

MINUTES OF THE MEETING: DUPC-DPPC

Date: 17/ 03/2018

Venue: Dept Meeting Room.,
Dept of Metallurgy and Materials Science,
College of Engineering Pune.

Present: Dr.S.P.Butee, Dr.R.K.Goyal, Dr.P.P.Deshpande, Mrs.N.R.Anand, Dr.N.B.Dhokey,
Dr. S.T.Vagge, Dr.M.J Rathod, Dr.Satyam Sahay (invitee), Dr. D.Peshwe;
Dr.P.Ranaware (invitee); Dr. Madhu Ranjan, Dr.J.K.Chakravartty

The chairman welcomed the members and briefed the purpose of organizing this meeting. In accordance to the agenda, suggestions were invited.

- 1) MoM of previous meeting dtd. 17/12/2017 was read and confirmed.
- 2) While discussion on B.Tech. final year syllabus, it was proposed that advanced courses like ***Integrated Computational Material Engineering (ICME)*** should be included in the curriculum. It was brought to the notice that this course is presently being practiced in R and D sector, but not offered as full-fledged course at UG level. Moreover, hardly any educational institutes have introduced at B.Tech. level. Therefore, it was suggested to look at the syllabus being offered to UG in India and abroad and then a judicious decision should be taken. As this course requires in-depth understanding of mathematical modeling techniques, which are usually not taught or limited exposure to UG and hence it would be difficult for them to appreciate.
- 3) Syllabus of ***Modeling and Simulation*** was discussed and it was suggested to include this subject as elective course. Instead, it was proposed to shift ***Powder Metallurgy*** course from elective to regular core course, which is presently being offered as elective. As Modeling and Simulation requires good mathematical background, it was suggested to revamp this course by eliminating repetitive content of mathematics which are covered in M1, M2 and M3. On Similar line, ***Fracture of Engineering Material*** course offered in eight semester is suggested to shift to elective due to high degree of difficulty and in place of that, it was proposed to include the most sought after course on ***Failure Analysis of Engineering Materials***. As this course would provide lot of opportunity to students of Metallurgical Engineering to learn and apply their basic knowledge of materials gained so far for analysis of different failures in materials engineering domain.
- 4) During the discussion, it was also suggested to have ***Strength of Materials*** as core course and it should be taught by faculty of Mechanical / Civil dept. However, due to reduction in number of credits for the award of degree, say from 190 to 160 credits, and additional inclusion of other NON technical courses in curriculum in recent past,

some of the important courses like Strength of Material, etc have been compromised and removed from curriculum in last ten years. Therefore, it is difficult to find place in the current structure.

- 5) In accordance to the new guidelines by COEP and AICTE, it is proposed to include **MOOCS** in B.Tech final year as elective. It was unanimously agreed to float MOOCS depending upon the availability courses in that semester. However, it was warned that 100% MOOCS will lose faculty and student involvement in that subject, so it would be wise to offer such courses in **blended mode** for effective faculty-student interaction.
- 6) It was also emphasized that Foundry technology should cover numericals on solidification, gating –risering system and use of softwares which will be beneficial to the students. Also, it was suggested to include course on processing and manufacturing technology.
- 7) As suggested by Dean (Academics) to seek approval of **Ph.D. preregistration topics**, all 12 topics of Ph.D. students have been read and panel composition was informed. However, forum suggested that the detailed literature survey is not conducted due to short time available to them; hence there is a possibility of little change in the title of the Ph.D. if RAC suggest.

The meeting ended with vote of thanks.

Dr.N. B. Dhokey,
Chairman -DUPC-DPPC