

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:

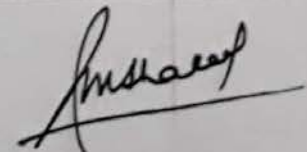
1. Confirmation of minutes of last BoS meeting held on May 26, 2015

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.

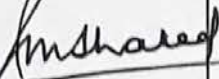
10. Revision of syllabus of CE 405 Engg. Eco. & Construction Management.

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.

MINUTES OF THE MEETING OF BOS HELD ON OCTOBER 15, 2015

A meeting of Board of Studies of Department of Civil Engg., Faculty of Engg. & Technology, Jamia Millia Islamia, New Delhi was held on Thursday, the October 15, 2015 at 3:00 PM in the office of the Department. The following were present:

| | | | |
|---------------------------|----------|-------------------------|--------|
| 1. Prof. Mohammad Shakeel | Chairman | 11. Mr S.M.Muddassir | Member |
| 2. Prof. Mohd. Arif | Expert | 12. Dr Asif Hussain | Member |
| 3. Prof. Shakil Ahmad | Expert | 13. Dr Kafeel Ahmed | Member |
| 4. Prof. Khalid Moin | Member | 14. Dr. Azhar Husain | Member |
| 5. Prof. Gauhar Mehmood | Member | 15. Dr. Akil Ahmed | Member |
| 6. Prof. Shamshad Ahmad | Member | 16. Dr. Saif Said | Member |
| 7. Prof. Farhan A. Kidwai | Member | 17. Dr. S. Shakil Afsar | Member |
| 8. Prof. Sirajuddin Ahmad | Member | 18. Mr. Mohd Umair | Member |
| 9. Prof. Naved Ahsan | Member | 19. Dr Abid Ali Khan | Member |
| 10. Mr. Ziauddin Ahmad | Member | | |

The following could not attend the meeting:

| | |
|-----------------------|-------------------|
| 1. Prof. Abid Haleem | Nom. Member |
| 2. Prof. S. M. Akhtar | Nom. Member |
| 3. Prof. Mehtab Alam | Member |
| 4. Prof. Mohd. Sharif | Member (On Leave) |

The Chairman welcomed all the members at the onset of the meeting. He welcomed the expert members Prof. Mohd. Arif and Prof. Shakil Ahmad of Department of Civil Engineering, AMU, Aligarh to the meeting and expressed his gratitude for accepting to be the members (expert) of the BoS of the department. He hoped that the department will be greatly benefited by their rich academic and research experience. The following agenda items were then discussed and resolved:

1. Confirmation of minutes of last BOS meeting held on September 10, 2015 and September 14, 2015.

Since no comments were received regarding the minutes of the meeting of BOS held on 10.9.2015 and 14.09.15, hence the minutes were confirmed.

2. Examiners for B.Tech. (Civil) – odd semesters for the session 2015-16.

The list of Examiners for B. Tech. (Civil) Odd Semesters for the session 2015-16 prepared by the Department was approved.

3. Examiners for M.Tech. (Earthquake Engg) – odd semesters for the session 2015-16.

The list of Examiners for M. Tech. (Earthquake Engg.) Odd Semesters for the session 2015-16 prepared by the Department was approved.



4. **Examiners for M.Tech. (Env. Sc. & Engg.) - odd semesters for the session 2015-16.**
The list of Examiners for M. Tech. (Env. Sc. & Engg.) odd Semesters for the session 2015-16 prepared by the Department was approved.
5. **Examiners for B.E. (Civil) - Annual Examination 2015**
The list of Examiners for B.E. (Civil) Annual Examination 2015 prepared by the Department was approved.
6. **Moderation Committees for B. Tech. (Civil), M.Tech. (Env. Sc. & Engg.) and M. Tech. (Earthquake Engg.) for the session 2015-16.**
Moderation Committees for B. Tech. (Civil), M.Tech. (Env. Sc. & Engg.) and M. Tech. (Earthquake Engg.) for the session 2015-16 formed by the Department were approved.
7. **Revision of B. Tech. (Civil), M.Tech. (Env. Sc. & Engg.) and M. Tech. (Earthquake Engg.) course structure.**
The BoS approved the course structure of B. Tech. (Civil), M.Tech. (Env. Sc. & Engg.) and M. Tech. (Earthquake Engg.) prepared by the Department.
8. **Revision of B. Tech. (Civil) Syllabus**
For revision of the syllabus of B. Tech. (Civil), the following groups of faculty members were formed:

Structural Engineering:

Prof. Khalid Moin (Co-ordinator)
Prof. Mehtab Alam
Mr. Ziauddin Ahmed
Dr. Asif Husain
Dr. Akil Ahmed
Dr. Mohd Umair

Water Resources Engineering:

Prof. Mohammad Shakeel (Co-ordinator)
Prof. Gauhar Mehmood
Dr. Azhar Husain
Dr. Saif Said

Environmental Engineering:

Prof. Sirajuddin Ahmad (Co-ordinator)
Prof. Naved Ahsan
Dr. Kafeel Ahmad
Dr. S. Shakil Afsar
Dr. Abid Ali Khan

General Civil Engineering:

Prof. Gauhar Mehmood (Co-ordinator)
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 and report it to the H.O.D. latest by 29th January 2016.



9. Any Other Item(s)

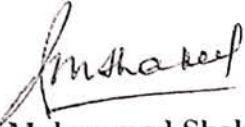
(i) Inclusion of Engineering Geology subject for Ph.D. program entrance test .

The BoS approved the proposal of Prof. Gahuhar Mehmood to include Engineering Geology subject for Ph.D. program entrance test.

(ii) Proposal to hold "International Conference on Smart Cities: An Indian Perspective 2016 " (SCIP-2016)

The BoS approved the proposal of Prof. Sirajuddin Ahmad to hold "*International Conference on Smart Cities: An Indian Perspective 2016 (SCIP-2016)*"

The meeting ended with a vote of thanks to the chair at 4:30 PM.



(Prof. Mohammad Shakeel)
Chairman BOS/ HOD
November 5, 2015(Thursday)

Copy to

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

**DEPARTMENT OF CIVIL ENGINEERING
JAMIA MILLIA ISLAMIA**

MINUTES OF THE MEETING OF BOS HELD ON MAY 06, 2016

A meeting of Board of Studies of Department of Civil Engg., Faculty of Engg. & Technology, Jamia Millia Islamia, New Delhi was held on Friday, the May 06, 2016 at 3:30 PM in the office of the Department. The following were present:

| | | | |
|---------------------------|-----------------|-------------------------|---------------|
| 1. Prof. Mohammad Shakeel | <i>Chairman</i> | 8. Prof. Asif Hussain | <i>Member</i> |
| 2. Prof. Shakil Ahmad | <i>Expert</i> | 9. Mr. Ziauddin Ahmad | <i>Member</i> |
| 3. Prof. Shamsad Ahmad | <i>Member</i> | 10. Dr. Azhar Husain | <i>Member</i> |
| 4. Prof. Farhan A. Kidwai | <i>Member</i> | 11. Dr. Akil Ahmed | <i>Member</i> |
| 5. Prof. Mohd Sharif | <i>Member</i> | 12. Dr. S. Shakil Afsar | <i>Member</i> |
| 6. Prof. Sirajuddin Ahmad | <i>Member</i> | 13. Dr. Mohd Umair | <i>Member</i> |
| 7. Prof. Naved Ahsan | <i>Member</i> | 14. Mr Ibadur Rahman | <i>Member</i> |

The following could not attend the meeting:

| | | | |
|----------------------|--------------------------|-------------------------|--------------------------|
| 1. Prof. Mohd. Arif | <i>Expert</i> | 6. Prof. Gauhar Mehmood | <i>Member (On Leave)</i> |
| 2. Prof. Abid Haleem | <i>Nominated Member</i> | 7. Prof. Kafeel Ahmed | <i>Member (On Leave)</i> |
| 3. Prof. S.M. Akhtar | <i>Nominated Member</i> | 8. Mr. S.M. Muddassir | <i>Member (On Leave)</i> |
| 4. Prof. Khalid Moin | <i>Member (On Leave)</i> | 9. Dr. Saif Said | <i>Member (On Leave)</i> |
| 5. Prof. Mehtab Alam | <i>Member (On Leave)</i> | | |

At the onset, the Chairman welcomed all the members including Expert Members Prof. Shakil Ahmad of Department of Civil Engineering, AMU, Aligarh. The following agenda items were then discussed:

1. Confirmation of minutes of last BOS meeting held on March 04, 2016.

Since no comments were received regarding the minutes of the meeting of BOS held on March 04, 2016, hence the minutes were confirmed.

2. CBCS based revised course structure for B.Tech, M.Tech. (Earthquake Engineering) and M.Tech. (Environmental Sc. & Engineering) programmes

The Board of Studies considered and approved the CBCS based revised course structure for B.Tech, M.Tech. (Earthquake Engineering) and M.Tech. (Environmental Sc. & Engineering) programmes as proposed by the Department.

3. Syllabi for B.Tech, M.Tech. (Earthquake Engineering) and M.Tech. (Environmental Sc. & Engineering) programmes

The BoS considered and approved syllabi of courses in B.Tech, IIIrd & IV Semester, M.Tech. (Earthquake Engineering); and M.Tech. (Environmental Sc. & Engineering) programmes as proposed by the Department. The BoS also approved the syllabus of CE-101 (Basics of Civil Engineering) offered in B.Tech. Ist Semester.

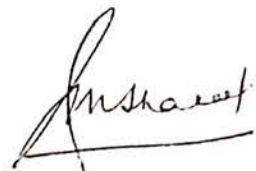
4. Teaching Load for the session 2016-2017

The BoS considered and approved the Teaching Load for the session 2016-2017 as proposed by the Department.

5. Any Other Item(s)

(i) Request of Mr. R.S. Kesharwani (Research Scholar) for grant of extension of one year (i.e. Seventh year) for Ph.D. research

The request of Mr. R.S. Kesharwani, Research Scholar, Department of Civil Engineering, for grant of extension of one year (i.e. seventh year) for Ph.D. research was considered by the BoS. It was resolved



that his application may be forwarded to the Vice Chancellor for grant of one year extension for Ph.D. research as per rule.

(ii) Request of Mr. Pankaj Kumar Agarwal (Research Scholar) for grant of extension of one year (i.e. Seventh year) for Ph.D. research

The request of Mr. Pankaj Kumar Agarwal, Research Scholar, Department of Civil Engineering, for grant of extension of one year (i.e. seventh year) for Ph.D. research was considered by the BoS.

In this regard it was brought to the notice of the BoS that Mr. Pankaj Kumar Agarwal has not submitted his half-yearly progress report in the Department during last year. Moreover, he has not reported to make presentations of his progress in the Department, during last year.

The BoS took a serious note of the matter. However, it realized that the candidate may be provided with another opportunity to submit a progress report of his research and make a presentation of the same in the Department. Based upon the assessment of his progress, if considered appropriate, his application may be forwarded by HoD to the Vice Chancellor for grant of one year extension for Ph.D. research as per rule.

(iii) Request of Mr. Farhat Rafiq (Research Scholar) for grant of extension of one year (i.e. Seventh year) for Ph.D. research

The request of Mr. Farhat Rafiq, Research Scholar, Department of Civil Engineering, for grant of extension of one year (i.e. seventh year) for Ph.D. research was considered by the BoS. It was resolved that his application may be forwarded to the Vice Chancellor for grant of one year extension for Ph.D. research as per rule.

(iv) Request of Mr. Ambrish Saurikhia (Research Scholar) for grant of extension of one year (i.e. Seventh year) for Ph.D. research

The request of Mr. Ambrish Saurikhia, Research Scholar, Department of Civil Engineering, for grant of extension of one year (i.e. seventh year) for Ph.D. research was considered by the BoS. It was resolved that his application may be forwarded to the Vice Chancellor for grant of one year extension for Ph.D. research as per rule.

(v) Utilization of Funds under the head "Equipment" allocated to the Department out of the XII Plan General Development Grant to strengthen UG and PG Labs

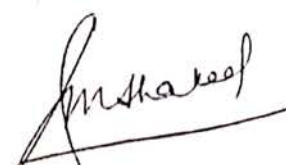
The Chairman informed the BoS that a grant of Rs. 13.0 lakhs has been allocated to the Department of Civil Engineering under the head "Equipment" out of the XII Plan General Development Grant to strengthen the UG and PG Labs. It was resolved that the grant shall be utilized judiciously and expeditiously. Incharges of all the laboratories of the Department were requested to prepare proposals for their respective Laboratories. Accordingly, funds may be judiciously allocated for purchase of equipments in different laboratories.

(vi) Enhancement of Remuneration to Experts invited to deliver Extension Lectures

The members of the BoS expressed their concern over the rate of remuneration (Rs. 1000/- per lecture) to experts invited to deliver extension lectures being a meagre amount. It was resolved that request to the competent authority be made to enhance the rate of remuneration, to at least Rs. 4000/- per lecture, paid to experts for delivering extension lecture.

(vii) Replacement of Xerox Machine in the Office of the Department of Civil Engineering

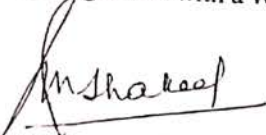
The members of the BoS expressed their concern over the dilapidated condition of the Xerox machine available in the Department of Civil Engineering. It was resolved that this Xerox machine be written off and a new machine be procured in the Department of Civil Engineering.



(viii) **Procurement of a Coffee Vending Machine in the Department of Civil Engineering**

The BoS approved the purchase of a Coffee Vending Machine in the Department of Civil Engineering, utilizing DDF available in the Department.

The meeting ended with a vote of thanks to the chair at 5:00 PM.



(Prof. Mohammad Shakeel)
Chairman BOS/ HOD
May 27, 2016

Copy to

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



386305
17.4.17

DEPARTMENT OF CIVIL ENGINEERING
JAMIA MILLIA ISLAMIA
NEW DELHI

17th April, 2017

NOTICE

An emergent meeting of BoS of Department of Civil Engg. shall be held on 19th April, 2017 at 11.30 a.m. in the office of the Department of Civil Engg. All the Members are requested to make it convenient to attend the meeting. The agenda of the meeting is as follows.

1. Course Structure of B.Tech (Civil)

- S. @ Ahmed

(Prof. Shamshad Ahmed)

Offg. HoD

Copy to:

1. All the Internal Members
2. Prof. Mohammad Arif, Department of Civil Engineering, A.M.U., Aligarh
3. Prof. Shakil Ahmed, Department of Civil Engineering, A.M.U., Aligarh
4. Prof. Abid Haleem, Nominated Member, Dept of Mechanical Engg. JMI
5. Prof. S.M.Akhtar, Nominated Member, Dean, F/O Architecture & Ekistics, JMI
6. Dean, F/O Engg. & Tech. JMI
7. Controller of Exams, JMI
8. The Registrar, JMI
9. PS to the Vice Chancellor for kind information to the V.C., JMI
10. Dy. Registrar (Admn.) JMI, with a request to arrange for the payment of TA/DA to the the experts.
11. BOS folder of the CED office.

DEPARTMENT OF CIVIL ENGINEERING
JAMIA MILLIA ISLAMIA
JAMIA NAGAR
NEW DELHI

MINUTES OF THE MEETING OF BOS HELD ON APRIL 19, 2017

A meeting of Board of Studies of Department of Civil Engg., Faculty of Engg. & Technology, Jamia Millia Islamia, New Delhi was held on April 19, 2017 at 11:30 AM in the office of the Department. The following were present:

- | | |
|---------------------------|-------------------------|
| 1. Prof. Shamshad Ahmad | <i>Officiating Head</i> |
| 2. Prof. Abid Haleem | <i>Nom. Member</i> |
| 3. Prof. Khalid Mo'in | <i>Member</i> |
| 4. Prof. Mehtab Alam | <i>Member</i> |
| 5. Prof. Mohammad Shakeel | <i>Member</i> |
| 6. Prof. Farhan A. Kidwai | <i>Member</i> |
| 7. Prof. Nazrul Islam | <i>Member</i> |
| 8. Prof. Mohd. Sharif | <i>Member</i> |
| 9. Prof. Sirajuddin Ahmad | <i>Member</i> |
| 10. Prof. Naved Ahsan | <i>Member</i> |
| 11. Prof. Kafeel Ahmad | <i>Member</i> |
| 12. Mr Ziauddin Ahmad | <i>Member</i> |
| 13. Mr. S.M.Muddassir | <i>Member</i> |
| 14. Dr. Azhar Husain | <i>Member</i> |
| 15. Dr. Akil Ahmed | <i>Member</i> |
| 16. Dr. S. Shakil Afsar | <i>Member</i> |
| 17. Dr. Mohd Umair | <i>Member</i> |
| 18. Dr. Abid Ali Khan | <i>Member</i> |
| 19. Mr. Ibadur Rahman | <i>Member</i> |

The following could not attend the meeting:

- | | |
|------------------------|--------------------------|
| 1. Prof. S.M.Akhtar | <i>Nom. Member</i> |
| 2. Prof. Mohammad Arif | <i>Expert</i> |
| 3. Prof. Shakil Ahmad | <i>Expert</i> |
| 4. Gauhar Mehmood | <i>HOD (on leave)</i> |
| 5. Prof. Asif Hussain | <i>Member (on leave)</i> |

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

1. Course Structure of B.Tech (Civil).

The course structure of B.Tech. (Civil) as prepared by the department was approved (Annexure I). This course structure shall be implemented from semester I with effect from the academic session 2017-18.

The meeting ended with a vote of thanks to the chair at 12.55 PM.

S. Shamshad
19.4.2017
(Prof. Shamshad Ahmad)
Officiating HOD
April 19, 2017

Note: Orange fill/colour represents DELETED COURSES with respect to STRUCTURE of CURRICULUM for 2015 scheme.

Structure of Curriculum for 2010 scheme

Semester I

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|---------------------------------------|-------------------------------|----------|-----------|-------|---------|
| | | Lecture | Tutorial | Practical | Total | |
| | | (L) | (T) | (P) | Hours | |
| AS-101 | English/Social Science | 2 | 1 | -- | 3 | 3 |
| AS-102 | Engineering Physics - I | 2 | 1 | -- | 3 | 3 |
| AS-103 | Engineering Chemistry - I | 2 | 1 | -- | 3 | 3 |
| AS-104 | Engineering Maths - I | 2 | 1 | -- | 3 | 3 |
| CE-101 | Elements of Environmental Engineering | 2 | 1 | -- | 3 | 3 |
| ME-101 | Engineering Mechanics | 2 | 1 | -- | 3 | 3 |
| EES-101 | Basics of Electrical Engineering | 2 | 1 | -- | 3 | 3 |
| AS-105 | Chemistry Lab. - I | -- | -- | 2 | 2 | 2 |
| AS-106 | Physics Lab. - I | -- | -- | 2 | 2 | 2 |
| ME-102 | Engineering Mechanics Lab. | -- | -- | 2 | 2 | 2 |
| EES-111 | Electrical Engineering Lab. | -- | -- | 2 | 2 | 2 |
| ME-103 | Engineering Graphics - I | -- | -- | 3 | 3 | 2 |
| ME-104 | Workshop - I | -- | -- | 3 | 3 | 2 |

S. @ Ahmed
25.9.2019

HEAD
DEPT. OF CIVIL ENGINEERING
FACULTY OF ENGG. & TECH
JAMIA MILLIA ISLAMIA
NEW DELHI-110025

DEPT. OF CIVIL ENGINEERING
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JAMIA MILLIA ISLAMIA
NEW DELHI-110025

Semester II

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|------------------------------------|-------------------------------|----------|-----------|-------|---------|
| | | Lecture | Tutorial | Practical | Total | |
| | | (L) | (T) | (P) | Hours | |
| AS-201 | English/Social Science | 2 | 1 | -- | 3 | 3 |
| AS-202 | Engineering Physics - II | 2 | 1 | -- | 3 | 3 |
| AS-203 | Engineering Chemistry - II | 2 | 1 | -- | 3 | 3 |
| AS-204 | Engineering Maths. - II | 2 | 1 | -- | 3 | 3 |
| CE-110 | Elements of Civil Engineering | 2 | 1 | -- | 3 | 3 |
| ME-201 | Thermodynamics | 2 | 1 | -- | 3 | 3 |
| EC-201 | Basics of Electronics and Comm. | 2 | 1 | -- | 3 | 3 |
| CS - 201 | Fundamentals of Computing | 2 | 1 | -- | 3 | 2 |
| AS-205 | Chemistry Lab. - II | -- | -- | 2 | 2 | 2 |
| AS-206 | Physics Lab. - II | -- | -- | 2 | 2 | 2 |
| ME-202 | Engineering Graphics - II | -- | -- | 3 | 3 | 2 |
| ME-203 | Workshop - II | -- | -- | 3 | 3 | 2 |
| CE-160 | Elements of Civil Engineering Lab. | -- | -- | 2 | 2 | 2 |

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S. Ahmed
25.9.2019

Semester III

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|----------------------------------|-------------------------------|----------|-----------|-------|---------|
| | | Lecture | Tutorial | Practical | Total | |
| | | (L) | (T) | (P) | Hours | |
| CE-201 | Fluid Mechanics | 3 | 1 | - | 4 | 4 |
| CE-202 | Mechanics of Solids | 3 | 1 | - | 4 | 4 |
| CE-203 | Engineering Geology | 3 | 1 | - | 4 | 4 |
| AS-201 | Numerical Method | 3 | 1 | - | 4 | 4 |
| CE-205 | Surveying | 3 | 1 | - | 4 | 4 |
| CE-206 | Civil Engineering Materials | 3 | 1 | - | 4 | 4 |
| CE-251 | Fluid Mechanics Lab. | - | - | 3 | 3 | 2 |
| CE-253 | Engineering Geology lab. | - | - | 3 | 3 | 2 |
| CE-255 | Surveying Lab. | - | - | 3 | 3 | 2 |
| CE-256 | Civil Engineering Materials Lab. | - | - | 3 | 3 | 2 |

Semester IV

| | | | | | | |
|--------|-------------------------------|---|---|---|---|---|
| CE-210 | Structural Analysis - I | 3 | 1 | - | 4 | 4 |
| CE-211 | Geo-informatics | 3 | 1 | - | 4 | 4 |
| CE-212 | Hydraulics | 3 | 1 | - | 4 | 4 |
| CE-213 | Building Construction | 3 | 1 | - | 4 | 4 |
| AS-214 | Computer System & Application | 3 | 1 | - | 4 | 4 |
| CE-215 | Estimating - Costing & CED | 1 | 1 | 3 | 5 | 4 |
| CE-260 | Structural Analysis Lab. - I | - | - | 3 | 3 | 2 |
| CE-261 | Geo - Informatics Lab. | - | - | 3 | 3 | 2 |
| CE-262 | Hydraulics lab. | - | - | 3 | 3 | 2 |
| CE-265 | Computer Practice - I | - | - | 3 | 3 | 2 |

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S. Chandra
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Semester V

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|------------------------------------|-------------------------------|----------|-----------|-------|---------|
| | | Lecture | Tutorial | Practical | Total | |
| | | (L) | (T) | (P) | Hours | |
| CE-301 | Soil Mechanics | 3 | 1 | - | 4 | 4 |
| CE-302 | Structural Analysis-II | 3 | 1 | - | 4 | 4 |
| CE-303 | Design of Structures- I(Steel) | 3 | 1 | - | 4 | 4 |
| CE-304 | Design of Structures-II (Concrete) | 3 | 1 | - | 4 | 4 |
| CE-305 | Open Channel Flow | 3 | 1 | - | 4 | 4 |
| CE-306 | Environmental Engineering-I | 3 | 1 | - | 4 | 4 |
| CE-353 | Design of Structure Lab. - I | - | - | 3 | 3 | 2 |
| CE-354 | Design of Structure Lab. - II | - | - | 3 | 3 | 2 |
| CE-356 | Environmental Engineering Lab. I | - | - | 3 | 3 | 2 |
| CE-357 | Survey Camp | - | - | 4 | 4 | 2 |
| CE-350 | Computer Practice - II | | | 3 | 3 | 2 |

Semester VI

| | | | | | | |
|--------|-----------------------------------|---|---|---|---|---|
| CE-310 | Geotechnical Engineering | 3 | 1 | - | 4 | 4 |
| CE-311 | Structural Analysis-III | 3 | 1 | - | 4 | 4 |
| CE-312 | Design of Structures-III | 3 | 1 | - | 4 | 4 |
| CE-313 | Hydrology | 3 | 1 | - | 4 | 4 |
| CE-314 | Transportation Engineering-I | 3 | 1 | - | 4 | 4 |
| CE-315 | Environmental Engineering-II | 3 | 1 | - | 4 | 4 |
| CE-360 | Geotechnical Engineering Lab. | - | - | 3 | 3 | 2 |
| CE-362 | Design of Structures Lab.-III | - | - | 3 | 3 | 2 |
| CE-364 | Transportation Engineering Lab.-I | - | - | 3 | 3 | 2 |
| CE-365 | Environmental Engineering Lab-II | - | - | 3 | 3 | 2 |

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Semester VII

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|--|-------------------------------|----------|-----------|-------|---------|
| | | Lecture | Tutorial | Practical | Total | |
| | | (L) | (T) | (P) | Hours | |
| CE-401 | Foundation Engineering | 3 | 1 | - | 4 | 4 |
| CE-402 | Irrigation Engineering | 3 | 1 | - | 4 | 4 |
| CE-403 | Transportation Engineering-II | 3 | 1 | - | 4 | 4 |
| CE-404 | Design of Structures -IV (concrete) | 3 | 1 | - | 4 | 4 |
| CE-405 | Engineering Economics & Construction Management | 3 | 1 | - | 4 | 4 |
| CE-406 | Water Resources Engineering - I | 3 | 1 | - | 4 | 4 |
| CE-407 | Summer Practical Training | - | - | - | 2 | 2 |
| CE-408 A | Project | 1 | 1 | 2 | 4 | 4 |
| | Design of Structure lab - IV | - | - | 2 | 2 | 2 |
| CE-455 | Construction Management Lab. | - | - | 2 | 2 | 2 |

Semester VIII

| | | | | | | |
|----------|---------------------------------|-----|----|----|-----|-----|
| CE-410 | Water Resource Engineering - II | 3 | 1 | - | 4 | 4 |
| CE-411 | Earthquake Resistant Design | 3 | 1 | - | 4 | 4 |
| CE-412 | Environmental Engineering - III | 3 | 1 | - | 4 | 4 |
| CE-413 | Elective - I | 3 | 1 | - | 4 | 4 |
| CE-414 | Elective - II | 3 | 1 | - | 4 | 4 |
| CE-408 B | Project | 3 | 0 | 10 | 13 | 10 |
| CE-470 | Seminar | | | | 0 | 2 |
| Total | | 137 | 51 | 97 | 287 | 262 |

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NOTE: GREEN FILL represents NEWLY INTRODUCED COURSES in 2015 with respect to 2010.

RED FILL represents DELETED COURSES in 2015 with respect to 2017.

Structure of Curriculum for 2015 scheme

Semester I

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|----------------------------------|-------------------------------|----------|-----------|-------------|---------|
| | | Lecture | Tutorial | Practical | Total Hours | |
| | | (L) | (T) | (P) | | |
| AS-101 | Communication Skills | 3 | -- | -- | | 3 |
| AS-151 | Language Lab | -- | -- | 2 | | 1 |
| AS-102 | Engineering Physics - I | 2 | 1 | -- | | 3 |
| AS-152 | Engineering Physics Lab. - I | -- | -- | 2 | | 1 |
| AS-103 | Engineering Chemistry - I | 2 | 1 | -- | | 3 |
| AS-153 | Engineering Chemistry Lab. - I | -- | -- | 2 | | 1 |
| AS-104 | Engineering Maths - I | 3 | 1 | -- | | 4 |
| CE-101 | Basics of Civil Engineering | 2 | 1 | -- | | 3 |
| ME-101 | Basics of Mechanical Engineering | 2 | 1 | -- | | 3 |
| EE-101 | Basics of Electrical Engineering | 2 | 1 | -- | | 3 |
| ME-151 | Workshop | -- | -- | 4 | | 2 |
| AS-101 | Communication Skills | 3 | -- | -- | | 3 |
| AS-151 | Language Lab | -- | -- | 2 | | 1 |

Semester II

| | | | | | | |
|--------|----------------------------------|----|----|----|--|---|
| AS-202 | Engineering Physics - II | 2 | 1 | -- | | 3 |
| AS-252 | Physics Lab. - II | -- | -- | 2 | | 1 |
| AS-203 | Engineering Chemistry - II | 2 | 1 | -- | | 3 |
| AS-253 | Chemistry Lab. - II | -- | -- | 2 | | 1 |
| AS-204 | Engineering Maths. - II | 3 | 1 | -- | | 4 |
| AS-205 | Innovative Sciences & Technology | 2 | 1 | -- | | 4 |
| EC-101 | Basics of Electronics and Comm. | 2 | 1 | -- | | 3 |
| CS-101 | Fundamentals of Computing | 1 | 1 | -- | | 3 |
| ME-250 | Engineering Graphics | -- | -- | 4 | | 2 |

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Semester III

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|----------------------------------|-------------------------------|----------|-----------|-------------|---------|
| | | Lecture | Tutorial | Practical | Total Hours | |
| | | (L) | (T) | (P) | | |
| CE-301 | Fluid Mechanics | 3 | 1 | - | | 4 |
| CE-351 | Fluid Mechanics Lab. | - | - | 2 | | 2 |
| CE-302 | Solid Mechanics | 3 | 1 | - | | 4 |
| CE-352 | Solid Mechanics Lab. | - | - | 2 | | 2 |
| CE-303 | Engineering Geology | 4 | - | - | | 4 |
| CE-353 | Engineering Geology lab. | - | - | 2 | | 2 |
| CE-304 | Civil Engineering Materials | 4 | - | - | | 4 |
| CE-354 | Civil Engineering Materials Lab. | - | - | 2 | | 2 |
| CE-305 | Numerical Methods | 3 | 1 | - | | 4 |

Semester IV

| | | | | | | |
|--------|------------------------------|---|---|---|--|---|
| CE-401 | Structural Analysis - I | 3 | 1 | - | | 4 |
| CE-451 | Structural Analysis Lab. - I | - | - | 2 | | 2 |
| CE-402 | Hydraulics | 3 | 1 | - | | 4 |
| CE-452 | Hydraulics lab. | - | - | 2 | | 2 |
| CE-403 | Building Construction | 4 | - | - | | 4 |
| CE-404 | Estimating and Costing | 3 | 1 | - | | 4 |
| CE-454 | Civil Engineering Drawing | - | - | 2 | | 2 |
| CE-405 | Surveying | 3 | 1 | - | | 4 |
| CE-455 | Surveying Lab. | - | - | 2 | | 2 |

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Semester V

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|-----------------------------------|-------------------------------|----------|-----------|-------|---------|
| | | Lecture | Tutorial | Practical | Total | |
| | | (L) | (T) | (P) | Hours | |
| CE-501 | Structural Analysis-II | 3 | 1 | - | | 4 |
| CE-502 | Design of Concrete Structures | 3 | 1 | - | | 4 |
| CE-552 | Design of Concrete Structure Lab. | - | - | 2 | | 2 |
| CE-503 | Open Channel Flow | 3 | 1 | - | | 4 |
| CE-504 | Geotechnical Engineering | 3 | 1 | - | | 4 |
| CE-554 | Geotechnical Engineering Lab | - | - | 2 | | 2 |
| CE-505 | Environmental Engineering - I | 3 | 1 | - | | 4 |
| CE-555 | Environmental Engineering Lab-I | - | - | 2 | | 2 |
| CE-556 | Surveying Camp | - | - | 2 | | 2 |

Semester VI

| | | | | | | |
|--------|----------------------------------|---|---|---|--|---|
| CE-601 | Advanced Structural Analysis | 3 | 1 | - | | 4 |
| CE-602 | Transportation Engineering | 3 | 1 | - | | 4 |
| CE-652 | Transportation Engineering Lab. | | | 2 | | 2 |
| CE-603 | Design of Steel Structures | 3 | 1 | - | | 4 |
| CE-653 | Design of Steel Structures Lab | | | 2 | | 2 |
| CE-604 | Hydrology | 3 | 1 | - | | 4 |
| CE-605 | Environmental Engineering - II | 3 | 1 | - | | 4 |
| CE-655 | Environmental Engineering La -II | - | - | 2 | | 2 |

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Semester VII

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|---|-------------------------------|----------|-----------|-------------|---------|
| | | Lecture | Tutorial | Practical | Total Hours | |
| | | (L) | (T) | (P) | | |
| CE-701 | Foundation Engineering | 3 | 1 | - | | 4 |
| CE-702 | Design of Structures | 3 | 1 | - | | 4 |
| CE-752 | Design of Structures Lab. | - | - | 2 | | 2 |
| CE-703 | Water Resources Engineering | 3 | 1 | - | | 4 |
| CE-704 | Engineering Economics & Construction Management | 4 | - | - | | 4 |
| CE-754 | Construction Management Lab | - | - | 2 | | 2 |
| CE-711 | Elective - I | 4 | - | - | | 4 |
| CE-756 | Summer Practical Training | - | - | - | | 2 |
| CE-755 | Minor Project | - | - | 4 | | 4 |

Semester VIII

| | | | | | | |
|--------|------------------------|-----|----|----|---|-----|
| CE-801 | Irrigation Engineering | 3 | 1 | - | | 4 |
| CE-811 | Elective – II | 4 | - | - | | 4 |
| CE-812 | Elective – III | 4 | - | - | | 4 |
| CE-813 | Project | - | - | 4 | | 8 |
| Total | | 119 | 33 | 60 | 0 | 211 |

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NEW DELHI

Note: Green File / colour represents Newly INTRODUCED COURSES in 2015 with respect to 2010 structure of Curriculum for 2015 scheme.

Structure of Curriculum for 2015 scheme

Semester I

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|----------------------------------|-------------------------------|----------|-----------|-------------|---------|
| | | Lecture | Tutorial | Practical | Total Hours | |
| | | (L) | (T) | (P) | | |
| AS-101 | Communication Skills | 3 | -- | -- | | 3 |
| AS-151 | Language Lab | -- | -- | 2 | | 1 |
| AS-102 | Engineering Physics - I | 2 | 1 | -- | | 3 |
| AS-152 | Engineering Physics Lab. - I | -- | -- | 2 | | 1 |
| AS-103 | Engineering Chemistry - I | 2 | 1 | -- | | 3 |
| AS-153 | Engineering Chemistry Lab. - I | -- | -- | 2 | | 1 |
| AS-104 | Engineering Maths - I | 3 | 1 | -- | | 4 |
| CE-101 | Basics of Civil Engineering | 2 | 1 | -- | | 3 |
| ME-101 | Basics of Mechanical Engineering | 2 | 1 | -- | | 3 |
| EE-101 | Basics of Electrical Engineering | 2 | 1 | -- | | 3 |
| ME-151 | Workshop | -- | -- | 4 | | 2 |
| AS-101 | Communication Skills | 3 | -- | -- | | 3 |
| AS-151 | Language Lab | -- | -- | 2 | | 1 |

Semester II

| | | | | | | |
|--------|----------------------------------|----|----|----|--|---|
| AS-202 | Engineering Physics - II | 2 | 1 | -- | | 3 |
| AS-252 | Physics Lab. - II | -- | -- | 2 | | 1 |
| AS-203 | Engineering Chemistry - II | 2 | 1 | -- | | 3 |
| AS-253 | Chemistry Lab. - II | -- | -- | 2 | | 1 |
| AS-204 | Engineering Maths. - II | 3 | 1 | -- | | 4 |
| AS-205 | Innovative Sciences & Technology | 2 | 1 | -- | | 4 |
| EC-101 | Basics of Electronics and Comm. | 2 | 1 | -- | | 3 |
| CS-101 | Fundamentals of Computing | 1 | 1 | -- | | 3 |
| ME-250 | Engineering Graphics | -- | -- | 4 | | 2 |

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Semester III

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|----------------------------------|-------------------------------|----------|-----------|-------------|---------|
| | | Lecture | Tutorial | Practical | Total Hours | |
| | | (L) | (T) | (P) | | |
| CE-301 | Fluid Mechanics | 3 | 1 | - | | 4 |
| CE-351 | Fluid Mechanics Lab. | - | - | 2 | | 2 |
| CE-302 | Solid Mechanics | 3 | 1 | - | | 4 |
| CE-352 | Solid Mechanics Lab. | - | - | 2 | | 2 |
| CE-303 | Engineering Geology | 4 | - | - | | 4 |
| CE-353 | Engineering Geology lab. | - | - | 2 | | 2 |
| CE-304 | Civil Engineering Materials | 4 | - | - | | 4 |
| CE-354 | Civil Engineering Materials Lab. | - | - | 2 | | 2 |
| CE-305 | Numerical Methods | 3 | 1 | - | | 4 |

Semester IV

| | | | | | | |
|--------|------------------------------|---|---|---|--|---|
| CE-401 | Structural Analysis - I | 3 | 1 | - | | 4 |
| CE-451 | Structural Analysis Lab. - I | - | - | 2 | | 2 |
| CE-402 | Hydraulics | 3 | 1 | - | | 4 |
| CE-452 | Hydraulics lab. | - | - | 2 | | 2 |
| CE-403 | Building Construction | 4 | - | - | | 4 |
| CE-404 | Estimating and Costing | 3 | 1 | - | | 4 |
| CE-454 | Civil Engineering Drawing | - | - | 2 | | 2 |
| CE-405 | Surveying | 3 | 1 | - | | 4 |
| CE-455 | Surveying Lab. | - | - | 2 | | 2 |

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Semester V

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|-----------------------------------|-------------------------------|----------|-----------|-------------|---------|
| | | Lecture | Tutorial | Practical | Total Hours | |
| | | (L) | (T) | (P) | | |
| CE-501 | Structural Analysis-II | 3 | 1 | - | | 4 |
| CE-502 | Design of Concrete Structures | 3 | 1 | - | | 4 |
| CE-552 | Design of Concrete Structure Lab. | - | - | 2 | | 2 |
| CE-503 | Open Channel Flow | 3 | 1 | - | | 4 |
| CE-504 | Geotechnical Engineering | 3 | 1 | - | | 4 |
| CE-554 | Geotechnical Engineering Lab | - | - | 2 | | 2 |
| CE-505 | Environmental Engineering - I | 3 | 1 | - | | 4 |
| CE-555 | Environmental Engineering Lab-I | - | - | 2 | | 2 |
| CE-556 | Surveying Camp | - | - | 2 | | 2 |

Semester VI

| | | | | | | |
|--------|----------------------------------|---|---|---|--|---|
| CE-601 | Advanced Structural Analysis | 3 | 1 | - | | 4 |
| CE-602 | Transportation Engineering | 3 | 1 | - | | 4 |
| CE-652 | Transportation Engineering Lab. | | | 2 | | 2 |
| CE-603 | Design of Steel Structures | 3 | 1 | - | | 4 |
| CE-653 | Design of Steel Structures Lab | | | 2 | | 2 |
| CE-604 | Hydrology | 3 | 1 | - | | 4 |
| CE-605 | Environmental Engineering - II | 3 | 1 | - | | 4 |
| CE-655 | Environmental Engineering La -II | - | - | 2 | | 2 |

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Semester VII

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|---|-------------------------------|----------|-----------|-------------|---------|
| | | Lecture | Tutorial | Practical | Total Hours | |
| | | (L) | (T) | (P) | | |
| CE-701 | Foundation Engineering | 3 | 1 | - | | 4 |
| CE-702 | Design of Structures | 3 | 1 | - | | 4 |
| CE-752 | Design of Structures Lab. | - | - | 2 | | 2 |
| CE-703 | Water Resources Engineering | 3 | 1 | - | | 4 |
| CE-704 | Engineering Economics & Construction Management | 4 | - | - | | 4 |
| CE-754 | Construction Management Lab | - | - | 2 | | 2 |
| CE-711 | Elective - I | 4 | - | - | | 4 |
| CE-756 | Summer Practical Training | - | - | - | | 2 |
| CE-755 | Minor Project | - | - | 4 | | 4 |

Semester VIII

| | | | | | | |
|--------|------------------------|-----|----|----|---|-----|
| CE-801 | Irrigation Engineering | 3 | 1 | - | | 4 |
| CE-811 | Elective – II | 4 | - | - | | 4 |
| CE-812 | Elective – III | 4 | - | - | | 4 |
| CE-813 | Project | - | - | 4 | | 8 |
| Total | | 119 | 33 | 60 | 0 | 211 |

S. Ahmed
25.7.2019

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JAMIA BAHAIYA DELHI

NOTE: GREEN FILL / COLOUR represents
NEWLY INTRODUCED COURSES
in 2017 with respect to
STRUCTURE OF CURRICULUM for 2015

Structure of Curriculum for 2017 scheme

Semester I

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|----------------------------------|-------------------------------|----------|-----------|-------------|---------|
| | | Lecture | Tutorial | Practical | Total Hours | |
| | | (L) | (T) | (P) | | |
| AS-101 | Communication Skills | 3 | 0 | 0 | 3 | 3 |
| AS-151 | Language Lab | 0 | 0 | 2 | 2 | 1 |
| AS-102 | Engineering Physics I | 2 | 1 | 0 | 3 | 3 |
| AS-152 | Engineering Physics Lab I | 0 | 0 | 2 | 2 | 1 |
| AS-103 | Engineering Chemistry I | 2 | 1 | 0 | 3 | 3 |
| AS-153 | Engineering Chemistry Lab I | 0 | 0 | 2 | 2 | 1 |
| AS-104 | Engineering Maths I | 3 | 1 | 0 | 4 | 4 |
| CE-101 | Basics of Civil Engineering | 2 | 1 | 0 | 3 | 3 |
| ME-101 | Basics of Mechanical Engineering | 2 | 1 | 0 | 3 | 3 |
| EE-101 | Basics of Electrical Engineering | 2 | 1 | 0 | 3 | 3 |
| ME-151 | Workshop Practice | 0 | 0 | 4 | 4 | 2 |
| ME-102 | Engineering Mechanics Lab | 0 | 0 | 2 | 2 | 1 |

Semester II

| | | | | | | |
|--------|---|---|---|---|---|---|
| AS-201 | Human Resource Management | 3 | 0 | 0 | 3 | 3 |
| AS-202 | Engineering Physics II | 2 | 1 | 0 | 3 | 3 |
| AS-252 | Physics Lab II | 0 | 0 | 2 | 2 | 1 |
| AS-203 | Engineering Chemistry & Environmental Science | 2 | 1 | 0 | 3 | 3 |
| AS-253 | Chemistry Lab II | 0 | 0 | 2 | 2 | 1 |
| AS-204 | Engineering Maths, II | 3 | 1 | 0 | 4 | 4 |
| AS-205 | Innovative Technology & Biosciences | 3 | 1 | 0 | 4 | 4 |
| EC-201 | Basics of Electronics and Comm. | 3 | 0 | 0 | 3 | 3 |
| CS-201 | Fundamentals of Computing | 3 | 0 | 0 | 3 | 3 |
| ME-250 | Engineering Graphics | 0 | 0 | 4 | 4 | 2 |

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JALGAON

T. O. D. M. S. D.
25.9.2018

Semester III

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|---------------------------------|-------------------------------|----------|-----------|-------|---------|
| | | Lecture | Tutorial | Practical | Total | |
| | | (L) | (T) | (P) | Hours | |
| CE-301 | Solid Mechanics | 2 | 1 | 0 | 3 | 3 |
| CE-302 | Fluid Mechanics | 2 | 1 | 0 | 3 | 3 |
| CE-303 | Civil Engineering Materials | 3 | 0 | 0 | 3 | 3 |
| CE-304 | Surveying | 3 | 0 | 0 | 3 | 3 |
| CE-305 | Engineering Geology | 3 | 0 | 0 | 3 | 3 |
| AS-301 | Engineering Maths III | 3 | 1 | 0 | 4 | 4 |
| CE-351 | Solid Mechanics Lab | 0 | 0 | 2 | 2 | 1 |
| CE-352 | Fluid Mechanics Lab | 0 | 0 | 2 | 2 | 1 |
| CE-353 | Civil Engineering Materials Lab | 0 | 0 | 2 | 2 | 1 |
| CE-354 | Surveying Lab | 0 | 0 | 2 | 2 | 1 |
| CE-355 | Engineering Geology Lab | 0 | 0 | 2 | 2 | 1 |

Semester IV

| | | | | | | |
|--------|---|---|---|---|---|---|
| CE-401 | Structural Analysis I | 2 | 1 | 0 | 3 | 3 |
| CE-402 | Hydraulics | 2 | 1 | 0 | 3 | 3 |
| CE-403 | Building Construction | 3 | 0 | 0 | 3 | 3 |
| CE-404 | Geometrics | 2 | 1 | 0 | 3 | 3 |
| CE-405 | Estimating and Costing | 3 | 0 | 0 | 3 | 3 |
| CE-410 | Numerical Analysis and Computer Programming | 3 | 1 | 0 | 4 | 4 |
| CE-451 | Structural Analysis Lab | 0 | 0 | 2 | 2 | 1 |
| CE-452 | Hydraulics Lab | 0 | 0 | 2 | 2 | 1 |
| CE-453 | Civil Engineering Drawing | 0 | 0 | 4 | 4 | 2 |
| CE-454 | Geometrics Lab | 0 | 0 | 2 | 2 | 1 |
| CE-460 | Computer Lab | 0 | 0 | 2 | 2 | 1 |

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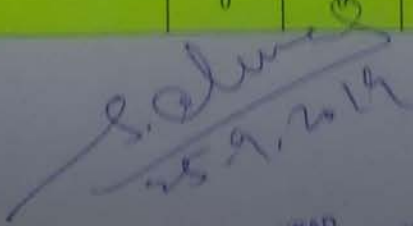
S. Ahmed
25.9.2019

Semester V

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|---------------------------------|-------------------------------|----------|-----------|-------------|---------|
| | | Lecture | Tutorial | Practical | Total Hours | |
| | | (L) | (T) | (P) | | |
| CE-501 | Structural Analysis II | 2 | 1 | 0 | 3 | 3 |
| CE-502 | Design of Structure I | 3 | 0 | 0 | 3 | 3 |
| CE-503 | Design of Structure II | 3 | 0 | 0 | 3 | 3 |
| CE-504 | Open Channel Flow | 2 | 1 | 0 | 3 | 3 |
| CE-505 | Soil Mechanics | 3 | 1 | 0 | 4 | 4 |
| CE-506 | Environmental Engineering I | 2 | 1 | 0 | 3 | 3 |
| CE-552 | Design of Structure I Lab | 0 | 0 | 2 | 2 | 1 |
| CE-553 | Design of Structure II Lab | 0 | 0 | 2 | 2 | 1 |
| CE-555 | Soil Mechanics Lab | 0 | 0 | 2 | 2 | 1 |
| CE-556 | Environmental Engineering Lab I | 0 | 0 | 2 | 2 | 1 |
| CE-557 | Survey Camp | 0 | 0 | 2 | 2 | 1 |

Semester VI

| | | | | | | |
|--------|----------------------------------|---|---|---|---|---|
| CE-601 | Structural Analysis III | 2 | 1 | 0 | 3 | 3 |
| CE-602 | Design of Structure III | 2 | 1 | 0 | 3 | 3 |
| CE-603 | Engineering Hydrology | 2 | 1 | 0 | 3 | 3 |
| CE-604 | Geotechnical Engineering | 2 | 1 | 0 | 3 | 3 |
| CE-605 | Environmental Engineering II | 3 | 0 | 0 | 3 | 3 |
| CE-606 | Transportation Engineering I | 3 | 0 | 0 | 3 | 3 |
| CE-655 | Environmental Engineering Lab II | 0 | 0 | 2 | 2 | 1 |
| CE-666 | Transportation Engineering Lab | 0 | 0 | 2 | 2 | 1 |
| CE-667 | Software Lab | 0 | 0 | 2 | 2 | 1 |


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Semester VII

| Course Code | Course Title | Total Number of contact hours | | | | Credits |
|-------------|---|-------------------------------|----------|-----------|-------|---------|
| | | Lecture | Tutorial | Practical | Total | |
| | | (L) | (T) | (P) | Hours | |
| CE-701 | Design of Structure IV | 2 | 1 | 0 | 3 | 3 |
| CE-702 | Irrigation Engineering | 3 | 0 | 0 | 3 | 3 |
| CE-703 | Foundation Engineering | 3 | 0 | 0 | 3 | 3 |
| CE-704 | Engineering Economics & Construction Management | 3 | 1 | 0 | 4 | 4 |
| CE-705 | Environmental Engineering III | 2 | 1 | 0 | 3 | 3 |
| CE-706 | Transportation Engineering II | 2 | 1 | 0 | 3 | 3 |
| CE-751 | Advance Structural Design Lab | 0 | 0 | 2 | 2 | 1 |
| CE-754 | Cons Management Lab | 0 | 0 | 2 | 2 | 1 |
| CE-757 | Summer Practical Training | 0 | 0 | 2 | 2 | 1 |
| CE-760 | Project | 0 | 0 | 8 | 8 | 4 |

Semester VIII

| | | | | | | |
|--------------|--------------|------------|-----------|-----------|------------|------------|
| CE-801 | Elective-I | 3 | 1 | 0 | 4 | 4 |
| CE-802 | Elective-II | 2 | 1 | 0 | 3 | 3 |
| CE-803 | Elective-III | 2 | 1 | 0 | 3 | 3 |
| CE-850 | Seminar | 0 | 0 | 2 | 2 | 1 |
| CE-860 | Project | 0 | 0 | 16 | 16 | 8 |
| Total | | 116 | 33 | 90 | 239 | 194 |

[Handwritten Signature]
25.9.2019

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