Office of the Dean Academics

Revised Minutes of the thirteenth meeting of
Undergraduate Curriculum Implementation Committee

September 5, 2013

The thirteenth meeting of the Undergraduate Curriculum Implementation Committee (UCIC) was held in the Senate Room at 1100 hrs on August 29, 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.

The chairman congratulated the members for the successful implementation of the first year curriculum this semester, and informed the members that the semester is progressing well with reference to the first year courses so far.

1. **Confirmation of minutes of meeting 12 dated July 3, 2013:** Minutes of the previous meeting dated July 3, 2013 were confirmed without modifications. The committee was informed however that the scheduling of CSL100 course had to be changed so that all students attending this course are without a CS course background from school. This and the other connected changes are reflected in the Interim Courses of Study booklet of UG programmes, presently on the IIT Delhi Academic Calender webpage.
2. **Review of status of Departmental proposals for programmes under the new curriculum:** The members from various Departments offering UG programmes apprised the committee of the progress in their respective Department in the formulation of their respective programmes in terms of their structure and course details:

   Physics:
   - Programme Linked courses offered by the Department – Templates already submitted. Information regarding programme linked courses for PH1 students already communicated to UCIC. The entire programme including templates can be expected to be ready by end of September.

   Textile Technology:
   - PL course requirements already decided: AM courses on Solid and Fluid Mechanics (5 credits) and Experimental Methods (5 credits) required for TT1 students.
   - Polymer Chemistry core course was offered by Chemistry Department for TT1 students so far: it is proposed to float this course under a TT number and offer it through TT faculty owing to difficulties faced by CY Department in faculty load adjustments.
   - Curriculum structure has already been decided on. Templates are likely to be ready by end of September.

   Mechanical Engineering:
   - The DUGC has already completed the discussion on the structure of both B.Tech programmes, and are pending for discussion in the DFB.
   - It is likely to be finalized by the end of September.

   Mathematics:
   - The entire undergraduate part of the dual degree programme has been finalized by the DFB and communicated to the UCIC.
   - Expert committee needs to be constituted to review the new programme as per BERP norms.

   Computer Science and Engineering:
   - Outline of the curriculum has been worked out, and the detailed templates are yet to be done.

   Chemical Engineering:
   - Overall structure of the curriculum has already been decided on. Core courses have already been prepared including the templates. Likely to complete the exercise by end of September.

Civil Engineering:

- Overall structure has been finalized with 155 credits. Programme linked courses have been decided and communicated (Solid Mechanics: 5 credits and Fluid Mechanics: 5 credits). Other details are being worked out.

Biochemical Engineering and Biotechnology:

- The process is yet to begin.

Electrical Engineering:

- Programme structures of both programmes have already been received by the UCIC.

On the basis of these discussions, the committee resolved that we should work as per the following deadlines:

Programme Structure: September 15
Course Templates: September 30

Besides, the three new programmes: Electrical Engineering (Power and Automation), Mathematics and Computing (Dual degree) and Biochemical Engineering and Biotechnology (4-year programme with dual degree option at third year level) need to have an expert committee constituted for the review of these programmes as per BERP norms, at the earliest possible date.

3. **Discussion on Department change and starting student strengths in different programmes:** The issue of starting strengths for the various programmes so as to accommodate as large a percentage of students from each programme to be allowed a Department change as possible, without unduly increasing or decreasing the strengths of students in the various programmes, before or after the Department change happens. The following were agreed in principle:
   1. Initial strengths of different programmes as requested by the Departments (in minutes of meetings 9 and 10 of the UCIC) do not add up to 851, the current strength.
   2. The current strengths of individual programmes are not round figures: some rationalization of this is possible, bringing the total to some number slightly higher than 851: multiples of 15 could be used.
   3. The initial strength rationalization should be decided bearing in mind trends for Department change in the past few years.

   Using this rationale, it was decided that the chairman would make a proposal and circulate to the committee for further discussion. The following table contains the proposed numbers as per the above discussion:

Department Code	**Current Strength** (B.Tech + Dual)	**Rationalized starting strength**	**Projected max-min strength after dept change (+/-15%)**
BB	0+48	60	51-69
CH	71+52	(75+45) 120	(64+38) 102-138 (86+52)
CE	109+0	105	89-121
CS	(63+32) 95	(60+30) 90	(51+25) 76-104 (69+35)
EE	(EE1:89+EE2:32) 121	(75+45) 120	(64+38) 102-138 (86+52)
MA	0+48	60	51-69
ME	(103+48)151+0	(90+45) 135	(77+38) 115-155 (104+51)
PH	63+0	60	52-69
TT	93+0	105	89-121
Total	**851**	**855**	**855**

The meeting ended with thanks to all the members.

Comments on the above minutes should be sent to the undersigned by 12.9.2013.

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