

Minutes of the DUPC-DPPC Meeting held on 6/3/2017

PRESENT: Prof. A.R. Kulkarni, IITB; Prof. K Narsimhan, IITB; Dr.Madhu Ranjan; Prof. J.K.Chakravartty; Dr.S.P.Butee; Dr.R.K.Goyal; Dr.P.P.Deshpande; Prof.S.U.Dangrikar; Dr Praveen Kumar, ARDE; Prof. P.Ranaware; Dr.N.B.Dhokey

Absentia granted : Prof.S.T.Vagge, Prof .M.J.Rathod, Bharat Gite, Prof D.Peshwe, Prof N.R.Anand

The Chairman welcomed the members and briefed on agenda. The following suggestions were received from members-

1. DUPPC –DPPC MoM dtd. 10 /12/2016 read and confirmed.
2. The T.Y.B.Tech curriculum was discussed and also subject for honors and minors were identified. The proposed curriculum is to be implemented from the ensuing academic session 2017-2018; this will be fourth revision since inception of the Autonomy granted to the college. The forum approved all the names of the subjects suggested.
3. In our TY curriculum a new subject on **Entperprenurship** is assigned with one credit. However, it was brought to the notice that, in comparison to similar subject introduced few years back in IITB, the credits are too less. The credits for such courses should be higher as it should cover case studies, project report writing, group discussion and guest lectures by the professionals from industries if it is to be implemented effectively, and not for the sake of just showing it in our curriculum. Further, it was suggested to keep this course as optional, as all the students are not going to become entrepreneurs. Hence, we cannot force such subject on all the students.
4. Proposed new subject on **Non Destructive Testing** (NDT) was discussed and it was brought to the forum that such applied subject should involve hands on training; rather such subject should be made compulsory in the curriculum. It was also suggested to allocate funds for procurements of equipments such as Magnetic particle test, ultrasonic test and Eddy current test. Other test like X-ray can be shown to students during their industrial visit due to lot stricter norms of radiation by the regulatory body. A moderate exposure to various international standards to understand the material acceptance criterion and participation in professional societies like NDT society may help to improve employability of the students.
5. In the new curriculum, in order to become eligible for the award of degree, a total fixed credit of 170 have been given for regular UG course. However, in the similar context, IITB offers flexibility in total credit in the range of 165 to 172, which allows for one or two more courses (optional) to be undertaken by the department. It was also suggested

that there are too many subjects like Constitution of India, LLC, innovation, etc. from non-engineering branches which requires to be given a second thought for keeping them in our curriculum as it is better to load the students with some extra burden for the study of departmental subjects in form of assignments, presentations etc.

6. The number of subjects offered in any term are so many that if anyone is asked to tell the courses he is learning in any semester, it will be difficult for him to tell their names in the same semester. Forget it what is going to happen the next semester. The total no. of 8 subjects offered per semester in the proposed curriculum are relatively high as compared to IITB. It is suggested to reduce this number to 4-5 and distribute them uniformly. It was noted that internship is optional at IITB, as it becomes responsibility of the department to provide training to the students. Nowadays getting internship in industries is becoming difficult due to large number of students from many engineering colleges are opting for summer internship. It is suggested to keep database by the faculty incharge of all industries for effective coordination and receiving feedback.
 7. **Fracture Mechanics** syllabus was presented and it was proposed as one of advanced subject to students pursuing honors degree. Forum suggested to treat this subject as **Advanced Fracture Mechanics**. In line with it, however, Fracture and Failure analysis subject which is offered at final year B.Tech. should be oriented to failure analysis in the next iteration of revision of final year subject.
 8. **Wire Technology** subject is offered as elective in the proposed curriculum and it is observed to be superspecialized. Usually about 20 students opt for this subject. It was informed to the forum that there is hardly one or two students out of 20 who get selected in the campus placement by related industry. Considering the employability in the last few years, it is proposed to include additional content on Metal forming in this subject. Hence it is suggested to make good combination of **Wire and Sheet Metal Working** therein. While teaching such subject, exposure on various software tools should be given to the students to improve their skill and employability in the related industries.
 9. It was proposed to keep some interdepartmental subject in **Minor** to promote interdisciplinary activities on research front. Some of the suggested subjects are Statistical process control, Tribology of materials, etc.
- The meeting is concluded with a vote of thanks by the chairman.

On behalf of Program Committee

Dr.N.B.Dhokey

Chairman, DUPC-DPPC

E-Copy: 1. Director, 2. Dean (Acad), 3. Dean (QA), 4. Dy Director , 5. Exam Cell.
6. ALL Meta Dept faculty.