

# Rama University Uttar Pradesh, Kanpur

Ref: RU/FET/CED/BOS/2016

Dated: 27/05/2016

Faculty of Engineering & Technology  
Department of Civil Engineering  
Minutes of Meeting  
Boards of Studies

A meeting of Boards of Studies of Civil Engineering, FET was held on 26/05/2016 (Thursday) at 2:30 PM. in conference room of FET. The following members were present:

- |                          |                   |
|--------------------------|-------------------|
| 1. Mr. Satish Parihar    | - Chairperson     |
| 2. Mr. Sudeep Kumar      | - Member          |
| 3. Dr. Vinod Kumar Yadav | - Member          |
| 4. Prof. Pradeep Kumar   | - External Member |
| 5. Er. D. D. Pathak      | - External Member |

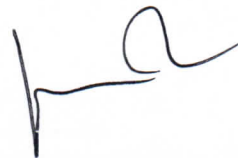
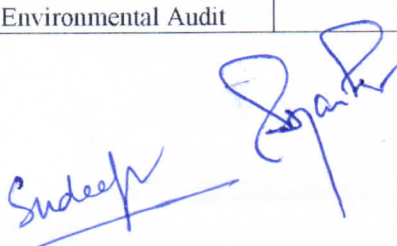

**Agenda:**

1. **Action Taken Report (ATR) on Minutes of Previous Meeting.**

The BOS committee reviewed and confirmed the minutes of the BOS meeting held on 02/05/2015

2. To consider and approve changes in the Evaluation Scheme and Syllabus.

S. No.	Item No.	Existing	Recommendation /Action Taken	
1	To consider and approve the changes in Evaluation Scheme and Syllabus for B.Tech. students to be admitted in the Academic Session 2016-17.	<b>The Subject code and Syllabus of the following from the existing Evaluation Scheme and Syllabus as</b>	The BOS considered changes in the Evaluation Scheme and Syllabus and thereafter discussion, recommended such changes in Evaluation Scheme and Syllabus	
		<b>Existing</b>		<b>Proposed</b>
		<b>Semester III :</b>		
		BCE-355-Building Planning & Drawing		BCE-356-Building Planning & Drawing
		<b>Semester IV : (Program Elective):</b>		
		BCE-011- Advanced Concrete Technologies		BCE-405-Advanced Concrete Technologies
		BCE-012-Urban Planning & Architecture		BCE-406-Urban Planning & Architecture
		BCE-013-Disaster Mitigation & Earthquake Engineering		BCE-407-Disaster Mitigation & Earthquake Engineering
		BCE-014-Industrial Pollution Control & Environmental Audit	BCE-408-Industrial Pollution Control & Environmental Audit	

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S. No.	Item No.	Existing		Recommendation /Action Taken
2	To consider and approve the changes in Evaluation Scheme and Syllabus for M.Tech. (Civil with Specialization in Structural Engineering) students to be admitted in the Academic Session 2016-17	The Subject code and Syllabus of the following from the existing Evaluation Scheme and Syllabus as		The BOS considered changes in the Evaluation Scheme and Syllabus and thereafter discussion, recommended such changes in Evaluation Scheme and Syllabus
		Existing	Proposed	
		<b>Semester I (Core Subject) :</b>		
		MCE-104-Computer Aided Design	MCE-104-Pre-stressed Concrete Design	
		<b>Semester III (Program Elective):</b>		
		MCE-031- Pre-stressed Concrete Design	MCE-301- Computer Aided Design	
		MCE-032-Advanced Foundation Engineering	MCE-302-Advanced Foundation Engineering	
		MCE-033-Advanced Design of Steel Structures	MCE-303-Advanced Design of Steel Structures	
		MCE-034-Design of Earthquake Resistant Structures	MCE-304-Design of Earthquake Resistant Structures	
		MCE-035-Stability Theories in Structural Engineering	MCE-305-Stability Theories in Structural Engineering	
		MCE-036-Design of Tall Structures	MCE-306-Design of Tall Structures	
		MCE-037-Design of Offshore Structures	MCE-307-Design of Offshore Structures	
MCE-038-Reliability Based Civil Engineering Design	MCE-308-Reliability Based Civil Engineering Design			

**3. To consider the proposed revision of Evaluation Scheme and Syllabus for B.Tech and M.Tech. (Civil with Specialization in Structural Engineering) students to be admitted in the Academic Session 2017-18 including introduction of new specializations in M.Tech.(Civil)**

The board approved the review committee for considering the proposed revision of Evaluation Scheme and Syllabus for B.Tech and M.Tech. (Civil with Specialization in Structural Engineering) students to be admitted in the Academic Session 2017-18 including introduction of new specialization in M.Tech.(Civil)

A committee of Mr. Avinash Singh, Mr.Utsav Mani and Ms, Rati Bajpai (External member) was constituted in this connection.

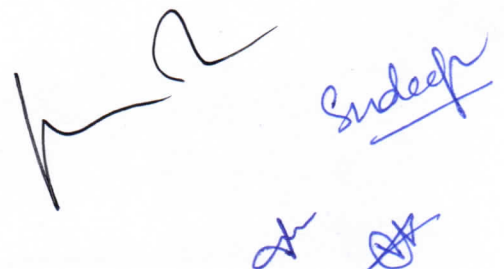
The meeting concluded with a vote of thanks to the chair.

Date of the Next Meeting: to be decided and intimated thereafter

(Chairman)

*Encl.: Recommended Curricula attached for consideration and approval.*

CC: 1. Dean, FET  
2. Registrar Office



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# Evaluation Scheme & Syllabus for B. Tech. (Civil Engineering)

(Effective from the Session: 2016-17)

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## SEMESTER-I

S. N.	Subject Code	Name of the Subject	Periods			Evaluation Scheme			Total Marks	Credit
			L	T	P	CE	MTE	ETE		
<b>THEORY SUBJECT</b>										
1	BAS -103	Engineering Mathematics-I	3	1	0	20	20	60	100	4
2	BEC-101/ BCS -101	Basic Electronics Engineering/ Computer System and Programming in	3	1	0	20	20	60	100	4
3	BAS-102/ BAS-104	Engineering Chemistry/ Professional Communication	3	1	0	20	20	60	100	4
4	BEE-101/ BME-102	Basic Electrical Engineering / Engineering Mechanics	3	1	0	20	20	60	100	4
5	BAS-101	Engineering Physics-I	3	1	0	20	20	60	100	4
6	BME-101/ BAS-105	Basic Manufacturing Processes/ Environment & Ecology	3	1	0	20	20	60	100	4
<b>PRACTICAL/DESIGN/DRAWING</b>										
7	BAS-152/ BAS-154	Engineering Chemistry Lab/ Professional Communication Lab	0	0	2	30	20	50	100	1
8	BEE-151/ BME-152	Basic Electrical & Electronics Engineering Lab/ Engineering	0	0	2	30	20	50	100	1
9	BWS-151/ BCE-151	Workshop Practice/ Basic Engineering Drawing	0	0	3	30	20	50	100	1
10	BAS-151/ BCS-151	Engineering Physics Lab/ Computer Programming Lab	0	0	2	30	20	50	100	1
<b>TOTAL</b>			<b>18</b>	<b>4</b>	<b>9</b>	<b>240</b>	<b>200</b>	<b>560</b>	<b>1000</b>	<b>28</b>

**Convener**

Signature: .....

Name : .....

Date : .....

Satish Parihar

**Internal Members**

Signature: 1.....

Name: .....

Date: .....

Sudeep Kumar

2.....

Dr. Vinod Kumar Yadav

**External Members**

Signature: 1.....

Name: .....

Date: .....

Dr. Pradeep Kumar

2.....

D. D. Pathak

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### SEMESTER-II

S. N.	Subject Code	Name of the Subject	Periods			Evaluation			Total Marks	Credit
			L	T	P	CE	MTE	ETE		
<b>THEORY SUBJECT</b>										
1	BAS -203	Engineering Mathematics-II	3	1	0	20	20	60	100	4
2	BEC-201/ BCS -201	Basic Electronics Engineering/ Computer System and Programming in C	3	1	0	20	20	60	100	4
3	BAS-202/ BAS-204	Engineering Chemistry/ Professional Communication	3	1	0	20	20	60	100	4
4	BEE-201/ BME-202	Basic Electrical Engineering / Engineering Mechanics	3	1	0	20	20	60	100	4
5	BAS-201	Engineering Physics-II	3	1	0	20	20	60	100	4
6	BME-201/ BAS-205	Basic Manufacturing Processes/ Environment & Ecology	3	1	0	20	20	60	100	4
<b>PRACTICAL/DESIGN/DRAWING</b>										
7	BAS-252/ BAS-254	Engineering Chemistry Lab/ Professional Communication Lab	0	0	2	30	20	50	100	1
8	BEE-251/ BME-252	Basic Electrical & Electronics Engineering Lab/ Engineering Mechanics Lab	0	0	2	30	20	50	100	1
9	BWS-251/ BCE-251	Workshop Practice/ Basic Engineering Drawing	0	0	3	30	20	50	100	1
10	BAS-251/ BCS-251	Engineering Physics Lab/ Computer Programming Lab	0	0	2	30	20	50	100	1
<b>TOTAL</b>			<b>18</b>	<b>4</b>	<b>9</b>	<b>240</b>	<b>200</b>	<b>560</b>	<b>1000</b>	<b>28</b>

**Convener**

Signature: .....

Name :

Date :

*Satish Parihar*  
Satish Parihar

**Internal Members**

Signature: 1.....

Name:

Date:

*Sudeep Kumar*  
Sudeep Kumar

2.....

*Dr. Vinod Kumar Yadav*  
Dr. Vinod Kumar Yadav

**External Members**

Signature: 1.....

Name:

Date:

*Dr. Prateek Kumar*  
Dr. Prateek Kumar

2.....

*A. A. Pathak*  
A. A. Pathak



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**SEMESTER-III**

S. N.	Subject Code	Name of the Subject	Periods			Evaluation			Total Marks	Credit
			L	T	P	CE	MTE	ETE		
<b>THEORY SUBJECTS</b>										
1	BME-302	Strength of Material	3	1	0	20	20	60	100	4
2	BCE-302	Fluid Mechanics	3	1	0	20	20	60	100	4
3	BCE-303	Building Materials & Construction	3	1	0	20	20	60	100	4
4	BCE-304	Surveying – I	3	1	0	20	20	60	100	4
5	BAS-301	Mathematics III	3	1	0	20	20	60	100	4
<b>PRACTICAL SUBJECTS</b>										
7	BCE-352	Fluid Mechanics Lab	0	0	2	30	20	50	100	1
8	BCE-353	Building Materials Lab	0	0	2	30	20	50	100	1
9	BCE-354	Surveying-I Lab	0	0	2	30	20	50	100	1
10	BCE-356	Building Planning & drawing	0	0	2	30	20	50	100	1
<b>TOTAL</b>			<b>15</b>	<b>5</b>	<b>8</b>	<b>240</b>	<b>200</b>	<b>560</b>	<b>1000</b>	<b>28</b>

**Convener**

Signature: \_\_\_\_\_

Name : \_\_\_\_\_

Date : \_\_\_\_\_

*Satish Parihar*  
Signature  
Name : Satish Parihar

**Internal Members**

Signature: 1. \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

*Sudeep Kumar*  
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Name: Sudeep Kumar

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*Ar. Vinod Kumar Yadav*  
Signature  
Name: Ar. Vinod Kumar Yadav

**External Members**

Signature: 1. \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

*Dr. Pradeep Kumar*  
Signature  
Name: Dr. Pradeep Kumar

2. \_\_\_\_\_

*D. S. Pathak*  
Signature  
Name: D. S. Pathak

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**SEMESTER-IV**

S. N.	Subject Code	Name of the Subject	Periods			Evaluation			Total Marks	Credit
			L	T	P	CE	MTE	ETE		
<b>THEORY SUBJECTS</b>										
1	BCE-401	Structural Analysis -I	3	1	0	20	20	60	100	4
2	BCE-402	Hydraulics & Hydraulic Machines	3	1	0	20	20	60	100	4
3	BCE-403	Engineering Geology	3	1	0	20	20	60	100	4
4	BCE-404	Geo-informatics	3	1	0	20	20	60	100	4
5	BCE-405-408	*Departmental Elective-I	3	1	0	20	20	60	100	4
<b>PRACTICAL SUBJECTS</b>										
7	BCE-451	Structural Analysis Lab	0	0	2	30	20	50	100	1
8	BCE-452	Geoinformatics Lab	0	0	2	30	20	50	100	1
9	BCE-453	Hydraulics & Hydraulic M/cs Lab	0	0	2	30	20	50	100	1
10	BCE-454	CBSNT Lab	0	0	2	30	20	50	100	1
<b>TOTAL</b>			<b>15</b>	<b>5</b>	<b>8</b>	<b>220</b>	<b>180</b>	<b>500</b>	<b>900</b>	<b>24</b>

**Convener**

Signature: \_\_\_\_\_

Name : \_\_\_\_\_

Date : \_\_\_\_\_

*Satish Parihar*  
Signature: \_\_\_\_\_  
Name : *Satish Parihar*  
Date : \_\_\_\_\_

**Internal Members**

Signature: 1. \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

*Sudeep Kumar*  
Signature: \_\_\_\_\_  
Name: *Sudeep Kumar*  
Date: \_\_\_\_\_

2. \_\_\_\_\_

*Ar. Vinod Kumar Yadav*  
Signature: \_\_\_\_\_  
Name: *Ar. Vinod Kumar Yadav*  
Date: \_\_\_\_\_

**External Members**

Signature: 1. \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

*Dr. Pradeep Kumar*  
Signature: \_\_\_\_\_  
Name: *Dr. Pradeep Kumar*  
Date: \_\_\_\_\_

2. \_\_\_\_\_

*D. D. Pathak*  
Signature: \_\_\_\_\_  
Name: *D. D. Pathak*  
Date: \_\_\_\_\_

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## SEMESTER-V

S. N.	Subject Code	Name of the Subject	Periods			Evaluation			Total Marks	Credit
			L	T	P	CE	MTE	ETE		
<b>THEORY SUBJECTS</b>										
1	BCE-501	Geotechnical Engineering	3	1	0	20	20	60	100	4
2	BCE-502	Design of Concrete Structure-I	3	1	0	20	20	60	100	4
3	BCE-503	Transportation Engineering -I	3	1	0	20	20	60	100	4
4	BCE-504	Structure Analysis _II	3	1	0	20	20	60	100	4
5	BCE-505-508	*Departmental Elective-II	3	1	0	20	20	60	100	4
<b>PRACTICAL SUBJECTS</b>										
7	BCE-551	Geotechnical Engineering lab	0	0	2	30	20	50	100	1
8	BCE-552	Transportation Engineering Lab	0	0	2	30	20	50	100	1
9	BCE-553	CAD Lab – I	0	0	2	30	20	50	100	1
10	BCE-554	Concrete Technology Lab	0	0	2	30	20	50	100	1
<b>TOTAL</b>			<b>15</b>	<b>5</b>	<b>8</b>	<b>220</b>	<b>180</b>	<b>500</b>	<b>900</b>	<b>24</b>

**Convener**

Signature: .....

Name :

Date :

Satish Parikh

**Internal Members**

Signature: 1.....

Name:

Date:

Sudeep Kumar

2.....

Dr. Vinod Kumar Yadav

**External Members**

Signature: 1.....

Name:

Date:

Dr. Pradeep Kumar

2.....

D.D. Pathak



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## SEMESTER-VI

S. N.	Subject Code	Name of the Subject	Periods			Evaluation			Total Marks	Credit
			L	T	P	CE	MTE	ETE		
<b>THEORY SUBJECTS</b>										
1	BCE-601	Design of Concrete structure-II	3	1	0	20	20	60	100	4
2	BCE-602	Environmental Engineering-I	3	1	0	20	20	60	100	4
3	BCE-603	Transportation Engineering - II	3	1	0	20	20	60	100	4
4	BHU-601	Engineering & Managerial Economi.	3	1	0	20	20	60	100	4
5	BCE-604-607	*Departmental Elective-III	3	1	0	20	20	60	100	4
<b>PRACTICAL SUBJECTS</b>										
7	BCE-651	Cad Lab-II	0	0	2	30	20	50	100	1
8	BCE-652	Environmental Engineering Lab	0	0	2	30	20	50	100	1
9	BCE-653	Structural Detailing Lab	0	0	2	30	20	50	100	1
10	BCE-654	MAT Lab	0	0	2	30	20	50	100	1
<b>TOTAL</b>			<b>15</b>	<b>5</b>	<b>8</b>	<b>220</b>	<b>180</b>	<b>500</b>	<b>900</b>	<b>24</b>

**Convener**

Signature: .....

Name :

Date :

*Satish Bariker*  
Signature: .....

**Internal Members**

Signature: 1.....

Name:

Date:

*Sudeep Kumar*  
Signature: .....

2.....

*Dr. Vinod Kumar Yadav*  
Signature: .....

**External Members**

Signature: 1.....

Name:

Date:

*Dr. Pradeep Kumar*  
Signature: .....

2.....

*S. S. Pathak*  
Signature: .....

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**SEMESTER-VII**

S. N.	Subject Code	Name of the Subject	Periods			Evaluation			Total Marks	Credit
			L	T	P	CE	MTE	ETE		
<b>THEORY SUBJECTS</b>										
1	BCE-701	Design of Steel Structure	3	1	0	20	20	60	100	4
2	BCE-702	Water Resources Engineering	3	1	0	20	20	60	100	4
3	BCE-703	Environmental Engineering-II	3	1	0	20	20	60	100	4
4	BCE-704-707	*Departmental Elective-IV	3	1	0	20	20	60	100	4
5	BOE-701-704	**Open Elective-I	3	1	0	20	20	60	100	4
<b>PRACTICAL SUBJECTS</b>										
7	BCE-751	Seminar Departmental	0	0	2	30	20	50	100	1
8	BCE-752	Mini Project	0	0	2	30	20	50	100	1
9	BCE-753	Seminar	0	0	2	30	20	50	100	1
10	BCE-754	Industrial Training Viva-Voce	0	0	2	30	20	50	100	1
<b>TOTAL</b>			<b>15</b>	<b>5</b>	<b>8</b>	<b>220</b>	<b>180</b>	<b>500</b>	<b>900</b>	<b>24</b>

**Convener**

Signature: .....

Name :

Date :

*Setish Parikh*  
Setish Parikh

**Internal Members**

Signature: 1.....

Name: .....

Date: .....

*Sudeep Kumar*  
Sudeep Kumar

2.....  
Ar. Vinod Kumar Yadav

**External Members**

Signature: 1.....

Name: .....

Date: .....

*Dr. Pradeep Kumar*  
Dr. Pradeep Kumar

2.....  
S.S. Pathak

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## SEMESTER-VIII

S. N.	Subject Code	Name of the Subject	Periods			Evaluation			Total Marks	Credit
			L	T	P	CE	MTE	ETE		
<b>THEORY SUBJECTS</b>										
1	BCE-801-804	*Departmental Elective-V	3	1	0	20	20	60	100	4
2	BCE-805-808	*Departmental Elective-VI	3	1	0	20	20	60	100	4
<b>PRACTICAL SUBJECTS</b>										
3	BCE-851	Major Project	0	0	21	300	-	400	700	16
<b>TOTAL</b>			<b>6</b>	<b>2</b>	<b>21</b>	<b>340</b>	<b>40</b>	<b>520</b>	<b>900</b>	<b>24</b>

L-Lecture, T-Tutorial, P- Practical, CA- Continuous Assessment, MTE-Mid Term Examination, ETE-End Term Examination

### Evaluation Scheme:

#### Course with theory components only

For Continuous Assessment (CA) is such as: 20 Marks

- a) Attendance: 10 Marks
- b) Assignments: 5 Marks
- c) Class Tests: 5 Marks

MTE - Mid Term Examination: 20 Marks

- a) First Mid Term Examination: 10 Marks
- b) Second Mid Term Examination: 10 Marks

ETE - End Term Examination: 60 Marks

#### Course with practical components only

For Continuous Assessment (CA) is such as: 30 Marks

- a) Attendance : 10 Marks
- b) Perform : 10 Marks
- c) Practical File : 10 Marks

MTE - Mid Term Examination: 20 Marks

- a) Execution : 10 Marks
- b) Viva-Voce : 10 Marks

ETE - End Term Examination: 50 Marks

#### Convener


Signature:   
 Name : Satish Parihar  
 Date :


#### Internal Members

Signature: 1.   
 Name: Sudeep Kumar  
 Date: \_\_\_\_\_

Signature: 2.   
 Name: Dr. Vinod Kumar Yadav  
 Date: \_\_\_\_\_

#### External Members

Signature: 1.   
 Name: Dr. Pradeep Kumar  
 Date: \_\_\_\_\_

Signature: 2.   
 Name: D.D. Pathak  
 Date: \_\_\_\_\_