

3.5.1 Activities under MoU for the Year 2021-2022

Sr. No.	Name of the MoU / Collaboration / linkage	List of Activities under the MoU	Page No.
1	Conbuss Online Manufacturing	Department advisory board member	<u>2</u>

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
FR. AGNEL ASHRAM, BANDSTAND, BANDRA (W) - 400050

Department of Mechanical and Production Engineering
Minutes of Department Advisory Board Meeting

Date: 1/10/2021

Time: 11:00 a.m. – 12.45 p.m.

Mode of Conduction: Online (Google Meet)

Agenda:

1. To finalize vision mission and PSOs for the Mechanical Engineering department.
2. To report the academic performance, department activities and achievements in A.Y. 2019-20 and 2020-21.

The Head of Department Dr. V S Jorapur welcomed the members of the department advisory board and faculty members invited for the meeting. Dr. Ketaki Joshi introduced the experts and faculty members attending the meeting and informed all the attendees about the agenda for the meeting.

The following points were discussed during the meeting.

Dr. Vasim Shaikh presented the draft of the vision, mission and PSO statements prepared based on the inputs received from faculty members during department faculty meeting conducted on 18th September 2021 and revised accordingly during the PAC meeting held on 29th September 2021. The experts and member invitees were requested to share their views and suggest necessary improvements.

Inputs received for Vision Statement:

Dr. S U Bokade expressed his views that the vision should be a dream destination for any organization, which may not be immediately met but defines its roadmap. He suggested rephrasing the vision statement to highlight the output as it states the purpose and translating the mission statement to include the action points to achieve the vision.

Dr. Vivekanand Bankoli suggested having the vision achievable in next 5 to 10 years. He further provided the input to include the keywords such as 'excellence', 'competent global engineers' instead of the words such as 'qualified'.

Mr. Rajendra Gangan also emphasized that the vision statement should highlight what a department wants to achieve.

Prof. Sudhakar suggested replacing the word 'ecosystem' with an alternate metaphor that suits an educational institute. He further pointed that the vision needs to state the desired destination as a department rather than focussing on the individuals graduating from the department. He suggested the vision of being an excellent learning centre in mechanical engineering.

Dr. Bhushan Patil also suggested developing a vision for the department's excellence instead of focusing on individuals. He further pointed to include innovation, R&D, entrepreneurship as the key phrases. He further insisted on considering the current circumstances and economic conditions and accordingly finalising a vision for society's progressive development.

Mr. Preet Mehta suggested capturing the potential of young minds considering their ambition and power.

Prof. Sudhakar insisted on keeping the vision practical and achievable in the next ten years, considering that the UG course in mechanical engineering has just started. The vision should reflect the potential of the department.

Inputs received for the Mission:

Dr. Bokade emphasized defining 5 to 6 simplified mission statements covering various aspects of excellence. He also advised avoiding two different or mismatched dimensions in a single statement and including the following dimensions: environmental care, sustainability, staff development, placement opportunities, Ethical citizens. He also suggested including participative learning and other qualitative aspects of the teaching learning process, avoid redundant words such as ethical research, considering that the research is supposed to be inherently ethical. He emphasized defining the mission statements to develop the department to be the aspiration of potential engineering students.

Dr. Bankoli emphasized on defining strategy in the mission statement and suggested the inclusion of aspects of excellence, ISO and other standards, safety and environment, societal approach and consider the parameters that can be measured. He further suggested widening the scope by focussing on entrepreneurs and higher studies and considering other avenues for employment. He also supported Dr. Bokade in defining 5 to 6 statements, each covering a unique dimension.

Mr. Rajendra highlighted promoting and supporting Startup culture and suggested collaboration with other colleges for incubation centres.

Mr. Preet suggested to emphasize on the concept of 'enlighten, lead and change'.

Prof. Sudhakar shared his views to rephrase the mission statements by identifying principal objectives based on department strengths and capabilities. He further shared the previous efforts made towards the establishment of startup cell and collaboration for incubation centre. He also suggested paraphrasing the mission statements to be short and effective, covering various aspects of excellence.

Dr. Bokade further suggested defining goal statements for a short span of 1 year, 2-3 years and 5-6 years, quoting an example of goals defined by COEP. He suggested that these goal statements represent the roadmap and milestones with achievable goals of a short time horizon.

Inputs received for PSO statements:

Dr. Bokade suggested that PSO statements can cover the dimensions which are not covered in the 12 PO statements provided in the university curriculum. He commented that the statements could be made more specific to the program, quoting the example of the PSO statements defined for their mechanical engineering program.

Dr. Bankoli emphasized having the PSOs measurable and quantified and focussing on the more relevant outcome for the industry. He also suggested addressing the post-Covid issues in the industry and economy in the PSO statements.

Prof. Sudhakar supported the inclusion of computational methods and advanced manufacturing being the strengths of the department.

The HOD, Dr. Jorapur ensured that the department would deliberate on the inputs provided by the experts and faculty and share the revised statements with all the stakeholders.

Dr. Vasim further shared the details of academic performance: university results, CO-PO-PSO attainments, placement statistics, activities and initiatives in the academic year 2019-20 and 2020-21.

Dr. Bankoli suggested that offline placements can also be considered while representing the data of placement statistics. Dr. Jorapur informed that there are many offline placements for which the data is available with the placement office. Dr. Bankoli further recommended cross Skills development to improve the employability of graduates. He also suggested having IRG by certification to the industry with ISO certified labs. Prof. Sudhakar stating the facts of present employment scenario emphasized the need for strategic planning to improve the scenario.

Mr. Rajendra suggested that the students orient themselves in team building, funding, strategic planning, and consistent efforts to convert ideas into a startup. He also recommended skill development and startup learning programs by AICTE for the students to develop an entrepreneurial mindset. Prof. Sudhakar also suggested identifying more certification programs and industrial training to orient the students towards entrepreneurship.

The HOD extended the vote of thanks to all the experts attending the department advisory board meeting to spare their valuable time and provide necessary inputs.

The following faculty members attended the meeting:

1. Dr. V S Jorapur (Head of Department)
2. Dr. S U Bokade (Principal, Rajiv Gandhi Institute of Technology, Mumbai)
3. Dr. Vivekanad Bankoli (Head-Operations, Projects and Purchase, ALD Vacuum Technologies India Pvt. Ltd.)
4. Mr. Rajendra Gangan, (Alumnus and Entrepreneur, Founder & CEO at Conbuss Online Manufacturing Pvt Ltd)
5. Mr. Preet Mehta (Student Representative, B.E. Production)
6. Mr. Paresh Mehta (Parent Representative)
7. Prof. D S S Sudhakar (Head IRG)
8. Dr. Bhushan Patil (Professor and Dean - R&D)
9. Dr. Vasim Shaikh (Program Coordinator - NBA)
10. Dr. Ketaki Joshi

Dr. V S Jorapur

Head of Department