

MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
 (Permanently Affiliated to University of Mumbai)
DEPARTMENT OF MECHANICAL ENGINEERING
 (NBA- Accredited UG Program)

Advisory Committee Meeting dated 16 December 2016

The meeting of Advisory board committee of Mechanical Department was held on **16 December 2016**.

Hon. Board Members attended the meeting

Name of the members	Signature
Mr. Subbabrata Ghosal	
Mr. Mahendra Kapadia	
Mr. Rajesh Kadu	—
Mr. Subodh Sant	
Dr. Prashant Khakse	
Mr. Sanjeev Kamble	—
Dr. N. R. Gilke	
Ms. Miloni Thakkar	
Mr. Vishal Doshi	
Mr. Gautam Dubey	
Mr. Akshay Kalyanpur	
Dr. Udhav Bhosle	
Dr. Sanjay Bokade	

Following Faculty members have attended the meeting

Name of the staff	Signature	Name of the staff	Signature
Dr. K. M. Chaudhari		Prof. A. A. Vyas	
Dr. R. V. Kale		Prof. P. M. Deshmukh	
Prof. R. Y. Kurne		Prof. R. M. Siddiqui	
Prof. D. H. Kamble		Prof. N. J. Panaskar	
Prof. N. K. Deshmukh		Prof. M. S. Marathe	
Prof. V. B. Sawant		Prof. M. R. Valse	
Prof. A. G. Londhekar		Prof. P. R. Potdar	
Prof. N. B. Shahapure		Mr. J. L. Jadhav	
Prof. N. N. Bhostekar		Mr. G. V. Chavan	
Prof. A. L. Mangrulkar		Mr. J. M. Hajare	
Prof. S. D. Gaikwad		Ms. K. A. Vartak	

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Advisory Board Members (Left to Right: Ms. Miloni Thakkar, Mr. Akshay Kalyanpur, Mr. Vishal Doshi, Mr. Gautam Dubey, Dr. Prashant Khakse, Dr. N. R . Gilke, Mr. Mahendra Kapadia, Mr. Subbabrata Ghoshal, Dr. Udhav Bhosle, Dr. S.U. Bokade)



Faculty Members along with the Advisory Board Members

Agenda of the meeting:-

1. Skill set development of students
2. Employability improvement of the students
3. Entrepreneurship development.
4. Student motivations and Emotional Quotient improvement.
5. Industry Institute interaction
6. Quality improvement and enhancing the relevance of final year projects
7. Standard practices and administrative systems for attainment of Program Educational Objectives.
8. Redefining of existing PEO's
9. Aligning of PEO's to the mission statements.
10. Laboratory tie-ups with industries.
11. Any other relevant point with the permission of chair.

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Minutes of Meeting

1. Meeting started with the address of **Principal, Dr. Udhav Bhosle**. He stated purpose of the meeting and highlighted importance of accreditation and gave information on National Board of Accreditation and its establishment. Then he requested the guests to give valuable suggestions and told that there would be one more meeting in coming semester.
2. **Head of the Department, Dr. Sanjay Bokade** welcomed all the invited guests and felicitation of guests was done by offering flower bouquets. Thereafter all the RGIT staff members introduced themselves. Further Dr. Sanjay Bokade apprised the guests of the Department's Vision, Mission, Program Educational Objectives (PEO), Program Outcomes (PO), Human resource and Infrastructure.
3. **Mr. Subbabrata Ghosal** expressed that RGIT is enormously active in getting industry professionals which is benefiting the students. He advised and expressed his viewpoints which are as given below.
 - To have a formal process for the student's industry exposure in the present education scenario.
 - Summer training and Internship program.
 - Project management & finance management should be taught in the curriculum.
 - Importance of completing projects in stipulated time and its impact on finances in industry.
4. **Mr. Mahendra Kapadia** expressed his opinion about RGIT and said that the Institute's atmosphere is very dynamic which reflects what is happening inside. He suggestions are as given below -
 - In ten years from now things will change rapidly. We should brace ourselves for change and should be futuristic to face the challenges.
 - As per him RGIT should have some sort of collaboration with IIT and IIMs which will benefit the students.
 - He said in the coming days we may have robots taking up manufacturing sites. We should look at the topmost institute and set up our benchmark accordingly.
 - Lot of learning is needed. High class of input is needed to get a good output. He wished Institutes should be close to real life requirements. Engineering students will have to face great challenges after graduation. There is a need to backtrack and see what can be done to fulfil their aspirations.
 - Choice based education should be introduced, which will help students learn the subjects based on their interests. This will help students who want to go for profession such as marketing, purchase etc. where broader knowledge of engineering is required.
 - He emphasised on the spiritual address to students to make them uplifted in their emotional quotient
 - He expressed that pre-required skills set is very important for students from carrier point of view.
5. **Dr. N. R. Gilke** in his suggestions expressed that Mumbai University has its rigid curriculum and we have to follow a structured program developed by university. Great responsibility lies on the Institute developing skill sets in students to cope up with the outside world. His suggestions were –

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- Knowledge of finance and related tools should be given to students.
 - The students who wish to go abroad for education should be taught necessary skill sets such as learning foreign language.
 - He expressed that there should be scope for students to develop their hobbies in curriculum other than sports. Something should be done for students for nurturing their hobbies
 - Quality teaching learning process should be setup. It has many aspects theory lectures, practical, tutorials, presentation etc. An audit should be done by cross department and through an outside person which will bring a quality change in teaching techniques, in assignments, and experiments which are conducted in laboratory.
 - These days it is difficult to bring students to the classroom. Teaching should be practical or case studies oriented. His personal opinion was to have three hours teaching and one hour could be allotted for discussion on case study.
 - The word ‘graduate’ should be added in place of ‘student’ in PEOs.
 - A review of the agenda of the meeting, points discussed and finally the action taken should be done and should be communicated to the committee.
 - The attempts made to implement the suggestions given by the experts and the difficulties faced should be recorded.
6. **Mr. Prashant Khakse** advice was –
- To have good infrastructure and improvement of skill sets of faculty
 - He felt some freedom should be given to faculty to develop in their domain area.
 - The faculty should be encouraged to visit outside universities to have an exchange of ideas.
 - He said, during his educational visit to America, he saw the kind of infrastructure the American Universities are have and the excellent research work going on there and is a learning experience for us.
 - He deliberated on the analogy of fuel, oxygen and heat in context to quality improvement in academics
7. **Mr. Gautam Dubey** suggested that –
- After passing out, students need help to choose their profession and selection of company.
 - A tie up with various Industries such as automotive; steel is needed as part of Institute Industry interaction.
 - It is important to get feedback from Industry professionals as to what is needed to tackle real life situation in corporate sector.
 - As per him collaboration with Industry is needed for doing quality projects.
8. **Mr. Vishal Doshi** suggested that –
- There is lack of awareness when the time comes to select the higher studies program. After passing the students don’t know what they want to do. Institute should do something to guide the students.
 - He advised that the students should be introduced to the professional courses such as NDT, ITIL etc. which will get them higher salaries in the Industry.
 - The students should be able to link theory with the practical things in the Industry.
9. **Mr. Akshay Kalyanpur** suggested that –

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- A tie up with industry is needed. As per him there are many laboratories for industrial component testing , NDT testing etc. Students should be taken to such labs for gaining practical knowledge.
- Expert lectures and workshop by Siemens, Fanuc company representatives will be of immense help to the students.
- He recommended a book ‘The Goal’ by Dr. Elayahoo Golbatt as a good read for engineers.
- A lot of project honesty is needed amongst students.
- After teaching subjects like engineering Drawing, Machine Drawing we should ask students to read drawing sheets procured from industry like, Honda, Yamaha etc.

10. **Ms. Miloni Thakkar** suggested that that –

- Study of finance management is very important. She said that finance is very important part in Industry.
- Management subjects should be a part of curriculum. New management practices and manufacturing practices should be included in curriculum.
- Robotics should be taught.
- Costing, budgeting should be included.
- It seems female engineers do not prefer to work on shop floor in industry; they should be encouraged for the same.

11. **Mr. Subodh Sant** said that –

- ‘Time lost is never gained’, so time management aspect should be imbibed in the minds of students. Time management should be incorporated in the syllabus.
- Manufacturing rhythm add to pace of work which adds to productivity,. Chinese are superb in this. Lean manufacturing concepts should be added in syllabus.
- Encourage students to visit Industry which will add to their knowledge. Industrial visits are important.
- Carbon foot print, energy consumption, energy saving aspect should be taught to the students.
- Research attitude should be inculcated. Research may be done even on area such as ‘noise reduction’ on which people have filed lot of patents. Students should be encouraged to file patents. Invite experts from government or industry to guide students on how to file patents.

12. **HOD, Dr. Sanjay Bokade** summarized and expressed his thanks to the experts for valuable inputs.

13. After this **Principal Dr. Udhav Bhosle** summarized the suggestions given by experts. He mentioned the constraints, the Institute has to face when working under University curriculum. He expressed his thanks to all the guests.

There was no other business on the agenda of the meeting and Dr. Kiran Chaudhari concluded the meeting with vote of thanks.



Dr. Sanjay U Bokade Head, Department of Mechanical Engineering