

**MCT**  
MANJARA CHARITABLE TRUST  
**RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI**  
Juhu-Versova Link Road, Andheri (W), Mumbai-400 053  
**DEPARTMENT OF INSTRUMENTATION ENGINEERING**

A meeting of Instrumentation Department Advisory Committee was held on 22<sup>nd</sup> January, 2018 at 9.30 a.m. in the Conference Room, RGIT Campus, Mumbai where the following members were present.

Members:

Dr. R.N. Mohanty  
Dr. Kushal Tuckley  
Dr. S.N. Merchant  
Dr. R.G. Karandikar  
Dr. Sanjay Pawar  
Mr. Makarand Shastri  
Mr. Shivkumar Pandey  
Mr. Harbans Singh  
Mr. Gunjan Shah  
Mr. Shankar Nayak  
Mr. H.K.Kadam  
Dr. Udhav Bhosle  
Prof. S.K. Gabhane  
Prof. S.D. Patil  
Prof. K.G. Sawarkar  
Prof. S.D. Deshmukh  
Prof. P.N. Sonar  
Prof. S.R. Bhoyar  
Prof. S.P. Sadala  
Prof. G.K. Shende  
Prof. R.G. Sharma

Agenda of meeting was:

1. Approval to Revised Vision and Mission of Department (**APR**).
2. Curriculum Enrichment to Meet Curriculum Gap (**CE**).
3. Measures to Improve Student Employability (**SE**).
4. Skill Set Development of Students (**SD**).
5. Entrepreneurship Development(**ED**).
6. Industry Institute Interaction (**II**).
7. Quality Improvement and Enhancing the Relevance of Final Year Projects (**QI**).
8. Standard Practices and Administrative System for Attainment of Program (**SP**).
9. Laboratory Tie-Ups with Industries (**LTI**).

Before the start of agenda of the meeting, Dr.Bhosle welcome all the members for the department advisory committee meeting.

- The minutes of the meeting of Advisory Committee held on 13<sup>th</sup> January, 2017, were read, discussed and unanimously passed by the committee members.
- Various curricular and extracurricular activities in the departments, new facilities created for students and faculties, new methods used to improve teaching

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learning process and students' evaluation, industry projects, students internship and faculty development program, faculty paper presentations in international conferences and workshop, faculty publications and their association with other institutes and industries and action taken report on the minutes of last meetings were discussed.

- Dr. S.N. Merchant suggested that self-learning is most important and it should start from first year engineering. Students should be advised to give presentation on selected points in curriculum or out of curriculum. If they fails early then we have time to come back and improve. His emphasis on department should train the students to develop the self-learning habit.
- Prof. Merchant advised requirement of NPTEL Courses for staff and students for improvements and knowledge up gradation. Teachers should think on how to get weightage on other issues. He said adaption and self-learning is most important. Self-learning like different courses, languages students must know. Academician does not teach for a particular industry. He emphasized on status of dept., faculty status, qualification, training programs etc. He emphasized on use of Innovative way of teaching by teachers to build students interest in learning.
- Dr.Bhosle informed that all the faculties have registered for the courses offered by NPTEL/SWYAM. In the last semester majority of faculties have successfully completed the courses. This semester students are asked to register for the NPTEL courses and they will get credit accordingly in internal test examinations. Prof. Merchant asked faculties to take care of duration of courses, their level and accordingly assign the credit to students in place of their regular internal test examination.
- Mr. Makarand Shastri, expressed views on the student's overall development. He advised that student's should think out of box. They should come forward and do whatever they want. Teachers should support them to develop their thinking process.
- Mr. Gunjan Shah stressed on smart city applications and IOT standard. Students must focus on IOT and must learn more on IOT, its design and implementation. He emphasized that if IOT is not a part of Mumbai University curriculum, then it should be taught as content beyond syllabus. It would help to increase students creativity, innovation and thinking out of box.

He expressed on continuous learning process through train the trainer. He emphasized on basic principle, working on different systems and basic knowledge of the subjects like Physics, Chemistry & Maths. He advised faculties to train students in different frameworks every year in the form of presentation. He advised that continuous activities should happen on campus and campus

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should be vibrant. He suggested seminar/discussion on pollution, climate change, sustainability, populations, gender diversity and other such issue important to society and nation.

- Dr. R.G. Karandikar suggested to prepare proper action taken report after the discussion and conduct the activities in the academic year. Minutes and action taken plan must be matched. In the yearly activity report should reflect facts and figures. For e.g. how many students undergo for industrial visits, internship, and training must be furnished. Attainment level of CO to be presented. Alumni / major recruiters must interact with 5<sup>th</sup> and 6<sup>th</sup> Sem students.
- Dr. R.N. Mohanty expressed his views that under graduate program must work on basic sciences. He stressed on the Importance of teaching fundamentals to students and expects that students must have strong domain knowledge. Fundamental subjects are more important. Industry personals should be part of curriculum development. Make pool of persons from industry and involve them in curriculum developments and teaching beyond syllabus, student's projects. He further advised to assign the live projects to students and mostly industry projects. He gave the importance of internship for students and advised faculties to encourage students for internship in winter and summer vacations.
- Dr. Sanjay Pawar also emphasized on self-learning for students. He felt that parents and teachers should create self-learning opportunities for students. Institute should involve faculty in Industry-institute interaction or discussion. He advised to invite industry professional in curriculum developments. He felt that industry professional interactions with students and teachers should be regular affairs of the department. .
- Mr. H.K. Kadam expressed his views on existence of basic facilities in the Institute. He utter that seriousness and importance of internship should be created amongst students before sending for internship. Grooming sessions must exist. Curriculum should consist of basic, existing and advance systems and techniques in all courses. He expressed that faculty training is important and it should be made compulsory. Secondly, automation in admin is requirement of today and suggest requirement and importance of advance digital systems like digital library, proper internet, Wi-Fi, video conferencing facility etc in the institute.
- Dr. Kushal Tuckley expressed his views that small projects / assignments should be given to students. Stress management should be taught to students. Academic reports of department must be available. Program outcome is most important. Agenda should be prepared. Students should be guided and motivated to prepare for GATE. Mentorship program should be available in departments. T&P cell should be the part of meeting.

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- Mr. Harbans Singh expressed his views that students should remove fear, hesitation while asking questions. In a class every day at least one presentation should be held so that hesitation can be removed from student's mind. They will feel comfort in class.
- Mr. Shankar Nayak expressed his views towards step up industry, innovative study, educated students based on life cycle and basic fundamental concept of components P & ID diagram.
- All the members welcomed the suggestions given by committee members. The meeting was concluded with the vote of thanks by Prof.S.P.Sadala.



**Prof. S.P.Sadala**

**Coordinator, Advisory committee  
Instrumentation Engineering Department**