

DEPARTMENT OF CIVIL ENGINEERING
SCHOOL OF ENGINEERING AND TECHNOLOGY
SHARDA UNIVERSITY

May 8, 2016

Minutes of the Meeting

Subject: Approval of Courses and syllabi in the BOS held on May 08, 2016

A meeting of the Board of Studies (BOS) of the Department of Civil Engineering was held on 8th May, 2016 at 10:00 am in the SET-I board room 105.

Following members were present.

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|---|---------------------------------|
| 1. Prof. R. L. Misri, ex-Prof, Civil, SU | Special Invitee |
| 2. Prof. Satyaprakash, HOD, Civil, SU | Chairman |
| 3. Prof. Nirendra Dev, HOD, Civil, DTU | External Member (from Academia) |
| 4. Mr. Har Prasad, ex-Director, JP Infotech | External Member (from Industry) |
| 5. Prof. V.K. Minocha, Principal, GEC (Delhi) | External Member (from Academia) |
| 6. Ms Pinaki Prasanna Nayak | Internal Member |
| 7. Prof. Prashant Mukherjee, Civil, SU | Internal Member |
| 8. Dr. Gaurav Saini, Civil, SU | Internal member |
| 9. Mr. Nishant Kumar, Civil, SU | Internal member |

The agenda of the Board of Studies meeting included:

1. The revised course and credit structure of the B.Tech. CE for batch admitted in 2013 submitted for consideration.
2. The revised course and credit structure of the B.Tech. CE, for batch admitted in 2014 submitted for consideration.
3. The revised Course and Credit Structure B.Tech. CE, for batches admitted in 2015 onwards.

4. New Course and Credit structures of M.Tech. in Civil Engineering with specialization in Construction Management was presented for approval.

All the suggestions/comments were incorporated into the curriculum and approved.

Status: Approved

R. N. Misra Neeraj Kumar Pradeep Amal
K. V. S. Rao P. S. Rao S. S. Rao

B.Tech.
in
Civil Engineering

COURSE AND CREDIT STRUCTURE



Department of Civil Engineering
School of Engineering and Technology
SHARDA UNIVERSITY

SUMMARY SHEET

Teaching Department : Civil Engineering (SET)
School : School of Engineering and Technology
Name of Course : B.Tech. in Civil Engineering
Duration : Four Years
Total number of Credits : 183-85/ 185-188(with Industrial Internship)
Date of Meeting of BOS : May 08, 2016
Member of BOS :

- | | |
|---|---------------------------------|
| 1. Prof. R. L. Misri, ex-Prof, Civil, SU | Special Invitee |
| 2. Prof. Satyaprakash, HOD, Civil, SU | Chairman |
| 3. Prof. Nirendra Dev, HOD, Civil, DTU | External Member (from Academia) |
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| 7. Prof. Prashant Mukherjee, Civil, SU | Internal Member |
| 8. Dr. Gaurav Saini, Civil, SU | Internal member |
| 9. Mr. Nishant Kumar, Civil, SU | Internal member |

Status:

Approved

B. Tech CE Course Structure for batches admitted in 2015 and onwards

Semester	Courses										Credits		
	Functional English-I (2-0-2)3	Maths-I (3-2-0)4	Physics-I (3-1-0)4	Logic Building and Problem Solving (3-1-2)5	Chemistry (3-1-2)5	Manufacturing Sc Lab (0-0-4)2	Courses	Labs	L	T		P	Weekly Contact
I	Functional English-I (2-0-2)3	Maths-I (3-2-0)4	Physics-I (3-1-0)4	Logic Building and Problem Solving (3-1-2)5	Chemistry (3-1-2)5	Manufacturing Sc Lab (0-0-4)2	6	4	14	5	10	29	23
II	Functional English-II (2-0-2)3	Maths-II (3-2-0)4	Physics-III (3-1-2)5	Programming using C (3-0-2)4	Environment Science (2-0-0)2	PEEE (3-1-2)5	6	4	16	4	8	28	23
III	Object Oriented Programming (3-1-2) 5	Engineering Mechanics (3-1-0) 4	Principles of Surveying (3-0-2) 4	Fluid Mechanics (3-1-2) 5	Economics for Engineers (3-0-0) 3	Introduction to Mechanical Engg (3-0-4) 5	7	4	18	3	12	33	27
IV	Engg. Hydrology & Hydraulics (3-1-0) 4	Communication Practices-I (2-0-2) 3	Soil Mechanics (3-1-2) 5	Strength of Materials (3-1-2) 5	Building Materials (3-0-2) 4	Mathematics-3 /Introductory Mathematics (3-1-0) 4	7	4	17	4	10	31	26
V	Elective-1 (3-0-0) 3	Geoinformatics Engg. (3-0-2) 4	Highway Engg (3-0-2) 4	Structural Analysis (3-1-2) 5	Management for Engineers (3-0-0) 3	Env Engg-1 (3-0-2) 4	7	4	18	1	10	29	24
VI	Elective-2 (3-0-0) 3	Dept Elective-1 (3-0-0) 3	Quantity Surveying & Building Drawing (3-0-2) 4	Design of Concrete Structures (3-1-2) 5	Professional Skills Enhancement (2-0-4) 4	Term Paper-4 (0-0-2) 1	6	3	14	1	10	25	20
							1		0	0	4	4	2
Summer Industrial Training (0-0-4) 2													

VII*	Dept. Elective-2 (3-0-0) 3	Open Elective-1 (3-0-0) 3	Structural Analysis-II (3-1-2) 5	Project-I (0-0-4) 2	Project Management for Engineers (2-0-2) 3	Design of Steel Structures (3-0-0) 3	6	1	15	1	6	22	19
VIII		Advanced RCC Structures (3-1-0) 4	Open Elective-2 (3-0-0) 3	Project-2 (0-0-16) 8	Dept. Elective-3 (3-0-0) 3	Communication Practices-II (3-0-0) 3	6	0	12	1	16	29	21

Total Credits 185

**In lieu of summer training of six week duration (2 credits) and VII semester (19 credits), the student may opt for 24 credits, industrial internship

M.Tech.

in

Civil Engineering

With specialization in

**CONSTRUCTION MANAGEMENT
COURSE AND CREDIT STRUCTURE**

(With effect from Academic Session 2016-17)



**Department of Civil Engineering
School of Engineering and Technology
SHARDA UNIVERSITY**

SUMMARY SHEET

Teaching Department	:	Civil Engineering (SET)
School	:	School of Engineering and Technology
Name of Course	:	M.Tech. in Civil Engineering
Duration	:	Two Years
Total number of Credits	:	74
Date of Meeting of BOS	:	May 08, 2016
Member of BOS	:	

1. Prof. R. L. Misri, ex-Prof, Civil, SU	Special Invitee
2. Prof. Satyaprakash, HOD, Civil, SU	Chairman
3. Prof. Nirendra Dev, HOD, Civil, DTU	External Member (from Academia)
4. Mr. Har Prasad, ex-Director, JP Infotech	External Member (from Industry)
5. Prof. V.K. Minocha, Principal, GEC (Delhi)	External Member (from Academia)
6. Ms Pinaki Prasanna Nayak	Internal Member
7. Prof. Prashant Mukherjee, Civil, SU	Internal Member
8. Dr. Gaurav Saini, Civil, SU	Internal member
9. Mr. Nishant Kumar, Civil, SU	Internal member

Status:

Approved

COURSE STRUCTURE

M. Tech. in Civil Engineering with Specialization in Construction Management

SEMESTER	Courses (L-T-P) Credits						Lecture Courses	Contact Hr/Week				Credits		
								L	T	P	Total Hrs			
I	Construction Cost Analysis & Finances (3-0-0) 3	Project Planning and Management (4-0-0) 4	Construction Business Management (3-0-0) 3	Elective-1 (3-0-0) 3	Estimation and Quantity Surveying (3-1-0) 4	Term Paper (1-0-0) 2	5	17	1	6	24	21		
	Construction Contracts and Laws (3-0-0) 3	Quantitative Methods in Construction Managements (4-0-0) 4	Bidding and Tendering Processes (3-0-0) 3	Elective-2 (3-0-0) 3	Construction Safety Management (3-1-0) 4	Technical Presentation (0-0-4) 2							6	17
III	Seminar (0-0-4) 2	Project (0-0-8) 4	Dissertation Part-1 (0-0-20) 10				-	-	-	-	16	16		
IV	Dissertation Part-2 (0-0-32) 16				Dissertation Part-1 (0-0-20) 10				-	-	-	-	16	16
Total Credits – 74														

L-lecture, T-tutorial, P-practical

List of Electives:

1. Building Services
2. Advance concrete technology
3. Rehabilitations of Structures
4. Structural Health Monitoring

5. **Tunnelling Technology**
6. **Timber and Formwork Design**
7. **Critical Chain Management**
8. **Sustainable Construction Practices**
9. **Principles of Affordable Housing**
10. **Leadership and Human Resource Management**
11. **Mechanical and Electrical Systems in Building**
12. **Composite Materials**