

**DEPARTMENT OF CIVIL ENGINEERING**  
**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**SHARDA UNIVERSITY**

June 10, 2015

**Minutes of the Meeting**

**Subject: Approval of Courses and syllabi in the BOS held on June 10, 2015**

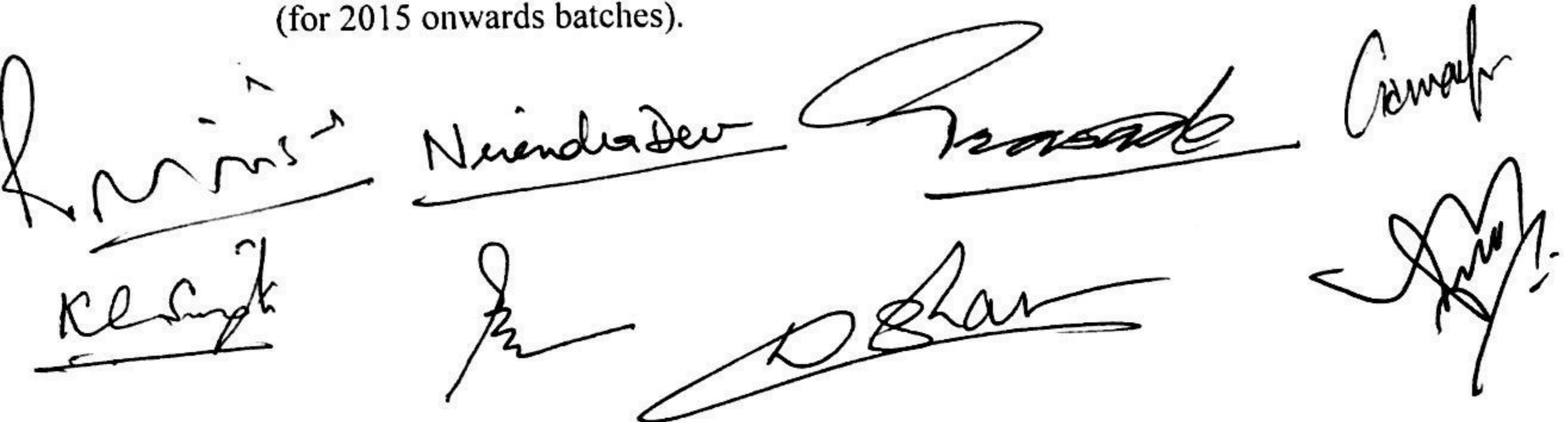
A meeting of the Board of Studies (BOS) of the Department of Civil Engineering was held on June 10, 2013 at 10:00 am in the SET-I board room 105.

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. Har Prasad, <del>JayDee</del>	External Member (from Industry)
5. Prof. V.K. Minocha, GEC (Delhi) (remote presence)	External Member (from Academia)
6. Prof. K.P. Singh, Civil	Internal Member
7. Prof. Prashant Mukherjee, Civil	Internal Member
8. Dr. Gaurav Saini, Civil	Internal member
9. Mr. Nishant Kumar, Civil	Internal member

**The agenda of the Board of Studies meeting included:**

- (i) The updates in the course structure and syllabi of M.Tech programme in Structural Engineering (for 2015 onwards batches).
- (ii) The course structure and syllabi of a new M.Tech programme in Geotechnical Engineering (for 2015 onwards batches).

The bottom of the page contains several handwritten signatures in black ink. From left to right, there are four distinct signatures. The first signature appears to be 'R. Misri', the second 'Nirendra Dev', the third 'Har Prasad', and the fourth 'Gaurav Saini'. There are also some smaller, less legible signatures below these.

(iii) Syllabi of 3rd term onwards of the B.Tech programme for the students admitted from 2014 onwards.

(iv) Minor change in course structure of M Tech programme in Environmental Engineering.

**Suggestions:** The following suggestion and/or comments were made on the programmes and courses:

**M. Tech. Programme:**

Structural Engineering:

- i. Specify the IS:975 part that will be used in Wind Resistant Design of Buildings. Instead of the year of code, use the word "latest".
- ii. Rename the Advanced Design of Concrete Structure to Design of Advanced Concrete Structures.
- iii. Repair & Retrofitting of structures: Unit-4: Most of these methods are for retrofitting instead of repair. Rename the unit as Methods of Repair and Retrofitting.

Environmental Engineering:

Approved as presented.

Geotechnical Engineering:

- i. Provide the names for topics of each unit.
- ii. Revision of topics covered in B Tech program may be carried out very briefly in the introduction chapter.
- iii. Update the name of course "Dynamics of Soils" to "Dynamics of Soil".
- iv. Marine Foundation & Advanced Foundation Engg. are similar and may be combined.
- v. Ground Modification Techniques and Reinforced Soil Structure may be combined and updated, since both of these are improvement techniques.
- vi. Geotextile and Geofiber may be taught as a course.
- vii. The course syllabi needs to be updated and sent back to external experts for review and approval.

**B. Tech. Programme:**

- i. More industry orientation of courses, along with teaching by faculty with some experience in industry
- ii. Stress on "casting, transportation and driving" of piles in Foundation Engg. Course. Extreme cases such as settlement of soils, etc. may be introduced in the course.
- iii. A course may be included that touches upon all aspects of civil construction, including foundations, dams, underground structure, etc.
- iv. The number of credits of all the B Tech programs should be exactly the same.

*R. Nishant*  
*K. Singh*

*Niranda Deo*  
*J*

*Ramesh*  
*A. Khan*

*Amal*  
*[Signature]*

- v. An Introductory course on Engineering Design and Analysis can be provided in 3<sup>rd</sup> semester.
- vi. Engineering Geology may be added as an additional course or if not possible, some topics may be included in some other course.
- vii. The course on OOPS should be removed as it is not required for the curriculum.
- viii. Deflection of structures as a unit in SA-2 and should include beams, trusses, etc. and may be moved to SOM.
- ix. Name modification in Unit C, part-3 of SA-2.
- x. Include applications of Castiglione's Theorem in SOM.
- xi. Approximate methods should be included in SA-2.
- xii. Reference books may be updated for SA-2. Pandit & Gupta or C S Reddy may be used instead of B C Punmia.
- xiii. A Course on Construction Technology may be added to the curriculum.
- xiv. Names of units in Building Materials may be updated.
- xv. Building materials course may focus on high-rise buildings.
- xvi. Potential defects may be included in the elective on High-rise buildings.



Prof. Satyaprakash, HOD, Civil



Prof. Nirendra Dev, DTU



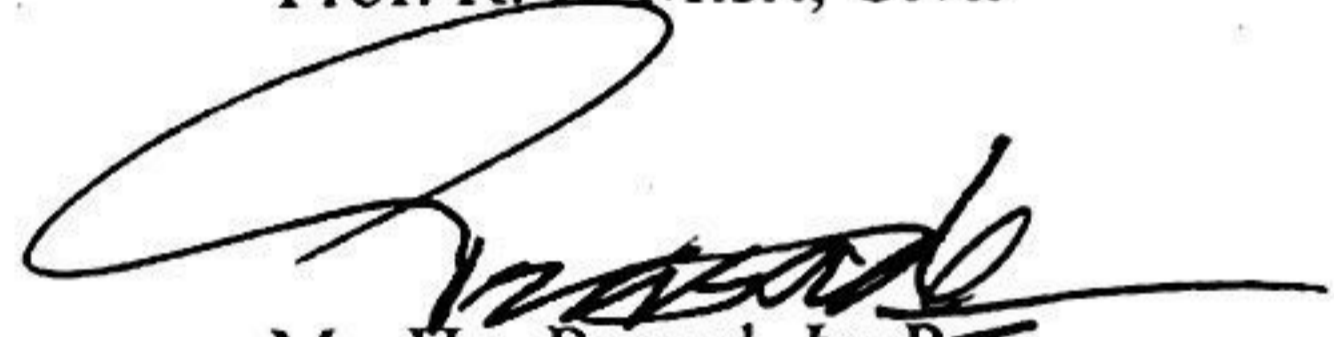
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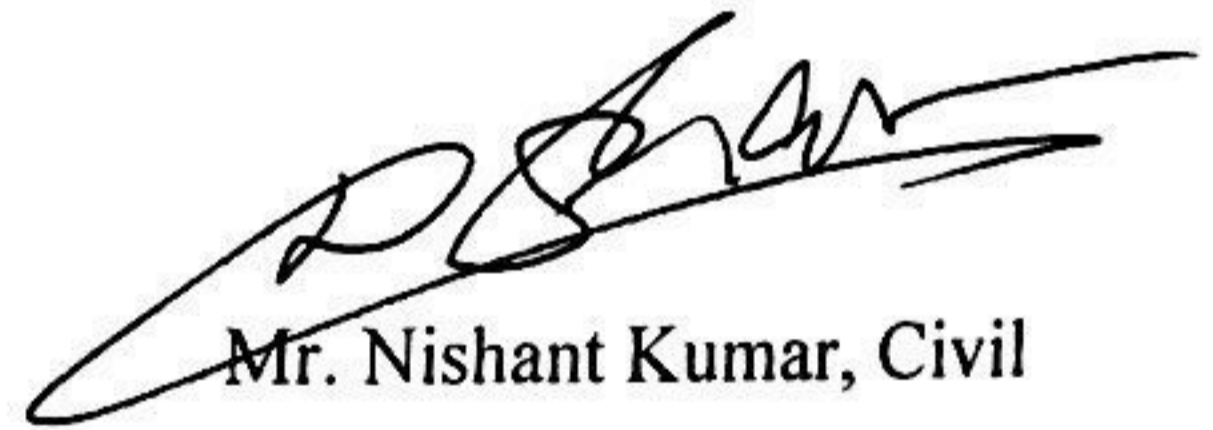
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Mr. Nishant Kumar, Civil