by new chairman.
- . Prof.(Dr.) Rahul Waikar –Dean Academics presented new syllabus structure and assessment pattern.
- Prof.(Dr.) Ganesh Dongre informed about 5 ISRO sponsored research projects in the department.
- B.Tech Final year students Mr Mayur Pawar & Koustubh Lahoti presented their new start up company Wingrow –Vegetables, Fruits from Farmers to Customer.

Mr. B.V. Joglekar – Industry Consultant

Requirements of small and medium enterprises. There is a need to provide solution for these companies. Requirement of expertise in the failure analysis of components. Very few laboratories are available in Pune for failure analysis of components. SME industry depends on engineers with practical experience in analysis of materials and components.

Mr. R.V. Apashankar: Director -Energy Systech

Guidance for students in the area of heat transfer and melting techniques. He can also offer services and products related to heating and melting systems. He advised encouraging students and teachers to ask questions without prejudice. He suggested developing an atmosphere of inquisitiveness and scientific temper.

Mr. Rajiv Kulkarnii- Director-Kulkarni Engineers Pvt Ltd

Informed that his company is working in Stainless Steel fabrication. He is working with the scheme of “Har GharNal Ka Jal” for Bihar. He is supplying 500 units for above project. He invited students and faculty to visit his plants at Shrivall, Bhosari and Kothrud. He also suggested developing wooden material handling for transport manufacturing. He appreciated progress of the department.

Mr. Rajesh Agarwal-Director-Techsense Engineering Services

He advised that curriculum should be focused on application of basic engineering problems in industry. He also advised to guide students at an early stage about opportunities available in industries in various fields so that they will focus on industry-readiness for employment. To arrange Industrial Visits in the die casting area. He is also ready to talk on die casting process and design. He will offer projects to the students in the above field.

Mr. Nitin Tilak- GM CMS CTED- Tata Motors

Expressed that there is a need of expert metallurgist for new product developments and analysis. He is willing to extend cooperation in IoT 4.0. He also expressed that awareness of safety and discipline in industry is important for engineers who are working on the shop floor.

Mr. Abhishek Junnarkar-GM Reliance Jio

Asked about impact of research projects and what are the values generated from the project. He said that there is a need of development of algorithms instead of software development. He suggested that all subjects do not need ppt presentation. He said that students should talk for 10 minutes without ppt. First Year courses should focus on basic engineering subjects instead of research and patents. Physics and Chemistry subjects are required to bridge the gap of applications in engineering. Placements and employability problems are due to lack of analytical mindset of student. Students should focus more on basic concepts and core knowledge of respective branch. Curriculum to be presented

Prof. R.K Ambegaonkar- Former Dean Faculty of Engineering SPPU

Expressed that industries are not getting good students. Creativity amongst students is killed. He advised do not convert engineering colleges to ITI. He said that engineering colleges have own ideas and not to run behind ready engineers. He insisted more on interactive teaching-learning in the classroom as it has human touch as compared to online learning courses.

Mr. Pranav Patil- Director- Patil Partners

Going back to basics of Industrial Engineering for the benefit of industry. Awareness of safety is missing in technical education. He suggested for circular seating arrangements in the laboratory for interactive teaching-learning process. He suggested that students should come prepared before class for quizzes. Only 10% of the class is participating in interactive teaching-learning. He also noticed ventilation in the conference hall is missing. There is a need of cross-ventilation to improve the efficiency of people for long sitting in the conference hall. He was also pointed out that chairs in conference hall are in bad condition and no stopper to door. His intention was to apply engineering principles and ergonomics in day to day life.

Mr. Jagdish Avachat- Consultant

Highlighted on work-life balance. Role of teacher is changing due to current challenges. He has suggested for MOOCs online courses to be adopted by VIT. He suggested for increase in frequency of IAB instead of once in year.

Mr. Atul Gaikwad-Project Chief- FCA Engineering India Pvt Ltd

suggested increasing in core subjects in Production Engineering as well as Industrial Engineering. He explained importance of fundamental core subjects in Industry practice. He also gave suggestions on online assessment of student. He is willing to talk on hot stamping. He also expressed the current requirements of industry to be ready for BS-VI and Electric Vehicles. He suggested creating Linked-In IAB group for regular interaction and up gradation for knowledge sharing. He suggested increasing the frequency of IAB meetings. He also appreciated M.Tech course collaboration with John Deere.

Mr. Mahadeo Gite : Manager- ABM Drive India Pvt Ltd

Insisted to focus on core subjects and fundamentals of engineering. He appreciated significant developments in the department and institute since last IAB meeting. He is willing to talk on Drives of Electric vehicles. He is willing to offer project in gear box and electric motors.

Mr. Sagar Rathi; Director Comfort Solutions

Appreciated research facilities and research culture among undergraduate students. He is willing to talk on Procurement and Supply chain Management; Project Management. He said that he will allow our students for summer as well as semester internships. He will also support us for industry visits for students. He also appreciated over all academic structure and syllabus for over all development of student.

Prof.(Dr.) Suhas Joshi – Professor –Mechanical Engineering-IIT Bombay

Advised that industry trends are changing and institutions need to adopt and synchronize with the industry requirements. He said that now the job of a professor is teaching, research and innovation. Students should mould themselves according to their career paths such as entrepreneurship, applied research or education. Education system should explore in all directions. There is a need to form strong alumni network and industry to mentor the students for the current requirements and trends of industry. There should be flexibility in the learning.

Meeting Summary

Mr Nitin Gawhane(Chairman of IAB); Sr. GM R&D , Training ThyssenKrupp

Summarized IAB meeting with consideration of overall views expressed by IAB members. He noted that traditional teaching have values of human interactions. He advised do not frequently experiment students and faculties with frequent changes in the curriculum structure and assessment systems. He said that institutes cannot make tailor-made students for each type of industry. The objective of undergraduate education is to prepare students with a well blend of theory and practical knowledge. More learning occurs when physical interaction exists in the teaching-learning process. He expressed that there is a need to increase frequency of meeting and standardize day for interaction. He asked to plan industry visits for students according to curriculum. He also advised to share presentations before IAB meeting which will save a time of meeting and members will contribute their views effectively in the meeting. IAB member's visits can be organized to the industry.



Thank you!