

*School of Civil Engineering*

Course Design Review

Action Taken Report of the University on the  
Feedback of Stakeholders

i. Action Taken Report Approved in Board of Studies dated 19/03/2016 and implemented with effect from 2016-17

Observations/ Recommendations based on feedback	POs impacted	
<p><b>Employers Feedback:</b> According to data collected from the employers, improvement was needed in courses related to Project Management and Finance (PO 11).</p> <p><b>Teachers Feedback (Pre-BoS MoM):</b></p> <ol style="list-style-type: none"> <li>i. The students must be made aware of the global impact of human activities on the environment</li> <li>ii. The students must be made aware of the force methods that are used to analyze the structural component.</li> <li>iii. The students must be aware of recent developments in highway sectors and the cost analysis of the current highway projects.</li> <li>iv. Student must be aware of design of traffic features and intelligent transportation systems.</li> </ol> <p><b>Students Feedback:</b> A lab for construction engineering would help to study the related technology in CEM.</p> <p><b>Alumni Feedback:</b> According to data collected from the alumni, improvement was needed in courses related to Modern Tool Usage (PO 5).</p>	<p>PO 2 PO 5 PO 7 PO 11</p>	
<b>Actions taken</b>	<b>Course Revised/ Added</b>	<b>BoS approved Date</b>
Due to the need for increased awareness of human interference with environment, pollution causes and the need for the sustained efforts for the preservation of environment, emphasis on human activities is introduced as Chapter 1.	Environmental Engineering (15ECVC204)	19/03/2016

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Consistency deformation method and flexibility matrix methods were introduced as 2 new chapters.	Structural Analysis II (15ECVC301)	19/03/2016
Highway Economics is introduced in Transportation Engineering (15ECVC303) to demonstrate the cost-benefit ratio analysis of highway projects to the society.	Transportation Engineering (15ECVC303)	19/03/2016
Traffic features Design and Traffic management system chapters were introduced.	Traffic Engineering (15ECVE302)	19/03/2016
A new laboratory called titled Construction Engineering and Management Lab with access to Primavera P6 software is introduced.	Construction Engineering and Management Lab (15ECVP306)	19/03/2016

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ii. Action Taken Report Approved in Board of Studies dated 1/04/2017 and implemented with effect from 2017-18

<p><b>Observations/ Recommendations based on feedback</b></p> <p><b>Employers Feedback:</b> According to data collected from the employers, improvement was needed in courses related to environment and sustainability (PO 7).</p> <p><b>Teachers Feedback (Pre-BoS MoM):</b></p> <ol style="list-style-type: none"> <li>i. Students have no idea of the various components of a building.</li> <li>ii. The setting out of Co-Go points using Total Station must be implemented.</li> <li>iii. Resource allocation and crashing concepts must be introduced in Advanced Project Management.</li> <li>iv. Open ended problems from a construction site must be simulated at the lab level to bring in practical experience into the classroom.</li> <li>v. Modular construction practice must be introduced in vertical construction methods.</li> <li>vi. Modern tools to solve finite element analysis-based problems must be introduced in the curriculum.</li> </ol> <p><b>Students Feedback:</b> Instruments to measure velocity of water in various water bodies like channels, rivers etc.</p> <p><b>Alumni Feedback:</b> According to data collected from the alumni, improvement was needed in courses related to Ethics (PO 8).</p>	<p><b>POs impacted</b></p> <p>PO 1 PO 9 PO 10 PO 2 PO 7 PO 8 PO 15</p>	
<p><b>Actions taken</b></p> <p>Chapter 1 – Introduction to components of building is introduced in Building Technology and Services.</p>	<p><b>Course Revised/ Added</b></p> <p>Building Technology and Services (15ECVC201)</p>	<p><b>BoS approved Date</b></p> <p>01/04/2017</p>

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Corner points of a building using total station and Civil 3D is introduced in Survey Practice II.	Survey Practice II (15ECVP204)	01/04/2017
Chapter of Resource Allocation and Crashing is introduced in Advanced Project Management.	Advanced Project Management (15ECVC305)	01/04/2017
Higher-level open-ended problems in construction is introduced as a Lab – Construction Simulation Lab.	Construction Simulation Lab (17ECVP301)	01/04/2017
ABAQUS finite element simulation software is introduced in FEM course.	FEM (15ECVE403)	01/04/2017
Current meter is introduced in Fluid Mechanics course.	Fluid Mechanics (15ECVF201)	01/04/2017

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iii. Action Taken Report Approved in Board of Studies dated 7/04/2018 and implemented with effect from 2018-19

Observations/ Recommendations based on feedback		POs impacted
<p><b>Employers Feedback:</b> According to data collected from the employers, improvement was needed in courses related to engineering regulations (PO 6).</p> <p><b>Teachers Feedback (Pre-BoS MoM):</b></p> <ol style="list-style-type: none"> <li>Latest surveying techniques and tools must be introduced in surveying course.</li> <li>The open-ended experiments of Building Engineering Drawing and Survey Practice I must be combined to bring in a holistic approach to problem solving.</li> </ol> <p><b>Students Feedback:</b></p> <ol style="list-style-type: none"> <li>Working stress method is still utilized for quick calculations on site in steel projects.</li> </ol> <p><b>Alumni Feedback:</b> NIL</p>		<p>PO 1</p> <p>PO 5</p> <p>PO 6</p>
<b>Actions taken</b>	<b>Course Revised/ Added</b>	<b>BoS approved Date</b>
Combined open-ended problem in the 2 labs – Building Engineering Drawing and Survey Practice I is introduced.	Survey Practice I (17ECVP201)	7/4/2018
Introduction of Chapter “Introduction to Photogrammetry and Remote Sensing” in Surveying course.	Surveying (15ECVC202)	7/4/2018
In order to sensitize the students about the regulations in quality control, a new chapter Inspection and Quality Control is introduced in Construction Project Management.	Construction Project Management (15ECVC206)	7/4/2018
Introduction to working stress method is introduced in Chapter 1 of Design of Steel Structures.	Design of Steel Structures (15ECVC401)	7/4/2018

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iv. Action Taken Report Approved in Board of Studies dated 13/04/2019 and implemented with effect from 2019-20

Observations/ Recommendations based on feedback		POs impacted
<p><b>Employers Feedback:</b> According to data collected from the employers, improvement was needed in courses related to modern tools usage (PO 5).</p> <p><b>Teachers Feedback (Pre-BoS MoM):</b> -</p> <p><b>Students Feedback:</b> i. Requested to increase the hours of Structural Analysis 1 from 40 to 50 hours as the duration is insufficient for the prescribed content.</p> <p><b>Alumni Feedback:</b> i. According to data collected from the alumni, improvement was needed in courses related to Ethics (PO 8).</p>		PO 5 PO 8
<b>Actions taken</b>	<b>Course Revised/ Added</b>	<b>BoS approved Date</b>
Autodesk Revit will be introduced in Design Studio.	Design Studio (15ECVP401)	13/04/2019

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**MTech. (Structural Engineering)**

**Course Design Review**


**Action Taken Report of the University on the  
Feedback of Stakeholders**



## KLE Technological University, Hubballi

### 1. Action Taken Report Approved in Board of Studies dated 07/04/2018 and implemented with effect from 2018-19

Observations/ Recommendations based on feedback	POs impacted	
<p>Teachers Feedback (Pre-BoS MoM):</p> <ul style="list-style-type: none"> <li>The students must be made aware of fabrication and applications of advance construction material and composite materials.</li> </ul> <p>Alumni Feedback:</p> <ul style="list-style-type: none"> <li>According to data collected from the alumni, improvement was needed in the courses related to Modern Tool Usage (PO 5).</li> </ul>	<p>PO 1 PO 4 PO 5</p>	
Actions taken	Course Revised/ Added	BoS approved Date
<ol style="list-style-type: none"> <li>New course entitled "Advance Material Science" is introduced in 3rd semester students.</li> <li>In the above course, pedagogical assessment for ISA (In Semester Assessment) evaluation is modified by introducing course seminar.</li> </ol>	<p>Advance material science (15ESEC801)</p>	<p>07/04/2018</p>
<ol style="list-style-type: none"> <li>New laboratory titled "Structural Simulation Laboratory" (2 credits) based on ABAQUS software is introduced in the second semester.</li> <li>One day Hands On training on 'ABAQUS' software is introduced.</li> </ol>	<p>Structural simulation Laboratory (18ECEP701)</p>	<p>07/04/2018</p>


  
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## KLE Technological University, Hubballi

### 1. Action Taken Report Approved in Board of Studies dated 13/4/2019 and implemented with effect from 2019-20

Observations/ Recommendations based on feedback	POs impacted	
<p>Teachers Feedback (Pre-BoS MoM):</p> <ul style="list-style-type: none"> <li>All students must possess good mathematical and numerical solving skills to model structural engineering problems.</li> <li>Duration of Internship/Industrial training need to be increased to enhance the learning skills by correlating theoretical knowledge to practical aspects.</li> </ul>	<p>PO 4 PO 5</p>	
Actions taken	Course Revised/ Added	BoS approved Date
1. Numerical methods and programming course, which was elective in the second semester replaced as core subject in the first semester.	Numerical methods and programming (19ESEC701)	13/04/2019
1. Duration of Internship is increased from 45days to 90days and credits modified from 4credits to 7credits in third semester.	Internship (20ESEI801)	13/04/2019

  
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