

K L UNIVERSITY
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	2
Date of Meeting	21.04.2012
Time of Meeting	9:30 A.M.
Venue of Meeting	HoD Chamber (Civil)

Agenda of the Meeting:

1. To consider the proposed 2012-13 admitted batch B. Tech Curriculum revision and make recommendations to the Academic Council KLU for approval of the same.
2. Any other points with permission of the Chair.

The following members were present:

S. No	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.Ch. Hanumantha Rao	KLU	CIVIL	Professor & HOD	BOS Chairman	Chair the meeting. Document the proceedings of the meeting and forward the same to Academic Council
2	Dr. D. S. R Murthy	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	Er. S.	Panchayat	Panchayat	Executive	External	Review the

Ch. Hanumantha Rao

	Govardhan Reddy	Raj Department	Raj Department	Engineer	Industry BOS Member	existing and proposed system and suggest suitable changes for the betterment of the courses
4	Mr. G.V.Sudhakar	Soma Enterprise Ltd.	Soma Enterprise Ltd.	General Manager	Alumni BOS Member	Review the existing and proposed system and suggest suitable changes for the betterment of the courses
5	Dr. P. Saha	KLU	CIVIL	Professor	BOS Member	BOS Organizer
6	Mr. S. Kanakambara Rao	KLU	CIVIL	Associate Professor	BOS Member	Structural Engineering Research group head
7	Mr. P. Sundara Kumar	KLU	CIVIL	Associate Professor	BOS Member	Water resources and remote Sensing and GIS Group Head
8	Mr. K. Sundara Kumar	KLU	CIVIL	Associate Professor	BOS Member	Environmental Engineering Research group Head
9	Dr. K. Raja Sekhar Reddy	KLU	CIVIL	Associate Professor	BOS Member	Preparation of Geotechnical Engg. syllabuses
10	Mr. G.V. Ramanjaneyulu	KLU	CIVIL	Associate Professor	BOS Member	Preparation of Structural Engg. syllabuses
11	Dr. Naresh Kumar Sahoo	KLU	CIVIL	Associate Professor	BOS Member	Preparation of Environmental Engg. syllabuses

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12	Dr. A. Siva Sankar	KLU	CIVIL	Associate Professor	BOS Member	Preparation of Geology syllabus
13	Dr. M.J.Ratna Kanth Babu	KLU	CIVIL	Asst. Professor	BOS Member	Preparation of RS & GIS syllabus
14	Mr. Sandeep Kuamr	KLU	CIVIL	Asst. Professor	BOS Member	Preparation of structural Engg. syllabuses
15	Mr. P. Poluraju	KLU	CIVIL	Asst. Professor	BOS Member	Preparation of structural Engg. syllabuses

RESOLUTION

The BOS Committee resolved to recommend the following recommendations to the Academic council for the curriculum structure and syllabus for B. Tech Civil Engineering of 2012-13 admitted students.

1. It is resolved to recommend that a student need to do any four courses offered from a given specialization such as Structural Engineering, Geotechnical Engineering, Environmental Engineering, Water Resources Engineering and Transportation.
2. List of experiments which are having lab components are reviewed and resolved to have project based experiments in identified courses.
3. The BOS Committee reviewed the professional core courses not having lab components and to include either lab or tutorials for such courses where ever possible.
4. The BOS Committee reviewed the mode of conduction of experiments in the laboratory with lab incharges & course coordinators and resolved to recommend that a printed copy of lab manual/soft copy need to be prepared and given to the students.
5. The DAC members reviewed the availability of lab facility for project work and lab based projects and resolved to recommend that lab facility should be made available to the students beyond working hours.

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6. The BOS committee reviewed the availability of lab facility for project work and lab based projects and resolved to recommend that lab facility should be made available to the students beyond working hours.
7. The Curriculum Structure for 2012-13 Admitted batch was approved by all members present in the meeting. The detailed Structure of 2012-13 is shown in Annexure-1.
8. It was resolved to approve all the recommendations/points mentioned in DAC meeting conducted on 8th September 2016, except point no. 3 and point no.1 was partially approved.
9. It was resolved to approve all the recommendations/points mentioned in DAC meeting conducted on 16th February 2012, except point no. 3 and point no.4.

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K L UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING
BOARD OF STUDIES MEETING

List of BOS Members:

S. No	Name	Designation of the Person	Institution	Signature
1	Dr.Ch. Hanumantha Rao	Professor & HOD	KLU	<i>Ch. Hanumantha Rao</i>
2	Dr. D. S. R Murthy	Professor	Andhra University	<i>D. S. R Murthy</i>
3	Er. S. Govardhan Reddy	Executive Engineer	Panchayat Raj Department	<i>S. Govardhan Reddy</i>
4	Mr. G.V. Sudhakar	General Manager	Soma Enterprise Ltd.	<i>G. V. Sudhakar</i>
5	Dr. P. Saha	Professor	KLU	<i>P. Saha</i>
6	Mr. S. Kanakambara Rao	Associate Professor	KLU	<i>S. Kanakambara Rao</i>
7	Mr. P. Sundara Kumar	Associate Professor	KLU	<i>P. Sundara Kumar</i>
8	Mr. K. Sundara Kumar	Associate Professor	KLU	<i>K. Sundara Kumar</i>
9	Dr. K. Raja Sekhar Reddy	Associate Professor	KLU	<i>K. Raja Sekhar Reddy</i>
10	Mr. G.V. Ramanjaneyulu	Associate Professor	KLU	<i>G. V. Ramanjaneyulu</i>
11	Dr. Naresh Kumar Sahoo	Associate Professor	KLU	<i>Naresh Kumar Sahoo</i>
12	Dr. A. Siva Sankar	Associate Professor	KLU	<i>A. Siva Sankar</i>
13	Dr. M.J.Ratna Kanth Babu	Asst. Professor	KLU	<i>M. J. Ratna Kanth Babu</i>
14	Mr. Sandeep Kuamr	Asst. Professor	KLU	<i>K. Sandeep</i>
15	Mr. P. Poluraju	Asst. Professor	KLU	<i>P. Poluraju</i>

ANNEXURE-I

K L UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING
MAPPING OF Courses & Cos vs. POs (Undergraduate)-2012-2013 Admitted Batch

Course Code	Course Title	CO NO	Description of the Course Outcome	a	b	c	d	e	f	g	h	i	j	k	Course Type	Rationale/Objective
11HS101	ENGLISH	CO1	Kinesics To enable the students with the study of body language as it is an essential component of soft skills	1											Retained	To bring about a consistent accent and intelligibility in students' pronunciation of English by providing an opportunity for practice in speaking
		CO2	Lexis Vocabulary building	1												
		CO3	English usage and mechanics Grammar and verbal reasoning				2									
		CO4	Office communication to improve learning skills				2									
11HS102	LANGUAGE AND REASONING SKILLS	CO1	Understand the method of identifying the meaning of words and apply them in contexts						2						Retained	To train students to use language appropriately for public speaking, group discussions and interviews
		CO2	Understand and analyze different cultures and the importance of empathy in cross-cultural communication						2							
		CO3	Understand and analyze seven techniques of reading and improve reading speed							2						
		CO4	Understand and apply writing strategies in office formal communication							2						
11BS105	ECOLOGY AND ENVIRONMENT	CO1	Understand the importance of Environmental education and conservation of natural resources								1				Retained	To understand the relation between biotic and abiotic components of the environment, impact of human activities on the environment and possible remedial measures to restore the environment.
		CO2	Understand the importance of ecosystems and biodiversity									1				
		CO3	Understand the knowledge on solid waste management										1			
		CO4	Understand the knowledge on disaster management and IIA process										1			
		CO1	Realize and understand the basic separation, harmony in the human being													
		CO2	Grasp the meaning to fill the news, separator of human beings													
		CO3	Measure the professor and his role in the classroom													
		CO4	Understand the importance of the environment													
		CO5	Understand the importance of the environment													
		CO6	Understand the importance of the environment													
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		CO99	Understand the importance of the environment													
		CO100	Understand the importance of the environment													

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11- ANALYSIS		1		2		
11- CE204	HYDRAULICS AND HYDRAULIC MACHINES	CO2	Analyse intermediate tapered cantilever and fixed beams	1	2	
		CO3	Analyse indeterminate continuous beams and portal frames	1	2	
		CO4	Analyse Continuous Beams and portal frames by moment distribution method	1	2	
		CO1	Design open channels for most economical sections like rectangular, trapezoidal and circular sections	2	2	
		CO2	Understand Gradually Varied flow and Rapidly Varied Flow through the channels and its applications	2	3	
		CO3	Understand the mechanics of impact of jet on various types of vanes and components, function and also design of Pelton Turbine	2	2	
		CO4	Design of Reaction Turbines and pumps	2	2	
		CO5	Demonstrate and calculate the dimensions of channels and hydraulics machines			3
		CO1	Analyse the physical and engineering properties of soils, and classification of soil and Analyze the compaction requirement in the field, and field compaction control	2		
		CO2	Analyse the effective stress variation and seepage by conducting the appropriate laboratory or field tests	2	2	
11CE206	SOIL MECHANICS	CO3	Analyse the stresses in the soil due to super structure loads, and settlements due to these loads	2	2	
		CO4	Analyse shear strength of soil and analyze and interpret the laboratory and field tests required for any geotechnical investigation	2	2	
		CO5	Analyse and interpret the physical and engineering properties of soil by performing the required laboratory tests for any geotechnical investigation	2	2	
		CO1	Understand various aspects related to water supply process and design of water treatment system	2		
		CO2	Design and laying of distribution system and understand the basics of air Pollution		2	
11- CE207	ENVIRONMENTAL ENGINEERING	CO3	Assess sewage quantity and design of sewerage system	2		
		CO4	Design of sewage treatment process and understand basics of noise pollution and solid wastes		2	
		CO5	Test the water & wastewater, design of water, wastewater treatment plant & distribution system	2	2	
		CO1	Understand the types of buildings and Applying building by-laws for planning of buildings			2
		CO2	Understand the various Basic concepts and systems involved in water supply and waste water treatment			
11CE208	BUILDING PLANNING AND					

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Remarks

Can do geotechnical field investigation and can prepare field reports and thoroughly understand different geotechnical investigation methodologies and can handle individually.

11CE304	FOUNDATION ENGINEERING	C01	Can compute stress distribution using different techniques and can carry settlement analysis in different soil types	2	2	2	2	2	To Apply knowledge of soil mechanics in geotechnical investigation to assess the behaviour of Ground to load and stability of slopes	
		C02	Compute bearing capacity of shallow and deep foundations in laboratory and field using different methods	2	2	2	2	2		
		C03	Can analyze stability of slopes for finite and infinite in different soil conditions and methods, carry earth pressure analysis and can design retaining walls	2	2	2	2	2		
		C04	Design singly reinforcement beam using LSD	2	2	2	2	2		Retained
		C05	Design concepts of shear, development length and torsion for beams	2	2	2	2	2		
11CE305	DESIGN OF REINFORCED CONCRETE STRUCTURES	C01	Design reinforced concrete slabs and columns	2	2	2	2	2	To become familiar with basic design concepts of various Concrete structural elements	
		C02	Design isolated footings and stair cases	2	2	2	2	2		
		C03	Design and Detailing of structural elements (Beams, columns, Slabs, footings and staircases) using software tool in limit state method	2	2	2	2	2		3
		C04	Analyze and design bolted and welded connections	2	2	2	2	2		Retained
		C05	Design single and compound beams as per IS code	2	2	2	2	2		
11CE306	DESIGN OF STEEL STRUCTURES	C01	Design simple and built-up columns as per IS code	2	2	2	2	2	To become familiar with basic design concepts of various Steel structural elements	
		C02	Design column base systems as per IS code. Calculate wind forces and design roof trusses.	2	2	2	2	2		
		C03	Estimation of Precipitation, Surface and Sub surface runoff using various techniques	2	2	2	2	2		Retained
		C04	Estimation of Irrigation and ground water requirement for suggest Irrigation methods based on crops.	2	2	2	2	2	To understand the elements of Hydrologic cycle. Requirement of water for irrigation and analyze various elements of irrigation structures	
11CE307	WATER RESOURCES ENGINEERING	C01	Analyze the Irrigation channels and Reservoir Planning	2	2	2	2	2		
		C02	Analyze stability of Earth and Gravity Dams	2	2	2	2	2		Retained
11TP401	TERM PAPER								To become Familiarize with collection of Published papers, Articles and Reports, understanding the format of standard publications and how to prepare a research publication	Retained
11PS401	PRACTICE SCHOOL								To gain hands on experience in an ongoing construction project and work with a interdisciplinary team	Retained
11CE308	ADVANCED STRUCTURAL	C01	analyze the determinate structures for various loads and load combinations	2	2	2	2	2	To become familiar with analysis of Structural elements in civil engineering using advanced	Retained

Analyze an Earthquake Resistant Structure 2-
storey structure based upon the following levels
onto the structure because of the seismic
condition

			2	2	2	Retained	
11CES34	PRESTRESSED CONCRETE	C01	Understand the concepts of prestressed concrete and analyze the prestressed concrete beams	2	2	2	To become familiar with basic concepts, analysis, design and execution methods involved in Prestressed concrete structures
		C02	Analyze losses in prestressed concrete and deflection of the prestressed concrete members	2	2	2	
		C03	Design reinforcement for Ultimate shear, torsion and bending of prestressed concrete members	2	2	2	
		C04	Design and blocks as per IS 1143 recommendations.	2	2	2	
11CES35	BRIDGE ENGINEERING	C01	Introduction to different types of bridges and codal provisions for designing the bridge components	2	2	2	Retained
		C02	Analysis and Design of slab Culvert	2	2	2	To become familiar with basic concepts, analysis and design involved in Designing of Bridges
		C03	components and bearings	2	2	2	
		C04	Understanding the designing of cable supported bridges	2	2	2	
11CES41	GROUND IMPROVEMENT TECHNIQUES	C01	Able to apply different Stabilization Techniques for the ground improvement	2	2	2	
		C02	Able to apply different dewatering techniques for the drainage in clays	2	2	2	To know the different Stabilization Techniques available for the ground improvement
		C03	Able to apply different grouting techniques and use various geosynthetics for ground improvement	2	2	2	
		C04	Able to analyze the stability of earth reinforced wall	2	2	2	
11CES42	ADVANCED FOUNDATION ENGINEERING	C01	Design of foundation in swelling soils	2	2	2	Retained
		C02	Design of spread footings and factors	2	2	2	To Apply knowledge of soil mechanics in Geotechnical investigation to assess the behaviour of Ground to load and Design of Footings
		C03	Design of rectangular, trapezoidal, and strap footings	2	2	2	
		C04	Design and Analyze of Mat foundations and machine foundations	2	2	2	
11-CES43	GEOTECHNICAL EARTHQUAKE ENGINEERING	C01	Analyze the seismic hazards and Study of Seismology.	3	3	3	Retained
		C02	Study of soil properties and ground motion generation	3	3	3	To become familiar with understanding of ground motion due to seismic waves, seismic hazards and soil structure interaction
		C03	Study of Ground response analysis and local site effect parameters	3	3	3	
		C04	Study of soil improvement remediation of Seismic hazards and liquefaction property	3	3	3	
11-CES44	DESIGN OF EARTH RETAINING STRUCTURES	C01	Analyze and design of Retaining walls	2	2	2	Retained
		C02	Analyze and design of Sheet Pile Structures	2	2	2	To understand the basic concepts involved in designing of Earth Retaining Structures
		C03	Analyze the Braced cuts and applications of Soil Reinforcement	2	2	2	
		C04	Analyze the Cofferdams	2	2	2	

Signature

To understand the various forms of available energy and impact of usage of energy on the society and environment

Retained

To understand the various forms of available energy and energy related aspects

Code	Course Title	Unit	1	2	3	4	5	6	7	8	9	10	11	12
11AC261	ENERGY AND SOCIETY	C02												
		C03												
		C04												
		C01												
11AC301	ADVANCED EMPLOYABILITY SKILLS	C01												
		C02												
		C03												
		C04												
11OE408	IPR & PATENT LAWS	C01												
		C02												
		C03												
		C04												
11OE309	REMOTE SENSING AND GIS	C01												
		C02												
		C03												
		C04												
11OE414	DISASTER MANAGEMENT	C01												
		C02												
		C03												
		C04												
11OE426	RENEWABLE ENERGY RESOURCES	C01												
		C02												

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PROGRAMMING

PROGRAMMING		Learning Objectives		Assessment		Retention	
110E431	RADAR SYSTEMS	CO2	Develop shell scripts for solving logical problems				2
		CO3	Analyze the file System, Processes and Signals			2	
		CO4	Develop programs using various IPC mechanisms				2
		CO1	Understand the essential principles of operation and design of simple radar systems and the associated signal processing at block diagram level			1	
110E432	OPTICAL ENGINEERING	CO2	Apply the mathematical models relevant to radar systems to calculate system performance and apply the principles of tracking Radars			2	
		CO3	Understand essential elements of Transmitters, Receivers and design of simple Radar Receiver			1	
		CO4	Understand the concepts of different elements that protect the Radar Receives and Principles of various Synthetic Aperture Radars		1		
		CO1	Understand the basics of Light signals and different types of Optical Engineering methodologies				1
110E424	MOBILE COMMUNICATIONS	CO2	Analyze the concepts of transmission characteristics of optical fibers and optical transmitters			2	
		CO3	Understand the concepts of optical Detectors, optical Sensors and their applications				1
		CO4	Analyze the concept of optical fiber systems and instruments				2
		CO1	Describe various 2G,3G,4G,5G wireless network models		2		
110E432	DATA WAREHOUSING AND MINING	CO2	Explain three basic propagation mechanisms			2	
		CO3	Discuss wireless system standards services			2	
		CO4	Discuss OFDM wireless communication				2
		CO1	Understand basic concepts of Databases and issues related to Data mining				1
110E445	FUNDAMENTALS OF DATABASE MANAGEMENT SYSTEMS	CO2	Analyze Data Warehouse Architecture and Data Pre-processing techniques				2
		CO3	Analyze Association rules in large data bases, Classification and Prediction techniques				2
		CO4	Analyze Clustering techniques on large data bases				2
110E445	FUNDAMENTALS OF DATABASE MANAGEMENT SYSTEMS	CO1	Understand the fundamentals of database management systems		1		
		CO2	Construct database tables using SQL			2	
		CO3	Analyze various normalization techniques and develop procedures and functions in PL/SQL			2	

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CO4 Evaluate various financial, tax saving schemes such as insurance and mutual funds

CO1	Understand the concepts of marketing factors influencing the consumer behavior, decision making process and strategic areas of 4Ps	1										Retained
11HS209 BASICS OF MARKETING FOR ENGINEERS	CO1	Apply the insight earned about consumer psychology in improving the demand of the product in the market	2									To Understand the concepts of marketing factors influencing the consumer behavior, decision making process
	CO2	Analyze the markets and consumers, the changing environmental factors with special focus on technology products	2									
	CO3	Create an appropriate strategy for the marketing of high tech products and services	3									
	CO4	Understand the various management theories and management approaches	1									
11HS211 ORGANIZATION MANAGEMENT	CO1	Have knowledge in organization structures and organization principles	1									To Understand the various management theories and management approaches
	CO2	Have basic knowledge in motivation, motivation theories and leadership theories, moral and behavioral sciences and also understand the management concept, administration and management objectives	1									
	CO3	Understand the various issues in industrial relations, trade unions and college bargaining	1									
	CO4											

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K L UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING
MINUTES OF DEPARTMENT ACADEMIC COMMITTEE MEETING

Meeting Particulars

Type of Meeting	INTERNAL ACADEMIC DISCUSSIONS
Department conducting the meeting	CIVIL ENGINEERING
Date of the meeting	08-09-11
Time of the meeting	9.30 A.M
Venue of the meeting	HoD Chamber (Civil)

The following members were present:

S.No.	Name	Designation of the person	Position of the person in the meeting
1	Dr. Ch. Hanumantha Rao	Professor & HoD	Chairman
2	Dr. Purna Chandra Saha	Professor	Convener
3	Mr. S. Kanakambara Rao	Associate Professor	Member
4	Mr. P. Sundara Kumar	Associate Professor	Member
5	Dr. A. Siva Sankar	Associate Professor	Member
6	Dr. K. Rajasekhara Reddy	Associate Professor	Member
7	Mr. K. Shyam Chamberlin	Assistant Professor	Member
8	Mr. P. Poluraju	Assistant Professor	Member
9	Mr. N. Lekaz (09100133)	III/IV B. Tech Student	Member
10	Mr. G. Rama Lingeswara Rao (09100185)	III/IV B. Tech Student	Member

Agenda:

1. To discuss the feedbacks received from stake holders on curriculum
2. To propose the curriculum for B. Tech 2012-13 admitting batch
3. Any other points with the permission of the DAC chairman

The following points were discussed and resolved:

1. The DAC members discussed and resolved to recommend the following to forthcoming BOS.

Ch. Hanumantha Rao

- a. To review the syllabus of all professional core and elective courses as per the emerging trends in construction industry.
 - b. To review the professional core courses not having lab components and to include either lab or tutorials for such courses where ever possible.
2. List of experiments which are having lab components are reviewed and resolved to have project based experiments in identified courses. The details of the same in given in Annexure-I.
3. The DAC members have reviewed the list of equipments along with quantity available. The DAC members satisfied that number of equipments available are adequate.
4. Upon considering surveying through the policy documents in relevance to APHC, Human Resource Development Policy, Govt. of India, National Skill Development Corporation, Govt. of India, Confederation of Indian Industries, The Associated Chambers of Commerce of India (Assocham), The National Association of Software and Services Companies (NASSCOM), ABET, NBA norms, AICTE statutory norms and American Society of Civil Engineers (ASCE), it is resolved to propose enclosed Program development documents and curriculum for B.Tech-Civil Engineering Program for 2012-13 for BOS approval (Annexure-I).

Ch. Hanumantha Rao

Dr. Ch. Hanumantha Rao
(Head of the Department)

K L University
Department of Civil Engineering
Department Academic Committee (DAC)

The following members attended the meeting on 8th September 2011 at 9.30 A.M.:

S.No.	Name	Designation of the person	Signature
1	Dr. Ch. Hanumantha Rao	Professor & HoD	<i>Ch. Hanumantha Rao</i>
2	Dr. Purna Chandra Saha	Professor	
3	Mr. S. Kanakambara Rao	Associate Professor	<i>S. Kanakambara Rao</i>
4	Mr. P. Sundara Kumar	Associate Professor	<i>P. Sundara Kumar</i>
5	Dr. A. Siva Sankar	Associate Professor	
6	Dr. K. Rajasekhara Reddy	Associate Professor	<i>K. Rajasekhara Reddy</i>
7	Mr. K. Shyam Chamberlin	Assistant Professor	<i>K. Shyam Chamberlin</i>
8	Mr. P. Poluraju	Assistant Professor	<i>P. Poluraju</i>
9	Mr. N. Lekaz (09100133)	III/IV B. Tech Student	<i>N. Lekaz</i>
10	Mr. G. Rama Lingeswara Rao (09100185)	III/IV B. Tech Student	<i>G. Rama Lingeswara Rao</i>

20/12/12
(2)

K L UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING
MINUTES OF DEPARTMENT ACADEMIC COMMITTEE MEETING

Meeting Particulars

Type of Meeting	INTERNAL ACADEMIC DISCUSSIONS
Department conducting the meeting	CIVIL ENGINEERING
Date of the meeting	16-02-12
Time of the meeting	9.30 A.M
Venue of the meeting	HoD Chamber (Civil)

The following members were present:

S.No.	Name	Designation of the person	Position of the person in the meeting
1	Dr. Ch. Hanumantha Rao	Professor & HoD	Chairman
2	Dr. Purna Chandra Saha	Professor	Convener
3	Mr. S. Kanakambara Rao	Associate Professor	Member
4	Mr. P. Sundara Kumar	Associate Professor	Member
5	Dr. A. Siva Sankar	Associate Professor	Member
6	Dr. K. Rajasekhara Reddy	Associate Professor	Member
7	Mr. K. Shyam Chamberlin	Assistant Professor	Member
8	Mr. P. Poluraju	Assistant Professor	Member
9	Mr. N. Lekaz (09100133)	III/IV B. Tech Student	Member
10	Mr. G. Rama Lingeswara Rao (09100185)	III/IV B. Tech Student	Member

Agenda:

1. To discuss the feedbacks received from stake holders on curriculum
2. To propose the curriculum for B. Tech 2012-13 admitting batch
3. Any other points with the permission of the DAC chairman

Ch. Hanumantha Rao

The following points were discussed and resolved:

1. The DAC members have reviewed the mode of conduction of experiments in the laboratory with lab incharges & course coordinators and resolved to recommend that a printed copy of lab manual/soft copy need to be prepared and given to the students.
2. The DAC members resolved to recommend that a student need to do any four courses offered from a given specialization such as structural engineering, geotechnical engineering, environmental engineering, water resources engineering and transportation and recommend to the BOS.
3. The DAC members have reviewed the mode of evaluation of practice school program and satisfied with existing evaluation system.
4. The DAC members resolved that all core courses will consist of either a project based lab/project outcome through course work adapting case study.
5. The DAC members reviewed the availability of lab facility for project work and lab based projects and resolved to recommend that lab facility should be made available to the students beyond working hours.

Ch. Hanumantha Rao

Dr. Ch. Hanumantha Rao
(Head of the Department)

K L University
Department of Civil Engineering
Department Academic Committee (DAC)

The following members attended the meeting on 16th February 2012 at 9.30 A.M.:

S.No.	Name	Designation of the person	Signature
1	Dr. Ch. Hanumantha Rao	Professor & HoD	<i>Ch. Hanumantha Rao</i>
2	Dr. Purna Chandra Saha	Professor	
3	Mr. S. Kanakambara Rao	Associate Professor	<i>S. Kanakambara Rao</i>
4	Mr. P. Sundara Kumar	Associate Professor	<i>P. Sundara Kumar</i>
5	Dr. A. Siva Sankar	Associate Professor	
6	Dr. K. Rajasekhara Reddy	Associate Professor	<i>K. Rajasekhara Reddy</i>
7	Mr. K. Shyam Chamberlin	Assistant Professor	<i>K. Shyam Chamberlin</i>
8	Mr. P. Poluraju	Assistant Professor	<i>P. Poluraju</i>
9	Mr. N. Lekaz (09100133)	III/IV B. Tech Student	<i>N. Lekaz</i>
10	Mr. G. Rama Lingeswara Rao (09100185)	III/IV B. Tech Student	<i>G. Rama Lingeswara Rao</i>

K I E F					
Department of Civil Engineering					
Department Academic Committee Meeting (08/09/2011 & 16/02/2012)					
Annexure-I: Proposed B.Tech 2012-13 Course Structure					
S.No	Course Name	L-T-P	Cr	Pre-Req.	Remarks
I					
1	English	2-0-2	3	NIL	NIL
2	Engineering Mathematics	03-01-0	4	NIL	NIL
3	Engineering Physics	3-0-2	4	NIL	NIL
4	Engineering Materials	3-0-0	3	NIL	NIL
5	Ecology & Environment	2-0-0	2	NIL	NIL
6	Engineering Graphics with CAD	0-0-4	2	NIL	NIL
7	Energy & Society	3-0-0	3	NIL	NIL
II					
1	Technical Communication Skills	2-0-2	3	NIL	NIL
2	Advanced Engineering Mathematics	3-0-2	4	NIL	NIL
3	Engineering Chemistry	3-0-2	4	NIL	NIL
4	Problem Solving through programming	3-0-2	4	NIL	NIL
5	Measurements	3-0-2	4	NIL	NIL
6	Workshop Practice	0-0-4	2	NIL	NIL
III					
1	Probability & Statistics	03-01-0	4	NIL	NIL
2	Engineering Mechanics	3-0-2	4	NIL	NIL
3	Fluid Mechanics	3-0-2	4	NIL	NIL
4	Engineering Geology	3-0-2	4	NIL	NIL
5	Building Planning and Construction Management	3-0-2	4	NIL	NIL
6	Surveying	3-0-2	4	NIL	NIL
IV					
1	Partial Differential Equations and Numerical Methods	03-01-0	4	NIL	NIL
2	Construction Materials	3-0-2	4	NIL	NIL
3	Mechanics of Materials	3-0-2	4	Engineering Mechanics	NIL
4	Hydraulics & Hydraulic Machines	3-0-2	4	Fluid Mechanics	NIL
5	Soil Mechanics	3-0-2	4	NIL	NIL
6	Environmental Engineering	3-0-2	4	NIL	NIL
7	Management Elective	3-0-0	3	NIL	NIL
V					
1	Structural Analysis	3-0-2	4	Mechanics of Materials	NIL
2	Foundation Engineering	03-01-0	4	Soil Mechanics	NIL
3	Transportation Engineering	3-0-2	4	NIL	NIL
4	Water Resources Engineering	03-01-0	4	NIL	NIL
5	Green Buildings	3-0-0	3	NIL	NIL
6	Ground Improvement Techniques	3-0-0	3	NIL	NIL
7	Air Pollution Control Engineering	3-0-0	3	NIL	NIL
8	Advanced Open Channel Hydraulics	3-0-0	3	NIL	NIL
9	Railway, Airport and Dock & Harbour Engineering	3-0-0	3	NIL	NIL
10	Professional Communication skills (or) management elective	3-0-0	3	NIL	NIL
11	Mini project - 2	0-0-2	1	NIL	NIL

Ch. V.

S.No	Course Name	L-T-P	Cr	Pre-Req.	Remarks
VI					
1	Design of Concrete Structures	3-0-2	3	Structural Analysis	NIL
2	Design of Steel Structures	03-01-0	3	NIL	NIL
3	Project Estimation and Contracts	3-0-2	4	NIL	NIL
4	Basics of Finite Element Method	3-0-0	3	NIL	NIL
5	Advanced Foundation Engineering	3-0-0	3	NIL	NIL
6	Environmental Impact Assessment	3-0-0	3	NIL	NIL
7	Ground Water Hydrology	3-0-0	3	NIL	NIL
8	Earthquake Resistant Design Of Structures	3-0-0	3	NIL	NIL
9	Geotechnical Earthquake Engineering	3-0-0	3	NIL	NIL
10	Solid Waste Management and Landfills	3-0-0	3	NIL	NIL
11	Water Power Engineering	3-0-0	3	NIL	NIL
12	Traffic Engineering	3-0-0	3	NIL	NIL
13	IIS Elective	3-0-0	3	NIL	NIL
	Mini project - 3	0-0-2	1	NIL	NIL
VII					
1	Advanced Design of Structures			Design of Steel Structures	NIL
2	Advanced Structural Analysis			Structural Analysis	NIL
3	Professional Core Elective - 4			NIL	NIL
4	Prestressed Concrete			NIL	NIL
5	Design of Earth Retaining Structures			NIL	NIL
6	Industrial waste water Engineering	0	0	NIL	NIL
7	Watershed Management & Development	3-0-0		NIL	NIL
8	Advanced Pavement Design Engineering	3-0-0		NIL	NIL
9	Bridge Engineering	3-0-0		NIL	NIL
10	Rock Mechanics	3-0-0		NIL	NIL
11	Rural Water Supply & Sanitation	3-0-0		NIL	NIL
12	Design of Hydraulic Structures	3-0-0		NIL	NIL
13	Urban Transportation Systems Planning	3-0-0		NIL	NIL
14	Remote Sensing & GIS	3-0-0		NIL	NIL
15	Environmental pollution Control Methods	3-0-0		NIL	NIL
16	Spatial Data Analysis and Modelling Disaster Management	3-0-0		NIL	NIL
VII VIII					
	Project work	0-0-36		NIL	NIL
	Practice School	0-0-36		NIL	NIL

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Department of Civil Engineering

Department Academic Committee Meeting (08/09/2011 & 16/02/2012)

Annexure-II: Proposed M.Tech 2012-13 Course Structure

Master of Technology in Structural Engineering (SE)

S.No	Course Name	L-T-P	Cr	Pre-Req.	Remarks
1	Applied Mathematics	3-2-0	4	NIL	NIL
2	Theory of Elasticity	3-2-0	4	NIL	NIL
3	Structural Dynamics	3-0-2	4	NIL	NIL
4	Advanced Prestressed Concrete	3-0-2	4	NIL	NIL
5	REPAIR AND REHABILITATION OF STRUCTURES	3-0-0	3	NIL	NIL
6	GEO TECHNICAL EARTH QUAKE ENGINEERING	3-0-0	3	NIL	NIL
7	Seminar	0-0-4	3	NIL	NIL
8	Finite Element Analysis	3-0-2	4	NIL	NIL
9	Bridge Engineering	3-2-0	4	NIL	NIL
10	Earthquake Resistant Design of Structures	3-0-2	4	NIL	NIL
11	Theory of Plates and Shells	3-2-0	4	NIL	NIL
12	INDUSTRIAL STRUCTURES	3-0-0	3	NIL	NIL
13	GREEN BUILDINGS	3-0-0	3	NIL	NIL
14	Term Paper	0-0-4	3	NIL	NIL
15	DISSERTATION	0-0-72	72	NIL	NIL

Chakraborty

K L UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING
MINUTES OF DEPARTMENT ACADEMIC COMMITTEE MEETING

Meeting Particulars

Type of Meeting	INTERNAL ACADEMIC DISCUSSIONS
Department conducting the meeting	CIVIL ENGINEERING
Date of the meeting	11-10-12
Time of the meeting	9.30 A.M
Venue of the meeting	HoD Chamber (Civil)

The following members were present:

S.No.	Name	Designation of the person	Position of the person in the meeting
1	Dr. Ch. Hanumantha Rao	Professor & HoD	Chairman
2	Dr. Purna Chandra Saha	Professor	Convener
3	Mr. S. Kanakambara Rao	Associate Professor	Member
4	Mr. P. Sundara Kumar	Associate Professor	Member
5	Dr. A. Siva Sankar	Associate Professor	Member
6	Dr. K. Rajasekhara Reddy	Associate Professor	Member
7	Mr. K. Shyam Chamberlin	Assistant Professor	Member
8	Mr. P. Poluraju	Assistant Professor	Member
9	Mr. N. Lekaz (09100133)	IV/IV B. Tech Student	Member
10	Mr. G. Rama Lingeswara Rao (09100185)	IV/IV B. Tech Student	Member

Agenda:

1. To discuss the feedbacks received from stake holders on curriculum
2. To propose the curriculum for B. Tech 2013-14 admitting batch
3. Any other points with the permission of the DAC chairman

The following points were discussed and resolved:

1. Upon discussing the feedback from students, the committee resolved to recommend the following to BOS.

Ch. Hanumantha Rao

- a. Syllabus of Fluid Mechanics course is reviewed & revised, and contents removed are presented in Annexure-I.
 - b. List of professional electives are prepared domain wise considering needs of the industry.
2. Upon discussing the feedback from parents, the committee resolved to recommend the following to BOS.
- a. Three new courses viz., Network Theory, Computer Programming and Object Oriented Programming are introduced in the curriculum considering the software industry requirements and same is shown in Annexure-I.
 - b. A new course- Language and Reasoning is introduced in view of improving the opportunities for placements and same presented in Annexure-I.
3. Upon discussing the feedback from Alumini, the committee resolved to recommend the following to BOS.
- a. Two new courses viz., employability skills and advanced employability skills to enhance the interpersonal skills and employability skills and same is presented in Annexure-I.
 - b. Syllabus of all the core courses is reviewed and revised by considering the competitive examinations and admission in to higher education in abroad and list of the courses in which revision took place is given in Annexure-I.
 - c. Three new courses viz., finite element analysis, structural dynamics and fracture mechanics are proposed to introduced in M. Tech Structural Engineering Specialisation and same is given in Annexure-II.
4. Upon considering above mentioned feedbacks and surveying through the policy documents in relevance to APIIC, Human Resource Development Policy, Govt. of India, National Skill Development Corporation, Govt. of India, Confederation of Indian Industries, The Associated Chambers of Commerce of India (Assocham), The National Association of Software and Services Companies (NASSCOM), ABET, NBA norms, AICTE statutory norms and American Society of Civil Engineers (ASCE), it is resolved to propose enclosed Program development documents and curriculum for B.Tech-Civil Engineering Program for 2013-14 for BOS approval (Annexure-1).

Ch. Hanumantha Rao

Dr. Ch. Hanumantha Rao
(Head of the Department)

K L University
Department of Civil Engineering
Department Academic Committee (DAC)

The following members attended the meeting on 11th October 2012 at 9:30 A.M.:

S.No.	Name	Designation of the person	Signature
1	Dr. Ch. Hanumantha Rao	Professor & HoD	<i>Ch. Hanumantha Rao</i>
2	Dr. Purna Chandra Saha	Professor	
3	Mr. S. Kanakambara Rao	Associate Professor	<i>S. Kanakambara Rao</i>
4	Mr. P. Sundara Kumar	Associate Professor	<i>P. Sundara Kumar</i>
5	Dr. A. Siva Sankar	Associate Professor	
6	Dr. K. Rajasekhara Reddy	Associate Professor	<i>K. Rajasekhara Reddy</i>
7	Mr. K. Shyam Chamberlin	Assistant Professor	<i>K. Shyam Chamberlin</i>
8	Mr. P. Poluraju	Assistant Professor	<i>P. Poluraju</i>
9	Mr. N. Lekaz (09100133)	IV/IV B. Tech Student	<i>N. Lekaz</i>
10	Mr. G. Rama Lingeswara Rao (09100185)	IV/IV B. Tech Student	<i>G. Rama Lingeswara Rao</i>