

Office of the Dean Academics

Minutes of the eleventh meeting of Undergraduate Curriculum Implementation Committee

May 16, 2013

The eleventh meeting of the Undergraduate Curriculum Implementation Committee (UCIC) was held in the Senate Room at 1600 hrs on May 14, 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 May 1, 2013 were discussed.

There were couple of changes suggested in the item discussing the B.Tech. Programme proposal by Mathematics Department:

- a) item 4c: "Institute core as per concept paper must have been 60 credits; The proposal shows only 55 credits": this is incorrect, and this item would be deleted.
- b) Item 4d: "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." to be reworded as: "if the change from the current Integrated programme is substantial, then it may require 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."

With these change, the minutes were confirmed.

2. **Number of Programmes and Desired Strengths:** The matter about the number of programmes and desired strengths was re-discussed with a point of view of tabling it in the senate. It was decided that the policy pertaining to Department Change requires wider discussion in Departments. In the meantime, the current student strengths in various Departments would be maintained. However, in view of the facts that:

- a) Mathematics Department needs to replace its existing Integrated M.Tech. Programme with a B.Tech. or Dual degree programme
- b) Biochemical Engineering and Biotechnology would like to start admitting some students for a B.Tech. Programme and some others as dual degree students at entry level
- c) Electrical Engineering would like to re-apportion their seats between their two programmes
- d) Textile Technology intended to begin a B.Tech-MBA dual degree which is not yet discussed in detail by the Senate
- e) Other departments have desired a reduction in strength, which is not possible at this moment and
- f) The ME Department has requested Senate to decide on the issue of a single B.Tech programme Vs to B.Tech. Programmes in the Department

it was decided to propose the following table. It was decided to take any inputs the Departments would like to give about the table in the coming week and place it for discussion in the senate for the current academic year:

Department	Current Strength (B.Tech + Dual)	Desired Strength (B.Tech + Dual)	Proposed change
Biochemical Engineering and Biotechnology	0+48	38+10	1. a new B.Tech program 2. only 10 seats in dual-degree programme
Chemical Engineering	71+52	100 to 125(60:40)	No change for this year
Civil Engineering	109+0	90 to 100+0	No change for this year
Computer Science and Engineering	(63+32=) 95	84(68+16)	No change for this year
Electrical Engineering	(EE1:63+EE:32+EE5:26)121	121 (3:2 EE1+EE5:EE2)	No change for this year
Mathematics	0+48 (Integ. MTech)	50 to 60+0 (option for dual in III year for all)	All 48 seats this year as 4-year B.Tech
Mechanical Engineering	(103+48)151+0	90 to 100 + 0	No change for this year
Physics	63+0	40 to 50 +0	No change for this year
Textile Technology	93+0	100 (60+40 MBA)	No change for this year
Total	851	723 to 788	851

3. **Institute Core Courses from ME Department:** After several rounds of discussion, the ME Department is still unwilling to adhere to the recommended number of credits. The UCIC discussed this issue in detail. It was clearly impossible to reopen the issue of number of credits for institute core courses. It was decided to request the senate to constitute an expert committee with members from all departments that have expertise to offer the courses on Engineering Graphics and Product Oriented Manufacturing to prepare course templates in accordance with the concept paper.

4. **Proposal for 4-year B.Tech. Programme from Mathematics Department:** The revised proposal for 4 year B.Tech in Mathematics and Computing sent by the Mathematics Department was discussed. It was observed that the revised proposal is quite in line with the structure of the current Integrated M.Tech. Programme, and does not require expert committee review. Some specific comments were given about the details of the proposal:
 - a) The number of lecture courses could be reduced and laboratory component added to a few courses.
 - b) Courses such as Machine Learning, Data Mining could be added to the core.
 - c) Software Engineering, Database Management courses do not seem necessary in the core of a programme with focus on Computing, and could be removed.

The meeting ended with thanks to all the members.

Comments on the above minutes should be sent to the undersigned by 19.5.2013. (This is because the senate meeting is on 20th May).

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