

Office of the Dean Academics

Minutes of the tenth meeting of Undergraduate Curriculum Implementation Committee

May 2, 2013

The tenth meeting of the Undergraduate Curriculum Implementation Committee (UCIC) was held in the EE Department Committee Room at 1600 hrs on May 1, 2013. The following members were present:

(Italics indicate inability to attend).

Prof. Anurag Sharma, Prof. Santanu Chaudhury, *Prof. S. R. Kale*, *Prof. Sanjeev Sanghi*, *Dr. Atul Narang*, *Dr. Shantanu Roy*, Dr. N. D. Kurur, Prof. B. Bhattacharjee, Prof. Anshul Kumar, Prof. S. D. Joshi, *Prof. Ambuj Sagar*, *Dr. Seema Sharma*, Dr. S. Dharamraja, Prof. T.R. Sreekrishnan, *Prof. R. Chattopadhyay*, *Prof. D. Ravi Kumar*, Prof. Joby Joseph, Dr. D. Sundar, *Prof. A. S. Rathore*, Dr. B.R. Chahar, *Dr. Subodh Kumar*, Prof. G. S. Visweswaran, Dr. N. Chatterjee, Prof. Sangeeta Kohli, Prof. P. Srivastava, Prof. Manjeet Jassal, Prof. James Gomes, Prof. M.R. Ravi.

The meeting started with a welcome to all members.

1. Minutes of the previous meeting dated April 10, 2013 were discussed.

Prof. S. Dharmaraja had pointed out that the Mathematics Department's view about the 8-lecture overlap between the Signals and Systems course of EE Dept and the Introduction to Probability and Stochastic Processes course of MA Department were not minuted. It was decided to include this in the minutes. EE Department had already taken this into account while finalizing the template.

With this change, the minutes were confirmed.

2. **Number of Programmes and Desired Strengths:** The committee discussed the issue of strengths of the various undergraduate programmes with the point in view that the Concept Paper envisaged a common first year curriculum with a view to liberalizing the change of discipline at the end of the first year. It was recommended that up to 25% increase / decrease in strength could be allowed in each discipline at the end of first year. Several options were considered as to what the starting strengths could be, and it was decided to recommend that the current strengths be used as the starting strengths for each programme. In case any programme is discontinued, its initial strength would be distributed equally amongst the remaining programmes.

Department	Current Strength (B.Tech + Dual)	Desired Strength (B.Tech + Dual)	Proposed Range (total) (Min - Max)
Biochemical Engineering and Biotechnology	0+48	38+10	36 - 60
Chemical Engineering	71+52	100 to 125(60:40)	92 - 153
Civil Engineering	109+0	90 to 100+0	81 - 136
Computer Science and Engineering	(63+32=) 95	84(68+16)	71 - 118
Electrical Engineering	(EE1:63+EE:32+EE5:26)121	121 (3:2 EE1+EE5:EE2)	90 - 151
Mathematics	0+48 (Integ. MTech)	50 to 60+0 (option for dual in III year for all)	36 - 60
Mechanical Engineering	(103+48)151+0	90 to 100 + 0	113 - 188
Physics	63+0	40 to 50 +0	47 - 78
Textile Technology	93+0	100 (60+40 MBA)	69 - 116
Total	851	723 to 788	851

3. **Non-graded Credit Components:** Not many Departments had sent comments about the two sub-committee reports on non-graded credits. It was hence decided to defer this item to a subsequent meeting and remind the Departments in the meantime.
4. **Proposal for 4-year B.Tech. Programme from Mathematics Department:** The proposal for 4 year B.Tech in Mathematics and Computing sent by the Mathematics Department was discussed. The following suggestions were given:
 - a) The programme seems to be a lot more of mathematics and less on computing.
 - b) Core courses and DE courses could include courses offered by other Departments such as CS, EE and even HuSS (Economics course): such courses need not be restricted to Programme-linked category alone. Computer Architecture course must be a core course.
 - c) Institute core as per concept paper must have been 60 credits; The proposal shows only 55 credits. Departmental Elective must be 10 credits
 - d) It requires very careful scrutiny by appropriate expert committee to ensure that the programme produces graduates with good employability potential: the current integrated M.Tech. programme has a very high employability potential.
5. **Templates of Programme Linked Courses:** This item was deferred to the next meeting for paucity of time. It was also decided to remind the Departments whose templates have not yet been received before the next meeting.

The meeting ended with thanks to all the members.

Comments on the above minutes should be sent to the undersigned by 8.5.2013.

M.R. Ravi
Associate Dean Academic (Curriculum)
and Convener, UCIC