

DEPARTMENT OF CIVIL ENGINEERING
JAMIA MILLIA ISLAMIA
JAMIA NAGAR
NEW DELHI

MINUTES OF THE MEETING OF BOS HELD ON AUGUST 12, 2015

A meeting of Board of Studies of Department of Civil Engg., Faculty of Engg. & Technology, Jamia Millia Islamia, New Delhi was held on Wednesday the August 12, 2015 at 1:00 PM in the office of the Department. The following were present:

- | | |
|---------------------------|--------------------|
| 1. Prof. Mohammad Shakeel | <i>Chairman</i> |
| 2. Prof. S.M.Akhtar | <i>Nom. Member</i> |
| 3. Prof. Abid Haleem | <i>Nom. Member</i> |
| 4. Prof. Khalid Moin | <i>Member</i> |
| 5. Prof. Mehtab Alam | <i>Member</i> |
| 6. Prof. Shamshad Ahmad | <i>Member</i> |
| 7. Prof. Farhan A. Kidwai | <i>Member</i> |
| 8. Prof. Sirajuddin Ahmad | <i>Member</i> |
| 9. Prof. Naved Ahsan | <i>Member</i> |
| 10. Mr. S.M.Muddassir | <i>Member</i> |
| 11. Dr. Azhar Husain | <i>Member</i> |
| 12. Dr. Akil Ahmed | <i>Member</i> |
| 13. Dr. Saif Said | <i>Member</i> |
| 14. Dr. S. Shakil Afsar | <i>Member</i> |
| 15. Dr. Mohd Umair | <i>Member</i> |
| 16. Dr. Abid Ali Khan | <i>Member</i> |

The following could not attend the meeting as they were on leave:

- | | |
|-------------------------|---------------|
| 1. Prof. Gauhar Mehmood | <i>Member</i> |
| 2. Mr. Ziauddin Ahmed | <i>Member</i> |
| 3. Dr. Asif Husain | <i>Member</i> |
| 4. Dr. Kafeel Ahmad | <i>Member</i> |

At the onset Chairman welcomed all the members in the meeting. The following agenda items were discussed and resolved:

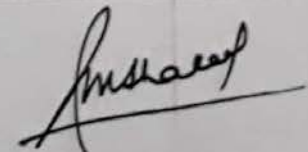
1. Confirmation of minutes of last BoS meeting held on May 26, 2015

Since no comments were received regarding the minutes of the meeting of BoS held on May 26, 2015 hence the minutes were confirmed.

2. Revision of B.Tech.(Civil), M.Tech.(EQ)and M.Tech.(Env) course structure for introduction of Choice Based Credit System from the current academic session

Course Structure of B. Tech. (Civil)

The Chairman informed the members that Choice Based Credit System is to be introduced from this academic session i.e. 2015-16 for which a complete revision of course structure is required. The Department has already initiated the process of revision



of course structure and content. The revised course structure was placed before the members and the first year course structure was approved. The chairman requested the members to study the course structure in detail and come up with their suggestions which then will be discussed in the BoS of the Department.

The BoS also approved the following changes in the course structure of B.Tech. (Civil) w.e.f. the current academic session 2015-16:

- a. Replacement of CE350 Computational Lab. With CE 351 Soil Mechanics Lab
- b. Discontinuation of Survey Camp

3. Revision of B.Tech.(Civil) syllabus for introduction of Choice Based Credit System from the current academic session 2015-16.

The Chairman informed the members that Choice Based Credit System is to be introduced from this academic session i.e. 2015-16 for which a revision of course content is required. The Department has already initiated the process of revision of course structure and content.

Revised syllabus for the first year course namely *CE-101 Elements of Civil & Environmental Engineering* was placed before the members and was approved for implementation w.e.f. the current academic session 2015-16. Further for revision of the syllabus of the various programs of the department, the following groups of faculty members were formed:

Structural Engineering:

Prof. Khalid Moin
Prof. Mehtab Alam
Mr. Ziauddin Ahmed
Dr. Asif Husain
Dr. Akil Ahmed
Dr. Mohd Umair

Water Resources Engineering:

Prof. Mohammad Shakeel
Prof. Gauhar Mehmood
Dr. Azhar Husain
Dr. Saif Said


Environmental Engineering:

Prof. Sirajuddin Ahmad
Prof. Naved Ahsan
Dr. Kafeel Ahmad
Dr. S. Shakil Afsar
Dr. Abid Ali Khan

General Civil Engineering:

Prof. Gauhar Mehmood
Prof. Shamshad Ahmad
Prof. Farhan A. Kidwai
Mr. Ziauddin Ahmed
Mr. S.M.Muddassir

These groups will undertake the revision of the syllabi of their respective subjects after the finalization of the course structure.



4. Revision of Teaching Load for the session 2015-16 to implement choice Based Credit System from the current academic session 2015-16.

The teaching load as prepared by the department was approved by the BoS.

5. Approval of Examiners, Evaluators and moderation committees for Ph.D entrance Test for the academic session 2015-16

The Chairman informed the members that the department had prepared the list of Examiners, Evaluators and moderation committees for Ph.D entrance Test for the academic session 2015-16 and sent it to the Controller of Examination, JMI as it was urgently required. The BoS approved the list of Examiners, Evaluators and moderation committees for Ph.D entrance Test for the academic session 2015-16 as prepared by the department.

6. Consideration of application of Ph.D. student for change of topic

Prof. Shamsah Ahmad, Coordinator, Ph.D Program, informed the members that the students have the option of making minor changes in the research topic at the time of presentation of their synopsis after completion of course work and annotated bibliography and hence this matter should be taken up at that stage.

7. Co-opting of External experts for the BoS of the department

As the term of the external experts had come to an end, the BoS approved the co-option of the following external experts for the BoS of the department for a term of three years:

1. Prof. Mohammad Arif, Department of Civil Engineering, A.M.U., Aligarh.
2. Prof. Shakil Ahmed, Department of Civil Engineering, A.M.U., Aligarh.

8. Assigning coordinators to B.Tech.(Civil), M.Tech.(EQ) and M.Tech.(Env) programs for implementation of choice Based Credit System from the current academic session 2015-16.

The BoS approved the following coordinators for the various programs of the department for implementation of choice Based Credit System from the current academic session 2015-16:

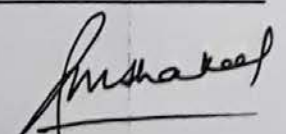
B.Tech.(Civil): Dr Mohammad Umair
M.Tech.(EQ): Prof. Mehtab Alam
M.Tech.(Env): Prof. Sirajuddin Ahmad

9. Teaching of Research Methodology course to Ph.D. students.

It was decided that Research Methodology course to Ph.D. students will be taught by Dr. Abid Ali Khan. He was requested to prepare the syllabus of the same and place it in the next BoS for approval.

10. Revision of syllabus of CE 405 Engg. Eco. & Construction Management.

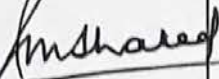
The BoS approved the syllabus of CE 405 Engg. Eco. & Construction Management in the new format of five units for its implementation w.e.f. the current academic session.



11. Any Other Item with the permission of the chair.

The application of Prof. Guahar Mehmood for allotment of room vacated by Prof. N.U.Khan was discussed and approved.

The meeting ended with a vote of thanks to the chair at 2:30 PM.



(Prof. Mohammad Shakeel)
Chairman BOS/ HOD
August 19, 2015 (Wednesday)

Copy to

1. All members of BOS (Internal)
2. Prof. S. M. Akhtar, F/O Architecture & Ekistics, JMI, New Delhi
3. Prof. Abid Haleem, Dept. of Mechanical Engg., JMI, New Delhi
4. Dean, F/O Engg. & Tech., JMI
5. Controller of Exams, JMI
6. The Registrar, JMI
7. P.S. to the Vice Chancellor for kind information to the Vice Chancellor
8. BOS folder of CED office.

2015 Curriculum

FIRST SEMESTER

Total credits

213

Course No.	Course Title	Cr.	PERIOD PER WEEK			MARKS			Remarks
			L	T	P	SESSIONAL	THEORY	PRACTICAL	
AS-101	Communication Skills	3	3	--	--	30	45		Compulsory
AS-151	Language Lab	1	--	--	2	15	--	10	Compulsory
AS-102	Engg. Physics – I	3	2	1	--	30	45		Core Course
AS-152	Engg. Physics Lab. – I	1	--	--	2	15	--	10	Core Course
AS-103	Engg. Chemistry – I	3	2	1	--	30	45		Core Course
AS-153	Engg. Chemistry Lab. – I	1	--	--	2	15	--	10	Core Course
AS-104	Engg. Maths – I	4	3	1	--	40	60		Core Course
CE-101	Basics of Civil Engg.	3	2	1	--	30	45		Core Course
ME-101	Basics of Mechanical Engg.	3	2	1	--	30	45		Core Course
EE-101	Basics of Electrical Engg.	3	2	1	--	30	45		Core Course
ME-151	Workshop	2	--	--	4	30	--	20	Core Course
Total		27	16	6	10	295	330	50	
			Total Hrs		32	675			

SECOND SEMESTER

Course No.	Course Title	Cr.	PERIOD PER WEEK			MARKS			Remarks
			L	T	P	SESSIONAL	THEORY	PRACTICAL	
AS-201	Human Resource Management	4	2	1	--	40	60	--	SEC
AS-202	Engg. Physics – II	3	2	1	--	30	45	--	Core Course
AS-252	Physics Lab. – II	1	--	--	2	15	--	10	
AS-203	Engg. Chemistry – II	3	2	1	--	30	45	--	Core Course
AS-253	Chemistry Lab. – II	1	--	--	2	15	--	10	
AS-204	Engg. Maths. – II	4	3	1	--	40	60	--	Core Course
AS-205	Innovative Sciences & Technology	4	2	1	--	40	60	--	CBCS
EC-101	Basics of Electronics and Comm.	3	2	1	--	30	45	--	Core Course
CS-101	Fundamentals of Computing	3	1	1	--	30	45	--	Core Course
ME-250	Engg. Graphics	2	--	--	4	30	--	20	Core Course
Total		28	14	7	8	300	360	40	
			Total Hrs		29	700			

	1st Sem	2nd Sem
Compulsory	4	--
Core Courses	23	20
CBCS	--	4
SEC	--	4
AECC	--	--
Professional Electives	--	--
Total	27	28

CBCS: Choice Based Credity System
 SEC: Skill Enhancement Course
 AECC: Ability Enhancement Compulsory Course

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2015 Curriculum

THIRD SEMESTER

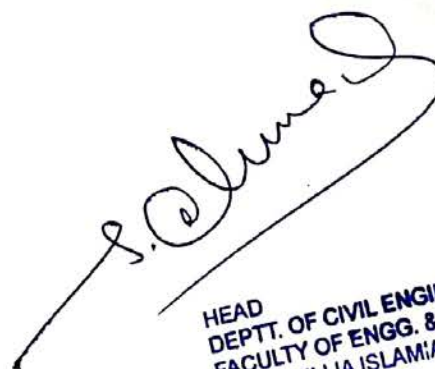
Course No.	Course Title	Cr.	PERIOD PER WEEK			MARKS			Remarks
			L	T	P/D	SESSIONAL	THEORY	PRACTICAL	
CE-301	Fluid Mechanics	4	3	1	-	40	60	--	Core Course
CE-351	Fluid Mechanics Lab.	2	-	-	2	30	--	20	
CE-302	Solid Mechanics	4	3	1	-	40	60	--	Core Course
CE-352	Solid Mechanics Lab.	2	-	-	2	30	--	20	Core Course
CE-303	Engg. Geology	4	4	-	-	40	60	--	CBCS
CE-353	Engg. Geology lab.	2	-	-	2	30	--	20	Core Course
CE-304	Civil Engg. Materials	4	4	-	-	40	60	--	Core Course
CE-354	Civil Engg. Materials Lab.	2	-	-	2	30	--	20	
CE-305	Numerical Methods	4	3	1	-	40	60	--	AECC
Total		28	17	3	8	320	300	80	
			Total Hrs		28	700			

FOURTH SEMESTER

Course No.	Course Title	Cr.	PERIOD PER WEEK			MARKS			Remarks
			L	T	P/D	SESSIONAL	THEORY	PRACTICAL	
CE-401	Structural Analysis - I	4	3	1	-	40	60	--	Core Course
CE-451	Structural Analysis Lab. - I	2	-	-	2	30	--	20	Core Course
CE-402	Hydraulics	4	3	1	-	40	60	--	Core Course
CE-452	Hydraulics lab.	2	-	-	2	30	--	20	Core Course
CE-403	Building Construction	4	4	-	-	40	60	--	CBCS
CE-404	Estimating and Costing	4	3	1	-	40	60	--	SEC
CE-454	Civil Engineering Drawing	2	-	-	2	30	--	20	Core Course
CE-405	Surveying	4	3	1	-	40	60	--	Core Course
CE-455	Surveying Lab.	2	-	-	2	30	--	20	Core Course
Total		28	16	4	8	320	300	80	
			Total Hrs		28	700			

	3rd Sem	4th Sem
Compulsory	--	--
Core Courses	20	20
CBCS	4	4
SEC	--	4
AECC	4	--
Professional Electives	--	--
Total	28	28

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FIFTH SEMESTER

Course No.	Course Title	Cr.	PERIOD PER WEEK			MARKS			Remarks
			L	T	P/D	SESSIONAL	THEORY	PRACTICAL	
CE-501	Structural Analysis-II	4	3	1	-	40	60	--	Core Course
CE-502	Design of Concrete Structures	4	3	1	-	40	60	--	SEC
CE-552	Design of Concrete Structure Lab.	2	-	-	2	30	--	20	SEC
CE-503	Open Channel Flow	4	3	1	-	40	60	--	Core Course
CE-504	Geotechnical Engineering	4	3	1	-	40	60	--	Core Course
CE-554	Geotechnical Engineering Lab	2	-	-	2	30	--	20	Core Course
CE-505	Environmental Engg - I	4	3	1	-	40	60	--	Core Course
CE-555	Environmental Engg Lab - I	2	-	-	2	30	--	20	Core Course
CE-556	Surveying Camp	2	-	-	-	30	--	20	Core Course
TOTAL		28	15	5	6	320	300	80	
			Total Hrs		26	700			

SIXTH SEMESTER

Course No.	Course Title	Cr.	PERIOD PER WEEK			MARKS			Remarks
			L	T	P/D	SESSIONAL	THEORY	PRACTICAL	
CE-601	Advanced Structural Analysis	4	3	1	-	40	60	--	Core Course
CE-602	Transportation Engg.	4	3	1	-	40	60	--	Core Course
CE-652	Transportation Engg. Lab.	2			2	30	--	20	Core Course
CE-603	Design of Steel Structures	4	3	1	-	40	60	--	SEC
CE-653	Design of Steel Structures Lab	2			2	30	--	20	SEC
CE-604	Hydrology	4	3	1	-	40	60	--	AECC
CE-605	Environmental Engg - II	4	3	1	-	40	60	--	Core Course
CE-655	Environmental Engg Lab - II	2	-	-	2	30	--	20	Core Course
TOTAL		26	12	4	6	250	240	60	
			Total Hrs		22	550			

	5th Sem	6th Sem
Compulsory	--	--
Core Courses	22	16
CBCS	--	--
SEC	6	6
AECC	--	4
Professional Electives	--	--
Total	28	26

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SEVENTH SEMESTER

Course No.	Course Title	Cr.	PERIOD PER WEEK			MARKS			Remarks
			L	T	P	SESSIONAL	THEORY	PRACTICAL	
CE-701	Foundation Engg.	4	3	1	-	40	60	--	CBCS
CE-702	Design of Structures	4	3	1	-	40	60	--	CBCS
CE-752	Design of Structures Lab.	2	-	-	2	30	--	20	SEC
CE-703	Water Resources Engg.	4	3	1	-	40	60	--	Core Course
CE-704	Engg. Economics & Construction Management	4	3	1	-	40	60	--	Core Course
CE-711	Elective - I	4	4	-	-	40	60	--	Professional Elective
CE-756	Summer Practical Training	2	-	-	-	30	--	20	Core Course
CE-755	Minor Project	4	-	-	4	60	--	40	Core Course
TOTAL		28	43	65	40	1410	840	200	
					Total Hrs	148			
							2450		

EIGHTH SEMESTER

Course No.	Course Title	Cr.	PERIOD PER WEEK			MARKS			Remarks
			L	T	P	SESSIONAL	THEORY	PRACTICAL	
CE-801	Irrigation Engineering	4	4	-	-	40	60	--	SEC
CE-811	Elective - II	4	3	1	-	40	60	--	CBCS
CE-812	Elective - III	4	4	-	-	40	60	--	Professional Elective
CE-813	Project	8	-	-	4	120	--	80	Core Course
TOTAL		20	11	1	4	240	180	80	
					Total Hrs	16	500		

	7th Sem	8th Sem
Compulsory	--	--
Core Courses	14	6
CBCS	8	4
SEC	2	6
AECC		
Professional Electives	4	4
Total	28	20

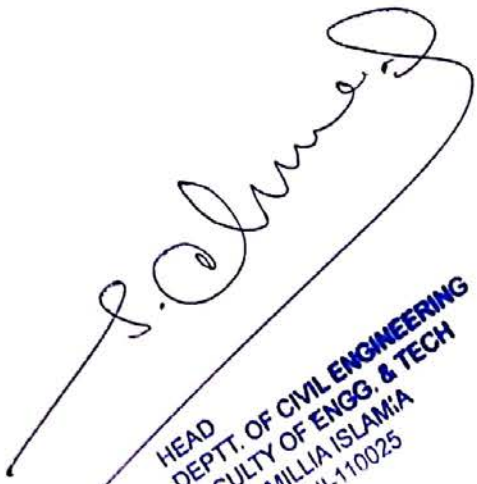
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ELECTIVE COURSES

CE-711	Geo-informatics	4	3	1	-	40	60	--	
CE-712	Earthquake Resistant Design of Structures	4	3	1	-	40	60	--	
CE-713	Advanced Water Resources Engineering	4	3	1	-	40	60	--	
CE-714	Environmental Pollution and Control	4	3	1	-	40	60	--	
CEL-715	Airports, Harbour & Bridge Engineering	4	4	-	-	40	60	--	
CEL-716	Advanced Geotechnical Enge	4	3	1	-	40	60	--	
CE-811	Concepts of City Plg & Development	4	4	-	-	40	60	--	
CE-812	Advanced Concrete Technology	4	3	1	-	40	60	--	
CE-813	Environmental Impact Assessment	4	3	1	-	40	60	--	
CE-814	Dam Engineering	4	3	1	-	40	60	--	
CE-815	Advanced Hydrology	4	3	1	-	40	60	--	


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