



## Management Review System Formats

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### MINUTES OF THE MEETING

Name of the meeting: Board of Studies meeting of Department of Civil Engineering

Date of the meeting: 18.4.2015

Time: 10.00 am

Duration: 3 hours

Venue: Conference Hall of Civil Engineering Dept.

Points to be discussed:

1. Scrutinize and passing of the syllabi for M.E Infrastructure Engineering & Management Programme
2. Scrutinize and passing of the syllabi for new Electives M.E Infrastructure Engineering & Management Programme

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1.	Distribution of tutorial hours to be revised in the course 14IM110 Applied Statistics and Optimization which is also common to 14EN110	The course will be revised in the lecture schedule as per the suggestions and the course code nos. will be revised as 14IM111 and 14EN111	Dr. M. Sivanandha Saraswathy	29.4.2015
2.	The 1 <sup>st</sup> semester core courses titled 14IM120: Construction Material and Technology and 14IM140: Geo-techniques for Infrastructure and to be shifted to electives. In their place the courses namely Material Procurement and Management; and Project Formulation and Implementation to be introduced	15IM120:Material Procurement and Management and 15IM140: Project Formulation and Implementation will be introduced as core courses	Dr. G.Chitra	29.4.2015

3.	A core course on Environmental Impact Assessment for infrastructure programme to be introduced	A course titled 15IM160 Environmental Impact Assessment will be introduced as a core course with focus on integrated approach for infrastructure projects in place of 14IM160: Urban Environmental Management, which will be shifted to elective list	Mr. Ravishankar V.	29.4.2015
4.	The 1 <sup>st</sup> semester Lab 14IM180: Concrete Technology and Structural Engineering Lab to be replaced by Traffic Engineering Lab	The lab will be changed as 15IM180: Traffic Engineering Lab along with the related content	Ms. Srividiya D.	29.4.2015
5.	The title of the 2 <sup>nd</sup> semester core course 14IM220: Construction Planning, Scheduling and Management to be changed as Project Management	The titled will be changed as Project Management with the code as 15IM220	Dr. G.Chitra	29.4.2015
6.	The core course 14IM130: Traffic Engineering and Transport Planning to be revised as 14IM131: Traffic Engineering and Management	The topics related to transport planning will be removed and the course content will be revised incorporating the topics such as traffic signs, road markings, design of traffic signals, signal co-ordination, traffic control aids, road safety and traffic management.	Ms. D. Srividya & Dr. R. Velkennedy	29.4.2015
7.	Suggestion to include topic on Green Building Concept in the course 14IMPH0: Sustainable Development was given	Topic on Green Building Concept in the course Sustainable Development will be included and the code will be revised as 14IMPH1	Mr. Ravishankar V.	29.4.2015
8.	Suggestion to include topic on Smart City and Smart Grid in the course 14IMPJ0: Urban Planning and Design was given	Topics on Smart City and Smart Grid in the course 14IMPJ1: Urban Planning and Design will be introduced	Ms. Srividiya D.	29.4.2015
9.	Three new elective courses introduced were reviewed by the Board	New Elective courses namely: 14IMPL0: Transportation Planning, and 14IMPNO: Construction Equipment Management will be introduced with the suggestions of the board	Ms. Srividiya, Dr.G.Chitra	29.4.2015

10.	Elective course on "Value Engineering" to be introduced as common course for M.E Infrastructure, M.E. Structures and M.Tech Environmental Engg. & Management programmes	Elective course on "Value Engineering" will be introduced as common course; 14IMPP0: for M.E Infrastructure, 14SEPT0 for M.E. Structures and 14ENPP0: for M.Tech Environmental Engg. & Management programmes	Respective programme co-ordinators	29.4.2015
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Prepared by G. Chinn Date 18.4.15

Approved by [Signature] Date 18/04/15



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### MINUTES OF THE MEETING

Name of the meeting: **Board of Studies meeting of Department of Civil Engineering**

Date of the meeting: **18.04.2015**

Time: 10.00 am

Duration: 10:30AM to 2:00PM

Venue: Conference Hall of Civil Engineering Dept.

Points discussed:

1. M.E Structural Engineering Programme courses

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1.	<ol style="list-style-type: none"><li>1. Scrutinized the First semester M.E syllabus</li><li>2. Suggested to Incorporate Industrial visits in the relevant syllabus.</li><li>3. Recommended to introduce "Forensic Engg. and Rehabilitation of Structures" and "Structural Steel Design" as Core courses.</li><li>4. Suggested to make "Computer Aided Design" as an elective course instead of core course.</li><li>5. "Design of Concrete Structures" to be renamed as Analysis and Design of Concrete Structures.</li><li>6. Proposed Assessment Pattern was discussed and suitability modified.</li></ol>	Suggestions of the BOS meeting will be incorporated	Dr.S.Arul Mary Ms.M.Vigneshwari. Mr.R.Indrajith Krishnan	

2.	<b>14SE111-APPLIED MATHEMATICS</b> a) Suggested to introduce one module on "Probability & Statistics" including stochastic concept. b) Suggested introduce one module on "Review of test of Hyposthesis".	Suggestions of the BOS meeting will be incorporated.	Dr.R.Rammohan. Mrs.K.Angaleeswari.
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Prepared by... *J. Ch* ..... Date... 18.04.2015...

Approved by... *Rammohan* ..... Date... 18.04.2015...



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### MINUTES OF THE MEETING

Name of the meeting: Board of Studies meeting of Department of Civil Engineering

Date of the meeting: 12.7.2014

Time: 10.00 am

Duration: 2 hours

Venue: Conference Hall of Civil Engineering Dept.

Points to be discussed:

1. Vision and Mission of the Department
2. PEOs of B.E Civil Engineering Programme
3. POs of B.E Civil Engineering Programme
4. PEO – PO Matrix, PO - GA Matrix
5. Scheduling of courses
6. Scrutinize and passing of the syllabi for one credit courses: i) Durability of Concrete Structures and ii) Arbitration and Dispute Resolution

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1.	Vision, Mission and PEOs statements to be finalized	Vision, Mission and PEOs statements discussed and approved	Dr. G. Chitra & Ms. D. Srividya	18.7.14
2.	PEOs vs POs Matrix may also be mapped in 1 to 5 scale in addition to qualitative scale	To be discussed in College Level meetings	Dr. G. Chitra & Ms. D. Srividya	---

3. In scheduling of courses, the following suggestions were made:

S. No.	Suggestions incorporated	Dr. G. Chitra & Ms. D. Srividya	18.7.14
1. The course "Strength of Materials" to be introduced in II semester in place of "Mechanics of Solids"	--do--	Dr. G. Chitra & Ms. D. Srividya	18.7.14
2. The course "Mechanics of Solids" to be introduced in III semester in place of "Mechanics of Structures"	--do--	Dr. G. Chitra & Ms. D. Srividya	18.7.14
3. The name of the course "Surveying and Leveling" to be changed as "Surveying"	--do--	Dr. G. Chitra & Ms. D. Srividya	18.7.14
4. The name of the course "Engineering Design" in the III semester to be changed as "Principles of Engineering Design"	--do--	Dr. G. Chitra & Ms. D. Srividya	18.7.14
5. The name of the laboratory course "Hydraulics lab" to be changed as "Fluid Mechanics and Machinery Lab"	--do--	Dr. G. Chitra & Ms. D. Srividya	18.7.14
6. The name of the laboratory course "Soil and Roads Lab" to be changed as "Geo-technical Engineering Lab"	--do--	Dr. G. Chitra & Ms. D. Srividya	18.7.14
7. The courses titled, "Accounting and Finance" and "Project Management" to be interchanged mutually between VI and VII semesters	--do--	Dr. G. Chitra & Ms. D. Srividya	18.7.14
8. The name of the course "Highway Engineering" to be changed as "Highway and Airport Engineering"	--do--	Dr. G. Chitra & Ms. D. Srividya	18.7.14
9. The course titled "Railways, Docks and Harbour" to be newly introduced in the VII semester.	--do--	Dr. G. Chitra & Ms. D. Srividya	18.7.14
10. The name of the course "Quantity Surveying and Professional Ethics" to be changed as "Estimation and Costing". It is also to be converted as a practical course and shifted to VI semester instead of "Structural Design and Detailing Lab"	--do--	Dr. G. Chitra & Ms. D. Srividya	18.7.14

11. The courses titled "Design of Steel, Masonry and Timber Elements", "Design of Steel Structures" and "Design of RC Structures" to be introduced as Theory cum Practical courses to accommodate the drawing and detailing portions related to Structural Engineering	To be ratified in College level meeting	Dr. G. Chitra & Ms. D. Srividya	---
12. The content on masonry and timber in the course titled "Design of Steel, Masonry and Timber Elements" to be confined to a single module only	To be taken up while framing the curriculum of that course	Dr. G. Chitra & Ms. D. Srividya	---
13. Mode of assessment for Capstone courses to be given as a project or assignment with presentation instead of written examination	To be decided in College level meeting	Dr. G. Chitra & Ms. D. Srividya	---
14. The course titled "Environmental science" offered in the II semester as Humanities and Social Science course, need not offered for B.E Civil Engineering students as they will be studying the course in detail as a core course	To be decided in College level meeting	Dr. G. Chitra & Ms. D. Srividya	---
15. The general elective courses offered by Department of Civil Engg, to other discipline students can also be taken for study by B.E Civil Engineering students	To be decided in College level meeting	Dr. G. Chitra & Ms. D. Srividya	---

Prepared by... Coelms Date... 14/7/14...

Approved by... [Signature] Date... 14/08/14...





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MINUTES OF THE MEETING

Name of the meeting: Programme Advisory Committee meeting (BE Civil Engineering)

Date of the meeting: 15.11.2014

Time: 2.15 pm

Duration: 1.5 hours

Venue: Conference Hall of Civil Engineering Dept.

Points to be discussed:

1. Teaching learning related activities

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1	Conferences to be organized to understand the social requirements	Committee members suggested to encourage students to attend more conferences and faculty to organize workshops and conferences/symposium related to the social aspects	-	-
2	To introduce more core elective courses addressing the issues of the society and global issues	Expert members of the committee suggested to offer elective courses in Climate Change and Policies	HOD and Faculty members	-
3	To introduce courses related to infrastructure engineering as core courses in the BE programme	Experts of the committee strongly recommended to introduce courses related to infrastructure engineering such as sustainability and Environmental Impact Assessment as core courses in civil engineering programme	HOD and Faculty members	-

Prepared by.....*[Signature]*.....Date.....15/11/14.....

Approved by.....*[Signature]*.....Date.....15/11/14.....

MR-2 ✓ RSK-JD  
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 DB GCK ✓  
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MINUTES OF THE MEETING

Name of the meeting: Programme Advisory Committee meeting (ME Structural Engineering)

Date of the meeting: 15.11.2014

Time: 2.15 pm

Duration: 1.0 hours

Venue: Conference Hall of Civil Engineering Dept.

Points to be discussed:

- Teaching learning related activities related to ME Structural Engineering Programme

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1	Laboratory to be equipped with recent equipments	Committee members suggested to review the laboratory experiments and equip structural engineering laboratory with more recent equipments	HOD and Faculty members	-
2	Recent technology, materials in the field to be introduced in elective courses	Expert members of the committee suggested to introduce elective courses on recent technology and new materials	HOD and Faculty members	-
3	Faculty to undergo more FDP training in their area of interest	Experts of the committee strongly recommended faculty to undertake faculty training programme in the higher learning institutions and industry in their respective domain	HOD and Faculty members	-

Prepared by *[Signature]* Date *15.11.14*

Approved by *[Signature]* Date *15/11/14*

(KC) *[Signature]*

GCR *[Signature]*

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DB-*[Signature]*

RSN *[Signature]*

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MINUTES OF THE MEETING

Name of the meeting: Programme Advisory Committee meeting (ME Infrastructure Engineering and Management)

Date of the meeting: 15.11.2014

Time: 3.00 pm

Duration: 1.5 hours

Venue: Computer Lab of Civil I Engineering Dept.

Points to be discussed:

- Teaching learning related activities related to ME Infrastructure Engineering and Management

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1	Outcome based education	Recommendations to revamp syllabi of ME in Infrastructural Engineering for better implementation of OBE system	HOD and Faculty members	-
2	Introduce new elective courses as per the requirements of the industry	Expert members of the committee suggested to introduce electives courses to address all the sectors such as Equipment management and materials handling	Faculty members	-
3	Course on contract management	Committee members suggested to take Contracts and Arbitration into the programme	Faculty members	-
4	Traffic Engineering lab to be introduced	Expert members of the committee strongly recommended to introduce Traffic Engineering Lab instead of Concrete Technology Lab	HOD and Faculty members	-

Prepared by... *[Signature]* ...Date... 15.11.14...

Approved by... *[Signature]* ...Date... 15/11/14...

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MINUTES OF THE MEETING

Name of the meeting: Programme Advisory Committee meeting (M Tech Environmental Engineering)

Date of the meeting: 15.11.2014

Time: 2.15 pm

Duration: 1.30 hours

Venue: Environmental Lab of Civil I Engineering Dept.

Points to be discussed:

1. Teaching learning related activities related to M Tech Environmental Engineering

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1	Internship for students	Committee members insisted faculty members to encourage students to undergo internship in higher learning institutions and industry	HOD and Faculty members	-
2	Student membership	Committee members insisted to encourage students to become members of ECI and IE (Students Chapters)	HOD and Faculty members	-
3	Courses to be introduced to address waste management for revenue generation	Experts of the committee recommended to introduce the elective courses to address the recycling waste process, safety issues and management of waste	HOD and Faculty members	-
4	Industrial Visits and Conferences	Committee members suggested to have atleast one industrial visit per semester and two conference paper publication mandatory requirement for completion of the degree	HOD and Faculty members	-

Prepared by..... Date 15/11/14

Approved by..... Date 15/11/14

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### MINUTES OF THE MEETING

Name of the meeting: Board of Studies meeting of Department of Civil Engineering  
Date of the meeting: 15.11.2014  
Time: 10.00 am  
Duration: 2 hours  
Venue: Conference Hall of Civil Engineering Dept.

Points to be discussed:

1. PEO's & CO's are discussed for M.E Structural Engineering Programme
2. Scrutinize and passing of the syllabi for core & Electives subjects M.E Structural Engineering Programme.

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1.	<ol style="list-style-type: none"><li>1. Review of First semester M.E syllabus</li><li>2. Correct all the formatting errors.</li><li>3. Update Latest version of national &amp; International codes.</li></ol>	Suggestions of the BOS meeting will be incorporated	Prof.V.Muruganandam Dr. K.Sudalaimani Dr.S.Arul Mary	20.11.2014
2.	<p><b>14SEC210-STRUCTURAL DYNAMICS</b></p> <ol style="list-style-type: none"><li>1. Under perquisite<ol style="list-style-type: none"><li>a) " knowledge of basic science" has to be changed to " knowledge of basic physics and mechanics"</li></ol></li><li>2. Under syllabus<ol style="list-style-type: none"><li>a) "Introduction of Modal analysis" to be changed to " Introduction to Modal analysis"</li><li>b) "Vibration Analyse in sub structure" to be changed to "Vibration Analysis in sub structure"</li></ol></li></ol>	Suggestions of the BOS meeting will be incorporated.	Prof.V.Muruganandam Dr.B.Sivagurunathan. Prof.R.Sankaranarayanan	20.11.2014

3.	<p><b>14SEC220-FINITE ELEMENT METHOD IN STRUCTURAL ENGINEERING</b></p> <p>1. Under syllabus</p> <p>a) "Introduction to space trusses "should be included.</p> <p>b) "Axisymmetric formulations" to be included after "Two dimensional Formulations"</p> <p>c) Identification of critical members- modeling with respect to boundary conditions to be included in "Practice session "</p>	Suggestions of the BOS meeting will be incorporated	<p>Prof.V.Muruganandam Dr.B.Sivagurunathan. Prof.R.Sankaranarayanan</p>	20.11.2014
4.	<p><b>14SEC310-DESIGN OF STEEL CONCRETE COMPOSITE STRUCTURES</b></p> <p>1. Years of publishing of codes has to be checked and changed for both IS and EURO codes.</p> <p>2. Title of codes has to be removed from syllabus and they has to be included under references.</p> <p>3. Skew beams and slabs should be included in syllabus.</p>	Suggestions of the BOS meeting will be incorporated	<p>Dr.S.Arul Mary Prof.G.Celine Reena. Prof.M.Vigneshwari</p>	20.11.2014
5.	<p><b>14SEE010-BRIDGE ENGINEERING</b></p> <p>Under reference books.</p> <p>1. Recent edition of book "Bridge Engineering" by S.Ponnusamy has to be included instead of 2<sup>nd</sup> edition.</p> <p>2. Under List of national and international standards</p> <p>a) IRC-21-2000 has to be changed with IRC 112.</p>	Suggestions of the BOS meeting will be incorporated	<p>Dr. K.Sudalaimani Dr. M.C.Sundarraja Prof.M.Muthuramalingam</p>	20.11.2014

6.	<b>14SEE020-COMPUTATIONAL METHODS IN STRUCTURAL ANALYSIS</b>  1. Under syllabus a) Matrix displacement method has to be removed. b) Word "problem solving" should be removed.	Suggestions of the BOS meeting will be incorporated	Dr. K.Sudalaimani Dr. M.C.Sundarraja Prof.M.Muthuramalingam	20.11.2014
7.	<b>14SEE030-CONCRETE MECHANICS</b>  1. Under syllabus a) Ultra high strength concrete has to be included.	Suggestions of the BOS meeting will be incorporated	Dr. K.Sudalaimani Dr. M.C.Sundarraja Prof.M.Muthuramalingam	20.11.2014
8.	<b>14SEE040-DURABILITY OF CONCRETE STRUCTURES</b>  1. Under syllabus a) Durability tests such as RCPT, shrinkage, Heat of Hydration etc.. has to be included. b) Rehabilitation of concrete structures has to be dealt in general rather in depth. 2. Under Reference books a) "P.Kumar Mehta and Paulo.J.M.Monteiro; "concrete micro structure properties and materials", Mc Graw hill Education (India) private Limited, NewDelhi, 2013" has to be included.	Suggestions of the BOS meeting will be incorporated	Dr. K.Sudalaimani Dr. M.C.Sundarraja Prof.M.Muthuramalingam	20.11.2014
9.	<b>14SEE050-ENGINEERING FRACTURE MECHANICS</b>  1. Subject title has to be changed to "Fracture Mechanics"	Suggestions of the BOS meeting will be incorporated	Prof.V.Muruganandam Dr.B.Sivagurunathan. Prof.R.Sankaranarayanan	20.11.2014

10.	<b>14SEE070-FORENSIC ENGINEERING AND REHABILITATION OF STRUCTURES</b>  1. Under syllabus a) Latest equipments for NDT should be included. 2. Under list of national and international standards a) EURO code has to be included.	Suggestions of the BOS meeting will be incorporated	Dr. K.Sudalaimani Dr. M.C.Sundarraja Prof.M.Muthuramalingam	20.11.2014
11.	<b>14SEE090-STRUCTURAL STEEL DESIGN</b>  1. Under syllabus a) "Analysis and design of towers and masts instead of "Design of towers- Analysis of masts- Design of masts". b) "Column bases needs to be removed and to be incorporated in UG syllabus. 2. Under list of national and international standards a) IS 801, IS 811 has to be included.	Suggestions of the BOS meeting will be incorporated	Dr.S.Arul Mary Prof.G.Celine Reena. Prof.M.Vigneshwari	20.11.2014
12.	<b>14SEE110-ASEISMIC DESIGN OF STRUCTURES</b>  1. Under syllabus a) Push over analysis for concrete has to be included.	Suggestions of the BOS meeting will be incorporated	Dr.S.Arul Mary Prof.G.Celine Reena. Prof.M.Vigneshwari	20.11.2014
13.	<b>14SEE130-INDUSTRIAL STRUCTURES</b>  1. Under syllabus a) Moment resistant connections need to be removed and to be incorporated in "structural steel design" Syllabi.	Suggestions of the BOS meeting will be incorporated	Dr.S.Arul Mary Prof.G.Celine Reena. Prof.M.Vigneshwari	20.11.2014
14.	<b>14SEE140-SHELLS AND SPATIAL STRUCTURES</b>  1. Topic has to be changed to "Design of Shell structures" or shell structures. 2. Under syllabus a) Tubular structures to be included.	Suggestions of the BOS meeting will be incorporated	Prof.V.Muruganandam Dr.B.Sivagurunathan. Prof.R.Sankaranarayanan	20.11.2014



14SEE150-SOIL-STRUCTURE INTERACTION				
15.	1. Under syllabus a) Fundamental of diaphragm wall to be included. b) "Determination of lateral earth pressure using "has to be added in form of "analytical /graphical computation from Mohr Columb envelope".	Suggestions of the BOS meeting will be incorporated	Prof.R.Sanjay Kumar	20.11.2014

Prepared by *J. V.* Date... 15.11.14..

Approved by *Sanjay Kumar* Date... 15.11.14..



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Name of the meeting: Department meeting

Date of the meeting: 09.07.2014

Time: 2.30am

Duration: 2.5 hours

Venue: Conference Hall of Civil I Engineering Dept

Points to be discussed:

1. SWOT Analysis for Civil Engineering Department to frame vision and mission
2. Formulation and Constitution of DAC, PAC, PPAC
3. Discussion on role and responsibilities of the committee

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1	SWOT analysis	Brain Storming activity among department faculty members for identification of strength, weakness, opportunities and threats of the department The vision and mission statement of the department was discussed	HOD and Faculty members	-
			HOD and Faculty members	-
2	Formulation of Department and Programme committee	External members and internal faculty members were identified for Department Advisory Committee (DAC), Programme Advisory Committee (PAC), Programme Performance Assessment Committee (PPAC) for UG and PG programmes in the department.	HOD and Faculty members	-

Prepared by *D. Srinivas* Date *9/7/14*

Approved by *A. Srinivas* Date *09/07/14*



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### MINUTES OF THE MEETING

Name of the meeting: Board of Studies meeting of Department of Civil Engineering  
Date of the meeting: 15.11.2014

Time: 11.45 am

Duration: 4 hours

Venue: Conference Hall of Mechanical Engg. Dept.

Points to be discussed:

1. Scrutinize and passing of Vision and Mission of Civil Department, PEOs and POs of Department of Civil Engg.
2. Scrutinize and passing of the syllabi for M.E Infrastructure Engineering and Management Programme

(M.E Infrastructure Engg & Mgt Programme)

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1.	<b>Under PEO3:</b> Change knowledge of two disciplines to knowledge of multi-disciplines	Suggestions of the BOS meeting will be incorporated	Dr. G.Chitra	21.11.14
2.	<b>First semester courses were reviewed</b>	---	---	---
3.	<b>Environmental Impact and Risk Assessment</b> Intended impact and unintended impact to be included Module 7.6 relevant tree technique- even tree and fault tree techniques to be included	Suggestions of the BOS meeting will be incorporated	Mr. V. Ravisankar	21.11.14
4.	<b>Infrastructure Planning and Management</b> Title to be changed reflecting sectoral planning Include under introduction - definition of infrastructure and types of Infrastructure (Soft and hard). Include planning commission reports, ministry	Suggestions of the BOS meeting will be incorporated	Mr. V. Ravisankar	21.11.14

	documents, mission 2020 reports under reference Total no. of hours to be made as 48			
5.	<b>Sustainable development</b> No change in the content and format	---	---	21.11.14
6.	<b>Urban Planning and Design</b> Change the word urban settlement to urbanization Module 1.2 include hierarchy of settlements Module 2.2 remove JNNURM, structure plan, include city development plan, smart cities, include definition of urban, rural and settlements	Suggestions of the BOS meeting will be incorporated	Ms. D. Srividya & Ms. Sabitha	21.11.14
7.	<b>Contracts and Arbitration</b> Include IBRD, FIDIC, Tamilnadu tendering transparency act, Tamil nadu contract Procedures, online tendering under tender and contract documents Indian contract act and related laws to be included under references Change the Assessment pattern with remember – 20 and Apply - 40	Suggestions of the BOS meeting will be incorporated	Ms. D. Srividya	21.11.14
8.	<b>Construction Planning, Scheduling and Management</b> Title to be changed as Project Management	Suggestions of the BOS meeting will be incorporated	Dr. G. Chitra	21.11.14
9.	<b>Project Formulation and Implementation</b> Under Modules 5.2 and 5.3 include Topic on Premium funding, WTO (export of services), natural person migration	Suggestions of the BOS meeting will be incorporated	Dr. G. Chitra	21.11.14
10.	<b>Financial Management and Accounting</b> Course Title Financial Management and accounting to be changed as Infrastructure Finance and totally revamped with the inputs of NPTEL materials by Dr.Thillai Rajan Case studies on Applications to infrastructure projects to be included	Suggestions of the BOS meeting will be incorporated	Dr. G. Chitra & Mr. R. Sankarnarayanan	21.11.14
11.	<b>Remote sensing &amp; GIS</b> Reorient the contents in Module 5.0	Suggestions of the BOS meeting will be incorporated	Ms. D. Srividya	21.11.14

12.	<b>Disaster Mitigation &amp; Management</b> In Module 8.3 remove 13 <sup>th</sup> Start with capitals in lecture schedule Module 6.4 Screening spelling to be changed	Suggestions of the BOS meeting will be incorporated	Dr. R. Ponnudurai	21.11.14
13.	<b>Management of Human Resources, safety and quality</b> Remove the term construction in all the modules Include topic on motivation and supply chain management Theories of Constraints to be included under quality management	Suggestions of the BOS meeting will be incorporated	Dr. G. Chitra	21.11.14
14.	<b>Organisational Behaviour</b> Include Topic on Communication	Suggestions of the BOS meeting will be incorporated	Dr. G. Chitra	21.11.14
15.	<b>Repair and Rehabilitation of structures</b> Total course to be revamped incorporating infrastructure performance assessment, methods of assessment for bridges, roads, irrigation structures etc.,	Suggestions of the BOS meeting will be incorporated	Dr. G. Chitra	21.11.14

Prepared by... *G. Chitra* ... Date... 15.11.14...

Approved by... *[Signature]* ... Date... 15.11.14...



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### MINUTES OF THE MEETING

Name of the meeting: Board of Studies meeting for M.Tech – Environmental Engineering

Date of the meeting: 15.11.2014

Time: 11.30 am

Duration: 4 hours

Venue: Seminar Hall of EEE Department

Points to be discussed:

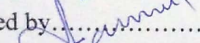
1. Vision and Mission of the Department
2. PEOs and POs of M.Tech – Environmental Engineering Programme
3. Scheduling of courses
4. Courses (Core and Electives) – COs, mapping of COs with POs
5. Scrutinize and passing of the syllabi

Sl. No.	Points discussed	Action plan	Responsibility	Target date
1	<b>Programme outcomes (POs)</b>			
	To be derived from graduate attributes of PG Engineering programme	Programme outcomes will be framed accordingly	Environmental Engg Faculty	20.11.14

2	<b>Scheduling of Courses</b>			
	Transport of water and wastewater course work should be a core subject	Will be brought under core group	Dr. T. Vel Rajan	20.11.14
	Industrial Wastewater management can be offered as a compulsory elective course	Suggestion will be incorporated		20.11.14
	one more laboratory course may be introduced instead of seminar in second semester	Possibilities will be probed	Environmental Engg Faculty	
3	Name of Physico chemical treatment processes and Biological Treatment Processes may be modified to Treatment System	Suggestion will be incorporated	Dr. T. Vel Rajan & Mr. R.K.C. Jey Kumar	20.11.14
4	Adsorption Isotherm, Process Chemistry, Latest Measuring devices are to be included in Environmental Chemistry course	Suggestion will be incorporated	Dr. M. Kottaisamy	20.11.14
5	Environmental Microbiology first two modules needs change as it is not dealing with the fundamentals	Suggestion will be incorporated	Dr. C. Ravi	20.11.14
6	Water quality indices to be included in Physico Chemical treatment processes	Suggestion will be incorporated	Dr. T. Vel Rajan	20.11.14
7	Bioassay studies and toxicity of waste to be removed from Industrial Wastewater Management course work as it is dealt already	Suggestion will be incorporated	Dr. T. Vel Rajan	20.11.14

8	The content of Transport of Water and Wastewater can be divided into 5 modules with computer applications as the fifth module	Suggestion will be incorporated	Dr. T. Vel Rajan	20.11.14
9	Environmental system analysis content should focus more on Environmental Application not in general application	Suggestion will be incorporated	Dr. D.P. Vijayalakshmi	20.11.14
10	Environmental Biotechnology - The content is too elaborate, to be reduced can be elaborated in the lecture schedule	Suggestion will be incorporated	Dr. S. Kaliappan	20.11.14

Prepared by..........Date..15/11/14...

Approved by..........Date..15/11/14...