

No.	Information on Computer application in Civil Engineering	
1.	Unit Name: Computer application in Civil Engineering	
2.	Code: CE- 61019	
3.	Classification: Engineering Subject	
4.	Credit Hour: 3	
5.	Semester and Year Tought:1/6	
6.	Pre- requisite (if any):CE-51024,CE-52024, CE-51014, CE-52014	
7.	Method of Delivery: classwork, assignment& presentation	
8.	Assessment System and Breakdown of Marks	
	Classwork	30%
	Assignment	40%
	Presentation	30%
	Total	100%
9.	Teaching Staff	
10.	<p>Objective of Unit:</p> <p>The main aim of this subject is to understand basic concept and fundamental of RC structures design, to apply the ETABS software, to analysis and design of RC structure</p>	
11.	<p>Learning Outcome of Unit</p> <p>At the end of the unit, a student shall be able to:</p> <ol style="list-style-type: none"> 1. Define the material properties and modeling the skeleton of the building 2. Analyze the structural framing system under the applied load 3. Design the frame members using ACI code 	
12.	<p>Synopsis</p> <p>The main aim of this subject is to understand basic concept and fundamental of RC structures design, to apply the ETABS software, to analysis and design of RC structure</p>	
13.	<p>Step 1. Introduction</p> <p>Introduction to basic concept and fundamental of RC structures design</p> <p>Step 2. Modeling</p> <p>Step 3. Material properties</p>	

	<p>Step 4. Loading</p> <p>Step 5. Analysis</p> <p>Step 6. Design</p>
14.	<p>Main References:</p> <ol style="list-style-type: none">1. ETABS Software2. Structural Analysis by U Nyi Hla Nge