

# BOARD OF STUDIES

**CURRICULUM STRUCTURE AND SYLLABUS  
B. Tech (Civil Engineering)  
FOR THE ACADEMIC YEAR 2015-16 ADMITTED BATCHES  
&  
M. Tech (Geospatial Technology) PROGRAM FOR THE  
BATCHES ADMITTED IN THE ACADEMIC YEAR 2015 -16**



**DEPARTMENT OF CIVIL ENGINEERING  
K L UNIVERSITY**

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**DEPARTMENT OF CIVIL ENGINEERING**  
**BOARD OF STUDIES MEETING**

**Meeting Particulars**

Type of Meeting	COURSE CURRICULUM/BOS
Department Conducting the meeting	CIVIL ENGINEERING
Number of the Meeting	06
Date of Meeting	04-07-2015
Time of Meeting	09.30 AM
Venue of Meeting	HOD CHAMBER

**List of Members**

Serial Number	Name of the Person	Institution	Department of the Person	Designation of the person	Position of the person in the meeting	Primary Responsibility if any
1	Dr. K. Ramesh	KLU	CIVIL	Professor, HOD & Director – School of Mechanical and Civil Sciences	BOS Chairman	Chair the meeting, Document the proceedings of the meeting and forward the same to Academic Council
2	Dr. D.S.R Murty	Andhra University	CIVIL	Professor	External Academic BOS Member	Review the existing and proposed system and suggest suitable changes for the betterment of the courses
3	Mr. Kalyan Chakravarthy	Ultra Tech Cement Ltd. (Unit: Birla White )	Ultra Tech Cement Ltd. (Unit: Birla White )	Head CASC-South Zone	External Industry BOS Member	Review the existing and proposed system and suggest suitable changes for the betterment of the courses
4	Dr. Ch. Hanumantha Rao	KLU	CIVIL	Professor	BOS Member	Dean, Exams and Evaluation

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5	Dr. C. Ravi Kumar Reddy	KLU	CIVIL	Professor & A/HOD	BOS Member	Structural Engineering research group head
6	Dr. Y. Sreeramulu	KLU	CIVIL	Professor & PG Coordinator	BOS Member	Involved in preparation of Environmental Engineering and M. Tech (Geospatial Technology) syllabus
7	Dr. A. Siva Sankar	KLU	CIVIL	Associate Professor & RPAC Chairman	BOS Member	Involved in preparation of M. Tech (Geospatial Technology) syllabus
8	Dr. K. Raja Sekhar Reddy	KLU	CIVIL	Associate Professor	BOS Member	Environmental Engineering research group head
9	Mr. S. Kanakambara Rao	KLU	CIVIL	Associate Professor	BOS Member	Involved in preparation of syllabus
10	Mr. P. Sundar Kumar	KLU	CIVIL	Associate Professor	BOS Member	Involved in preparation of Water Resources Engineering syllabus
11	Mr. K. Hemanth Raja	KLU	CIVIL	Assistant Professor	BOS Member	Involved in preparation of Transportation Engineering syllabus
12	Mr. K. Shyam Chamberlin	KLU	CIVIL	Assistant Professor	BOS Member	Involved in preparation of Geotechnical Engineering syllabus
13	Mr. B. G. Rahul	KLU	CIVIL	Assistant Professor	Alumni BOS Member	Involved in preparation of syllabus

**RESOLUTION:**

The BOS members resolved to recommend the Curriculum structure and syllabus for Four years of B.Tech Civil Engineering for the year 2015 - 16 admitted students and M.Tech (Geospatial Technology) program for the batches admitted in the academic year 2015 -16 for Academic Council.

1. In the place proposed elective course Green Building in structural Engineering Stream a new course Prefabricated Structures has been introduced.
2. In the place proposed elective course Rock Mechanics in Geotechnical Engineering Stream a new course Geo synthetics and reinforced soil structure has been introduced.
3. In addition to proposed streams a new stream called General Stream with Five Courses viz., Modern Construction Materials, Advanced Concrete technology, Advanced Surveying, Green Buildings, Construction Management
4. The BOS resolved to recommend the curriculum structure and syllabus in B.Tech Civil Engineering for the year 2015 - 16 admitted students and M.Tech (Geospatial Technology) program for the batches admitted in the academic year 2015 -16.
5. The BOS resolved that syllabus for courses from humanities, basic sciences and engineering sciences as reflected in the curriculum structure be approved by respective BOS's and also put up to academic council for ratification.
6. The BOS resolved that all core courses will consist of either a Project based lab/ project outcome through course work adapting case study/capstone model.
7. The Curriculum structure and syllabus for .Tech Civil Engineering for the year 2015 - 16 admitted students and M.Tech (Geospatial Technology) for the A.Y. 2015-16 admitted students is approved and forwarded for the approval of Academic council.
8. Amendments required in 2013-14 and 2014-15 Batches of B.Tech Civil Engineering are recommended, approved and forwarded for the approval of Academic council.

**Amendments required in 2013-14 and 2014-15 Batches of B.Tech Civil Engineering:**

1. 13ES202-Object Oriented Programming, 13ES204-Data Structures and 13ES205-Digital Signal Processing courses need to be changed from Engineering Sciences stream to Open Electives. In the process, the laboratory components for these courses need to be removed and course codes need to be changed from 'ES' to 'OE'.
2. The existing courses, 13CE301-Building Planning and Construction Materials and 13CE302-Engineering Geology and Building Materials have been reorganized as the following courses viz., 13CE208-Building Planning and Construction, 13CE301-

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Construction materials and concrete technology and 13CE302-Engineering Geology and RS&GIS.

3. One additional course 13CE301-Construction materials and concrete technology which has come due to the reorganization of the courses mentioned in the Point 2 and the courses 13CE308-Advanced Structural Analysis and 13CE309-Advanced Design of Reinforced Concrete Structures have been introduced in the place of 13ES202-Object Oriented Programming, 13ES204-Data Structures and 13ES205-Digital Signal Processing.
4. In place of the Professional elective course Advanced Structural Analysis, a new course Advanced Design of Steel Structures has been introduced.
5. The course, 11CE307-Project Estimation and contracts has been renamed as 13CE310-Quantity Surveying and Estimation
6. It is decided to offer open electives (OE-I & OE – II) for batch 2012-16) in the eighth semester for administrative convenience. The students who are going for Practice school are required to complete at faster rate (Within a month) before going to Practice school.

<b>S. No</b>	<b>Name of the member</b>	<b>Position</b>
1	Dr. K. Ramesh	BOS Chairman
2	Dr. D.S.R Murty	External Academic BOS Member
3	Mr. Kalyan Chakravarthy	BOS Member
4	Dr. Ch. Hanumantha Rao	BOS Member
5	Dr. C. Ravi Kumar Reddy	BOS Member
6	Dr. Y. Sreeramulu	BOS Member
7	Dr. A. Siva Sankar	BOS Member
8	Dr. K. Raja Sekhar Reddy	BOS Member
9	Mr. S. Kanakambara Rao	BOS Member
10	Mr. P. Sundar Kumar	BOS Member
11	Mr. K. Hemanth Raja	BOS Member
12	Mr. K. Shyam Chamberlin	BOS Member
13	Mr. B. G. Rahul	Alumni BOS Member