

Department of Biochemical Engineering and Biotechnology

Dept.: BIO ENG. & BIOT

Ref. No.: 20 13 BBCE 2372

Date: 23-9-2013

September 23, 2013

Sub: Implementation of the new undergraduate curriculum

The recommendation of the *Department Undergraduate Committee (DUGC)* was discussed in our Faculty Board on September 19, 2013 and the relevant extracts are submitted here for your reference:

- The Department had already conveyed its desire in October 2012 that out of the existing 48 seats for the dual degree program in Biochemical Engineering and Biotechnology, 10 seats may be designated as dual degree seats and the remaining 38 may be designated as B.Tech in Biochemical Engineering and Biotechnology, with an option to convert to dual degree program after the third year, based on the students performance.
- DUGC recommends that the following two programs be offered by the Department and the intake for both these programs will be through JEE.
 - (i) B.Tech in Biochemical Engineering and Biotechnology (38 students)
 - (ii) B.Tech-M.Tech Dual Degree in Biochemical Engineering and Biotechnology (10 students)

Additionally, the B.Tech students will have the opportunity to switch to dual degree program at the end of the third year. These students will not do BTP-II, but will have to register for additional courses instead and do a MTP major project in lieu of BTP-II.

- The proposed credit structure for B.Tech and dual degree program will be as given below:

Course Category	Credits	Comment
Basic Sciences (BS)	22	Institute Core
Engineering Arts and Science (EAS)	18	Institute Core
Humanities and Social Sciences (HuSS)	15	Institute Core
Department linked BS/EAS	10	
Departmental Core (DC)	70	
Departmental Electives (DE)	10	
Open Category (OC)	10	
Sub Total	155	

Total Credit Requirement for B.Tech part = 155 credits (graded) with 15 non-graded credits.

The total credit requirement for M.Tech component of the dual degree (B.Tech-M.Tech) will be over and above the B.Tech requirement as given below:

Course Category	Credits	Comment
Program Core (PC)	32	Current Institute requirement
Program Electives (PE)	16	
Sub Total	48	

T.R. Sreekrishnan
Head

✓
Dean (Academics)