

DEPARTMENT OF CIVIL ENGINEERING
SCHOOL OF ENGINEERING AND TECHNOLOGY
SHARDA UNIVERSITY

June 10, 2013

Minutes of the Meeting

Subject: Approval of Courses in the BOS held on June 10, 2013

A meeting of the Board of Studies (BOS) of the Department of Civil Engineering was held on June 10, 2013 at 11:00 am in the SET-I board room 105.

Following members were present.

- | | |
|-------------------------------------|---------------------------------|
| 1. Prof. R. L. Misri, Civil | Special Invitee |
| 2. Prof. Satyaprakash, HOD, Civil | Chairman |
| 3. Prof. Nirendra Dev, DTU | External Member (from Academia) |
| 4. Mr. Rajeev Goel, CRRI | External Member (from Industry) |
| 5. Prof. K.P. Singh, Civil | Internal Member |
| 6. Prof. D. Goldar, Civil | Internal Member |
| 7. Dr. Gaurav Saini, Civil | Internal member |
| 8. Mr. Gaurav Goel, Civil | Internal member |
| 9. Mrs Pinaki Prasanna Nayak, Civil | Internal member |

The agenda of the Board of Studies meeting included:

- (i) The course structure and syllabi of M.Tech programmes in Structural Engineering, Environmental Engineering and Water Resources Engineering.
- (ii) Syllabi of 3rd term onwards of the B.Tech programme for the students admitted from 2012 onwards.

The outcomes of the meeting are as follows:

M. Tech. programme:

- (i) The course structure and syllabii of the Structural Engineering, Water Resources Engineering and Environmental Engineering were presented to the BOS and discussed. The BOS approved the course structure and the syllabii.

B. Tech. Programme:

- (ii) The course structure of B.Tech programme in Civil engineering (2nd, 3rd and 4th year) was presented to the members. Some modifications to the course structure were suggested. The same were incorporated in the course structure. The revised course structure is attached as Annexure-I.

- (iii) The courses with detailed syllabi of ongoing B.Tech programme in Civil Engineering of 3rd and 4th terms were discussed. Some modification/ addition to the syllabi of courses were suggested. The same were incorporated in the syllabus. The modification with the original syllabus is attached as Annexure-II.

- (iv) The course structure of 5th semester onwards was reviewed. The members had a look at the syllabus for the courses of 5th term onwards, however a detail review was not possible due to lack of time. It was decided that the detailed syllabus will be discussed in the next BOS before the start of the next academic session.

- (v) The new changes in the course structure are

- a) Laboratory work included with the syllabus of the subjects.
- b) Building drawing lab will be completely based on AutoCAD.

- (vi) The changes made in the course structure and syllabii of the B.Tech programme are as follows:

- a) The committee suggested that the term paper course may be based on any core subject and not restricted to those of any particular term.
- b) Design of Concrete Structure and Building Materials and Construction of 4th term were swapped with Design of Steel Structures and Engineering Hydrology of 5th term respectively (See Annexure-I) so that the theory and concerned lab fall in the same term.

c) Some changes were made in the detailed syllabus of each subject. Inclusion, deletion and rearrangement of topics were discussed and incorporated in the syllabi of the courses. Name of some additional books were also included. The details of changes are in the attached documents. (See Annexure-II)

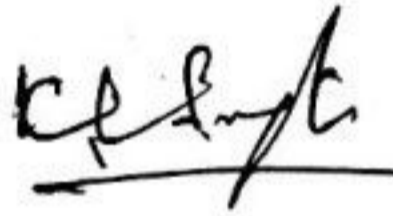
1. Prof. Satyaprakash, HOD, Civil

2. Prof. R. L. Misri, Civil

3. Prof. Nirendra Dev, DTU

4. Mr. Rajeev Goel, CRRI

5. Prof. K.P. Singh, Civil



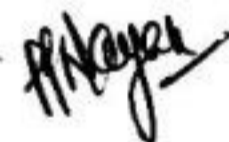
6. Prof. D. Goldar, Civil

7. Dr. Gaurav Saini, Civil



8. Mr. Gaurav Goel, Civil

9. Mrs Pinaki Prasanna Nayak, Civil



Highlight of major changes in B. Tech. Curriculum
(applicable to students admitted in 2012 and onwards batches)

In the Faculty Board meeting, dated June 20, 2013, the following changes were made to the B Tech curriculum and are applicable to all the B Tech programs run by the University for students admitted in 2012 and onwards batches.

1. Four term paper courses (L-T-P breakup: 0-0-2), each of 1 credit, are introduced in 3rd, 4th, 5th and 6th semesters. These courses will be successively numbered with titles Term Paper-1, Term Paper-2, etc.
2. An additional Humanities course, titled Professional Skills Enhancement (PSE) (3 credits with L-T-P breakup 2-0-2) has been introduced in the 4th year of B Tech curriculum.
3. All the open elective courses (total 4) will carry L-T-P of 4-0-0.
4. All the departments are free to decide the number of departmental elective courses as long as the total credits are at least 180, but not more than 183.
5. Total credits for Humanities courses have been increased to 21 from 18 (as approved in Academic Council meeting in Summer 2012) due to incorporation of PSE course.
6. Following Humanities/Management courses have been replaced in the new curriculum
 - a. Business communication (3-0-0) by Communication practices (2-0-2) in the 2nd year curriculum.
 - b. Technical Communication (3-0-0), 3rd year course by Writing for Technical Purposes (3-0-0) in the 4th year curriculum.
 - c. Business Law and Ethics (3-0-0) by Organizational Behavior (3-0-0) in 3rd year.
 - d. Managerial Concepts and Practices (3-0-0) by Human Resource Management (3-0-0) in 4th year curriculum.

Two courses of 1st year curriculum were changed and these will be applicable for students admitted in 2013 and onwards batches.

1. PCM 110, English Language (2 credits) and PCM 152, English Language Lab (1 credit) courses have been replaced with ENG101, Basic English (3 credits).
2. EEE 105, Principles of Electrical and Electronics Engineering (4 credits) and EEE 153, Principles of Electrical and Electronics Engineering Lab (1 credit) has been replaced with EEE110, Principles of Electrical and Electronics Engineering (5 credits).

Highlight of major changes in M. Tech. curriculum
(applicable to students admitted in 2013 and onwards batches)

In the Faculty Board meeting, dated March 12, 2013, the following changes were made to the M Tech curriculum and are applicable to all the M Tech programs run by the University for students admitted in 2013 and onwards batches.

1. The total number of credits has been increased to between 70 and 74.
2. The credits allotted to Project courses has been increased to 10 and 16 for Dissertation Part-I and Dissertation Part-II to be completed in semesters 3rd and 4th of curriculum.

**Highlight of Major Changes in Curriculum
M Tech in Civil Engineering**

The highlight of the major changes in Curriculum and credit structure of M Tech in Civil Engineering Program with specializations in Structural Engineering, Environmental Engineering and Water Resource Engineering (for 2013 onwards batches) is:

1. For each specialization, Open Elective course will be offered in the 2nd semester while departmental elective will be offered in the 1st semester, to be consistent with other M. Tech. programs in SET.

The revised course schemes for all the M. Tech. Programs are attached.

B. Tech. Civil Engineering Curriculum (from 2012 onwards batches)

Sem	Courses										Credits		
											Weekly Contact	Credits	
I	Physics (3-1-2) 5	Principles of Electrical & Electronics Eng. (3-1-2) 5	Mathematics 1 (3-1-0) 4	GeoSciences (2-0-0) 2	Manufacturing Practices (0-0-4) 2	English Language (2-0-2) 3	6	4	13	3	10	26	21
II	Chemistry (3-1-2) 5	Basics of Computer and C Programming (3-1-2) 5	Mathematics 2 (3-1-0) 4	Biosciences (2-0-0) 2	Graphic Science (1-0-4) 3	Env Sci. (2-0-0) 2	6	3	14	3	8	25	21
III	Mathematics-3 (3-1-0) 4	Engineering Mechanics (3-1-0) 4	Principles of Surveying (3-0-2) 4	Soil Mechanics (3-1-2) 5	Business Communication (3-0-0) 3	Term Paper-1 (0-0-2) 1	5	3	15	3	6	24	21
IV	Design of Steel Structures (3-1-0) 4	Managerial Economics (3-0-0) 3	Fluid Mechanics (3-1-2) 5	Mechanics of Deformable solids (3-1-2) 5	Costing, Estimation & Building drawing (3-0-2) 4	Engineering Hydrology (3-0-0) 3	6	4	18	3	8	29	25
V	Open Elective-1 (3-0-0) 3	Geoinformatics Engg. (3-0-2) 4	Design of Concrete Structures (3-1-2) 5	Building Materials & Construction (3-0-2) 4	Technical Communication (3-0-0) 3	Foundation Engg. (3-1-0) 4	6	4	18	2	8	28	24
V	Open Elective-2 (3-0-0) 3	Env Engg-I (3-0-2) 4	Structural Analysis (3-1-2) 5	Transportation Engg.-I (3-1-2) 5	Business Law and Ethics (3-0-0) 3	Open Channel Flow (3-1-0) 4	6	4	18	3	8	29	25
VI							1		0	0	8	8	4
Summer Industrial Training (0-0-8) 4													
VII	Dept. Elective-1 (3-0-0) 3	Open elective-3 (3-0-0) 3	Advanced Structural Analysis (3-1-2) 5	Project-1 (0-0-4) 2	Managerial Concepts and Practices (3-0-0) 3	Term Paper-5 (0-0-2) 1	4	2	12	1	4	17	17
VIII	Dept. Elective-2 (3-0-0) 3	Advanced RCC Structures (3-1-0) 4	Open Elective 4 (3-0-0) 3	Project-2 (0-0-16) 8	Dept. Elective-3 (3-0-0) 3	Term Paper-6 (0-0-2) 1	4	1	12	1	18	31	22
TOTAL											180 Credits		