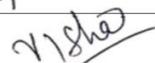


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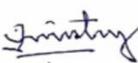
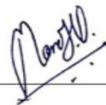
Advisory Committee Meeting dated 24 November 2017

The meeting of Advisory board committee of Mechanical Department was held on 24th November 2017.

Hon. Board Members attended the meeting

Sr. No.	Board Member	Designation and Company	Signature
1	Mr. Mahendra Kapadia	Ex- Larsen & Toubro	
2	Mr. Subodh Sant	Chief Manager, Siemens Ltd, Mumbai	
3	Mr. Rajesh Kadu	Vice President, Ashtavinayak Infra Ltd, Mumbai	
4	Dr. Prashant Khakse	Sr. Engineer, Air India	
5	Dr. N R Gilke	Professor, KJSCOE Mumbai	
6	Mr. Gautam Dubey	Director, Deepti Air Systems And Fabrications Pvt. Ltd	
7	Mr. Vishal Doshi	Director, Industrial Engineering Corporation	
8	Mr. Akshay Kalyanpur	Director, Shridevi Tool Engineers Pvt. Ltd. Mumbai	
9	Ms. Miloni Thakkar	Sr Manager, KLT Automotive & Tubular Products	

Hon. Invited Guests attended the meeting

Sr. No.	Name	Designation and Company	Signature
1	Mr. K V Srinivasan	Incharge, Low Temperature Facility. TIFR Mumbai.	
2	Mr. N B Kulkarni	Deputy Divisional Head, Toyo Engineering India Pvt. Ltd.	
3	Mr. Dnyaneshwar Shingrup	SR.AGM, Engineering Avionics, Quality Head, Air India Engineering Services Ltd	
4	Mr. Firdosh Mistry	Head, Corporate Technology & Engineering Academy, Larsen & Toubro	
5	Mr. Vidyadhar Takale	Assistant Manager, Operations, Godrej Industries, Mumbai	
6	Mr. J V Mane	Scientific Officer, BARC Mumbai	

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Following Faculty Members attended the meeting

Sr. No.	Name of the staff	Signature
1	Dr. U. V. Bhosle	
2	Dr. S. U. Bokade	
3	Dr. K. M. Chaudhari	
4	Dr. R. V. Kale	
5	Prof. R. Y. Kurne	
6	Prof. N. K. Deshmukh	
7	Prof. V. B. Sawant	
8	Prof. A. G. Londhekar	
9	Prof. S. D. Gaikwad	
10	Prof. N. B. Shahapure	
11	Prof. N. N. Bhostekar	
12	Prof. M. R. Valse	
13	Prof. A. A. Vyas	
14	Prof. R. M. Siddiqui	
15	Prof. P. M. Deshmukh	
16	Prof. N. J. Panaskar	
17	Prof. M. S. Marathe	
18	Prof. P. R. Potdar	
19	Prof. R. R. Gujar	
20	Prof. V. V. Goel	
21	Prof. C. R. Rane	
22	Prof. P. R. Paul	
23	Prof. A. V. Gotmare	
24	Prof. D. S. Pandey	
25	Prof. Nikhil V. S.	
26	Prof. D. K. Chakradev	



Faculty members along with invited guests:- Mr. K.V. Srinivasan, Mr. N.B. Kulkarni, Mr. Dnyaneshwar Shingrup, Mr. Firdosh Mistry, Mr. Vidyadhar Takle, Mr. J.V. Nane.

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Advisory Board Members (from left to right:- Ms. Meloni Thakkar, Mr. Akshay Kalyanpure, Mr. Vishal Doshi, Mr. Gautam Dubey, Dr. N. R. Gilke, Mr. Subodh Sant

Agenda of the Meeting

1. Review on the action plan based on the Advisory Board Meeting dated 16/12/2016
2. Identification of the curriculum gap
3. Students Employability
4. Quality Improvements initiatives
5. Industry Tie-ups
6. Industry Sponsored Projects
7. Any other relevant point with the permission of chair

Minutes of Meeting

1. The meeting started with an address by **Dr S.U. Bokade (HOD, Mechanical Department)** extending a warm welcome to the advisory board committee members and a sincere gratitude was expressed towards all the members present for the meeting.
2. **Principal Dr Udhav Bhosle** requested all the advisory board members and the invited guests to introduce themselves.
3. The meeting proceeded with a presentation by **Dr S.U. Bokade** informing the gathering about the training organized for students at Reliance's Dahanu Thermal Power Station, L&T Corporate Training Centre, Madh. **Dr. S.U. Bokade** updated the meet on 'Action taken plan' on the suggestions received during the previous Advisory Board Meeting held on 16 December 2016. He explained in detail the agenda of the meeting and emphasized on identifying the curriculum gap.
4. Department organized invited talks on the topics advised in the last Advisory Board Meeting.

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5. The roles and responsibilities of the advisory board committee was discussed in length
6. NDT level I & II programs were suggested but the plan is still at hold and yet to be materialized as the NDT training is too costly.
7. Emphasis on taking sessions on improving emotional quotient of the students. Workshops to be conducted were discussed. A seminar on ‘carbon foot print’ is yet to be materialized.
8. Report of action plan conducted by the college on the basis of the previous advisory board committee meeting was submitted to all the board members and Hon Principal **Dr. Udhav Bhosle**.
9. The meeting was further directed towards the major topic of finding the gap in curriculum and identifying the scheme to bridge the gap would be made by the faculty member.
10. To do so the categorization of the system was done in 4 major groups i.e. **Manufacturing, Thermal, Design and Management**.
11. The enthusiasm of the faculty members was thoroughly appreciated by the board members. It was further said that the thought bed was already set and it was the need of the hour to pen down to create a valid vision which would frame the success of the meeting.
12. Young corporate were compared to ‘Men sitting on Horses’ and they were expected to gallop with the meager knowledge they possess.
13. Market and performance was suggested as the driver and the main hurdle were time issues. Handling ample of things in a short span is a major challenge. So the first point that was stressed on was how to handle time issues i.e. make the corporate capable enough to handle stress in a short span.
14. First group that was discussed was **Thermal group** and the following suggestions were given:
 - Knowledge of cryogenics is essential and need of the hour. Topics such as Air handling units-dampers, Vacuum Technology-importance, vacuum pumps should be included.
 - Hands on practice on vacuum technology to be included.
 - Commercial courses and software such as HTRI for Heat exchanger Design were suggested. Tutorial to be conducted for this software.
 - Radiation heat transfer knowledge to be imparted. International journals to be made available to the students.
 - Software on CFD analysis to be included. Simulation of fluid flow in fluid mechanics lab to be introduced. Backhand information of topics like air handling units, combustion units to be included.
 - Lab practice to be given equal weightage as theory. Assignment on understanding of one particular topic in each subject to be given to the students. Energy concepts to be updated and classified.
15. The next group that was discussed was **Design engineering** and the following points were discussed:
 - Design to be divided into two parts i.e. skill set and modeling.

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- Tolerance topic to be discussed in a detailed manner. Fundamentals of mechanical elements to be included. Emphasis on clearing the basic ground details of various design components which is usually neglected.
 - Software to be taught in detail. Along with 3D drawings emphasis should also be on 2D drawings. Only a brief explanation of the software to be given and students should be allowed to explore the software on their own.
 - Fracture mechanics to be included in the curriculum. Reliability analysis and fracture analysis to be included in the syllabus. Slicing concept to be introduced along with the other software.
 - Not only the implementation of the software but how to use them to deal with day to day problems should be taught to the students,
 - ASME standards to be elaborately discussed. Case studies on real life issues to be given. Condition monitoring topic to be discussed with the students in length.
 - Software tutorials to be conducted to cover a large spectrum of design criteria. Microstructure analysis and couple analysis software to be introduced. Understanding of basic design regulations to be emphasized on.
 - Theory should be given minimal time and a large amount of time to be invested to sensitize and create interest in practical work. So basic reformatting of the teaching methodology was suggested.
16. The next group that was discussed was **Manufacturing engineering** and the following points were discussed:
- There is a huge requirement from the consumers end in the industries for process and parameters knowhow, QAP, material testing etc. Hence hands on experience on these sectors were suggested.
 - Energy efficiency and acoustics engineering to be broadly explained. Lab and practical knowledge to be majorly and effectively emphasized on. AST, ASME standards knowledge is the need of the hour.
 - Students should be coerced to attend workshops on quality, metrology, and calibration programs. A suggestion was given to inform the students about the importance of exhibitions held at NSC. Interactive sessions to be effectively introduced.
 - Tie up of the college with foreign universities for exchange program to enhance knowledge sharing was suggested. Emphasis on the gamut of basic information to be effectively practiced.
 - Tie up with industries to enroll the students in their training programs. Industrial visits to be enhanced. Major software to be introduced. Real life case studies to be included.
 - Root cause analysis to be elaborately explained. 5 axis machining concepts which is the recent trend to be included. 3D prototyping to be explained in detail.
 - ICFAI provides a lot of real life case studies to the students hence introduce them to this organization.
 - Standardization process and a clear understanding of the same to be suggested. New grades have been introduced hence upgrade the syllabus based on this. Students

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should be exposed to the requirements of quality, productivity, safety, elements of cost etc.

- 3D scanning and 3D printing to be introduced. Overseas talks to be included. Coffee sessions on emerging technology to be introduced. “Cloud based manufacturing system” is the booming sector hence knowledge of this to be given.
 - “Mind sphere” the recently launched product which is a form of data mining to be introduced. Case study, practical, project based learning to be included. Smart products to be inclusive in the syllabus. Instrumentation sector knowledge is a must. Include basic instruments and give hands on practice. Tools used for remote monitoring and diagnosis to be introduced.
 - “Orbital welding” concept to be introduced in the syllabus. New types of metals to be explained. Detailed emphasis on “high performance plastic”.
17. The next group that was discussed was **Management** and the following points were discussed:
- Emotional intelligence sector to be sincerely emphasized on. It is a major ingredient for overall development of the student. People normally react rather than respond hence this is a major point to be included. Students should be coerced to take test on emotional intelligence concept.
 - Self and social awareness topics to be included. “Relationship Management” topic to be included. Non verbal communication concept is a new thing and can be included in the curriculum.
 - General responsibility criteria to be emphasized on. Management training and human factor training to be conducted.
 - Personal theories to be explained. Construction of rubrics window to be included. Stress management subject to be emphasized on. Risk management and models to be included in the syllabus.
 - Importance of yoga and meditation to be emphasized on. Team management sessions with the help of outbound workshops to be held
 - Creativity and innovation to be enhanced.
 - Leadership theories and time management inclusion is a must. Assignments to enhance the criteria of effective management of one’s own personality to be included.
18. The meeting was closed by extending a heartfelt appreciation for every minute detail shared by the members and they were assured that a sincere effort to accomplish the suggestions effectively will be done by the department.
19. All the advisory members were requested to be a driving force of our department and extend all their support towards reducing the curriculum gap in an effective manner.
20. There was no other agenda to be discussed. The meeting was concluded by extending vote of thanks to the members by Hon. Principal **Dr. Udhav Bhosle**.



Dr. Sanjay U Bokade
Head, Department of Mechanical Engineering