

Rama University Uttar Pradesh, Kanpur

Ref:RU/FET/CED/BOS/2015

Dated: 06/05/2015

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 02/05/2015 (Saturday) at 2:30 PM. in conference room of FET. The following members were present:

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

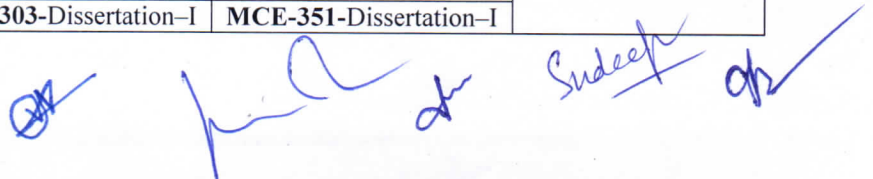
Agenda:

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

The BOS committee reviewed and confirmed the minutes of the BOS meeting held on 04/05/2014

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 M.Tech. (Civil with Specialization in Structural Engineering) students to be admitted in the Academic Session 2015-16	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
		Semester I :		
		MCE-101-Advanced Mathematics and Numerical Analysis		MAS-101-Advanced Mathematics and Numerical Analysis
		Semester II :		
		MCE-203-Theory of Plates & Shells		MCE-204-Theory of Plates & Shells
		Semester II (Program Elective):		
		MCE-021-Advance Concrete Technology		MCE-203-Advance Concrete Technology
		MCE-022-Ground Improvement Techniques		MCE-205-Ground Improvement Techniques
		MCE-023-Matrix Method of Analysis		MCE-206-Matrix Method of Analysis
MCE-024-Advanced Concrete Design	MCE-207-Advanced Concrete Design			
Semester III :				
MCE-303-Dissertation-I	MCE-351-Dissertation-I			




 Sudeep

S. No.	Item No.	Existing		Recommendation /Action Taken
2	To consider and approve the changes in Evaluation Scheme and Syllabus for B.Tech. students to be admitted in the Academic Session 2015-16.	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	
		Semester V (Program Elective):		
		BCE-021-Matrix Analysis of Structures	BCE-505-Matrix Analysis of Structures	
		BCE-022-Quantity Surveying & Costing	BCE-506-Quantity Surveying & Costing	
		BCE-023-Open Channel Flow	BCE-507-Open Channel Flow	
		BCE-024-Earth & Earth Retaining Structures	BCE-508-Earth & Earth Retaining Structures	
		Semester VI (Program Elective):		
		BCE-031-Advanced Foundation Design	BCE-604-Advanced Foundation Design	
		BCE-032-Advanced Concrete Structures	BCE-605-Advanced Concrete Structures	
		BCE-033-Transportation System Planning	BCE-606-Transportation System Planning	
		BCE-034-Environmental Geo-technology	BCE-607-Environmental Geo-technology	
		Semester VII (Program Elective):		
		BOE-071-Non-Conventional Energy Resources	BOE-701-Non-Conventional Energy Resources	
		BOE-072-Quality Management	BOE-702-Quality Management	
		BOE-073-Operations Research	BOE-703-Operations Research	
		BOE-074-Entrepreneurship Developments	BOE-704-Entrepreneurship Developments	

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





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

(Effective from the Session: 2015-16)

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FACULTY OF ENGINEERING & TECHNOLOGY

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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		
THEORY SUBJECT										
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
PRACTICAL/DESIGN/DRAWING										
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
TOTAL			18	4	9	240	200	560	1000	28

Convener

Signature: Sudeep

Name : Sudeep Kumar

Date :

Internal Members

Signature: 1. Dr. Vinod Kumar Yadav

Name: Dr. Vinod Kumar Yadav

Date:

Signature: 2. CP Manya

Name: CP Manya

External Members

Signature: 1. Pradeep Kumar

Name: Pradeep Kumar

Date:

Signature: 2. A. D. Pathak

Name: A. 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		
THEORY SUBJECT										
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
PRACTICAL/DESIGN/DRAWING										
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
TOTAL			18	4	9	240	200	560	1000	28

Convener

Signature: Sudeep

Name : Sudeep Kumar

Date :

Internal Members

Signature: 1. Dr. Vinod Kumar Yadav

Name: Dr. Vinod Kumar Yadav

Date:

Signature: 2. CP Manys

Name: CP Manys

External Members

Signature: 1. Pradeep Kumar

Name: Pradeep Kumar

Date:

Signature: 2. A. D. Pathak

Name: A. D. 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		
THEORY SUBJECTS										
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
PRACTICAL SUBJECTS										
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
TOTAL			15	5	8	240	200	560	1000	28

Convener

Signature: ... *Sudeep*

Name : *Sudeep Kumar*

Date :

Internal Members

Signature: 1. *Dr. Vinod Kumar Yadav*

Name: *Dr. Vinod Kumar Yadav*

Date:

Signature: 2. *CP Mang*

CP Mang

External Members

Signature: 1. *Pradeep Kumar*

Name: *Pradeep Kumar*

Date:

Signature: 2. *A. D. Pattnaik*

A. D. Pattnaik

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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		
THEORY SUBJECTS										
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-011-014	*Departmental Elective-I	3	1	0	20	20	60	100	4
PRACTICAL SUBJECTS										
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
TOTAL			15	5	8	220	180	500	900	24

Convener

Signature: *Sudeep*

Name : *Sudeep Kumar*

Date :

Internal Members

Signature: 1. *[Signature]*

Name: *Dr. Vinod Kumar Yadav*

Date:

Signature: 2. *[Signature]*

CP Manya

External Members

Signature: 1. *[Signature]*

Name: *Pradeep Kumar*

Date:

Signature: 2. *[Signature]*

D.D. Pathak

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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		
THEORY SUBJECTS										
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
PRACTICAL SUBJECTS										
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
TOTAL			15	5	8	220	180	500	900	24

Convener

Signature: Sudeep

Name : Sudeep Kumar

Date :

Internal Members

Signature: 1. [Signature]

Name: Dr. Vinod Kumar Yadav

Date:

Signature: 2. [Signature]

Name: CP Manya

External Members

Signature: 1. [Signature]

Name: Pradheep Kumar

Date:

Signature: 2. [Signature]

Name: A. 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		
THEORY SUBJECTS										
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
PRACTICAL SUBJECTS										
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
TOTAL			15	5	8	220	180	500	900	24

Convener

Signature: Sudeep

Name : Sudeep Kumar

Date :

Internal Members

Signature: 1. [Signature]
 Name: Dr. Vinod Kumar Yadav

2. [Signature]
 Name: CP Manya

Date:

External Members

Signature: 1. [Signature]

Name: Pradeep Kumar

Date:

2. [Signature]

Name: D.D. Pathak

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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		
THEORY SUBJECTS										
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
PRACTICAL SUBJECTS										
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
TOTAL			15	5	8	220	180	500	900	24

Convener

Signature: *Sudeep*

Name : *Sudeep Kumar*

Date :

Internal Members

Signature: 1. *[Signature]*

Name: *Dr. Vinod Kumar Yadav*

Date:

Signature: 2. *[Signature]*

Name: *CP Maurya*

External Members

Signature: 1. *[Signature]*

Name: *Pradeep Kumar*

Date:

Signature: 2. *[Signature]*

Name: *D. D. 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		
THEORY SUBJECTS										
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
PRACTICAL SUBJECTS										
3	BCE-851	Major Project	0	0	21	300	---	400	700	16
TOTAL			6	2	21	340	40	520	900	24

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: ...*Sudeep*.....

Name : *Sudeep Kumar*

Date :

Internal Members

Signature: 1.*Dr. Vinod Kumar Yadav*.....

Name:

Date:

2.*CP*.....

CP Mang

External Members

Signature: 1.*Pradheep Kumar*.....

Name:

Date:

2.*D.D. Pathak*.....

D.D. Pathak

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***DEPARTMENTAL ELECTIVES**

DEPARTMENTAL ELECTIVE-I

BCE-011- Advanced Concrete Technologies
BCE-012-Urban Planning & Architecture
BCE-013-Disaster Mitigation & Earthquake Engineering
BCE-014-Industrial Pollution Control & Environmental Audit

DEPARTMENTAL ELECTIVE-II

BCE-505-Matrix Analysis of Structures
BCE-506-Quantity Surveying & Costing
BCE-507-Open Channel Flow
BCE-508-Earth & Earth Retaining Structures

DEPARTMENTAL ELECTIVE-III

BCE-604-Advanced Foundation Design
BCE-605- Advanced Concrete Structures
BCE-606-Transportation System Planning
BCE-607-Environmental Geo-technology

DEPARTMENTAL ELECTIVE-IV

BCE-704-Bridge Engineering
BCE-705-Tunnel Engineering
BCE-706-Plastic Analysis of Structures
BCE-707- Engineering Hydrology

DEPARTMENTAL ELECTIVE-V

BCE-801-Precast & Modular Construction Practices
BCE-802-Earthquake Resistant Designs
BCE-803-Analysis & Design of Hydraulic Structures
BCE-804-Machine Foundation Design

DEPARTMENTAL ELECTIVE-VI

BCE-805-Water Resources Systems
BCE-806-River Engineering
BCE-807-Groundwater Management
BCE-808-Construction Technology & Management

****OPEN ELECTIVE-I**

BOE-701-Non-Conventional Energy Resources
BOE-702-Quality Management
BOE-703-Operations Research
BOE-704-Entrepreneurship Developments

Sudeep CP *HR*
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