

Web Based Application Development

Course Title: Web Based Application Development					
Course Code: CIT610 06	Student Workload: 11.33Hours/ Weeks	Credits: 4 Credits (6.00 ECTS)	Semester: 3 rd Semester	Frequency: Odd Semester	Duration: 16 Weeks/ Semester (<i>Lecture:</i> 14 weeks; <i>Midterm assessment</i> : 1 week; <i>Final assessment</i> : 1 week)
1	Types of Courses: IT study program specific skills General skills of IT study program Attitude	Contact Hours: <i>Lecturing:</i> 2.50 Hours/ Week; <i>Practical Work:</i> 0.83 Hours/ Week	Independent Study: <i>Self-study:</i> 4.00 Hours/ Week; <i>Strcutured Assignment:</i> 4.00 Hours/ Week	Class Size: 40 Students	
2	Prerequisites for Participation (If Applicable): Basic Programming				
3	Learning Outcomes: 1. M1: Students can understand the basic concepts of dynamic websites(ILO-1) 2. M2: Students can understand and implement server-side scripting(ILO-2) 3. M3: Students can implement programming with databases(ILO-4) 4. M4: Students can understand the concept of Model-View-Controller (MVC)(ILO-1) 5. M5: Students can implement the MVC framework(ILO-4) 6. M6:Students can understand and be able to implement Asynchronous Javascript and XML (AJAX)(ILO-2)				
4	Subject aims/Content: At the end of the course, students are expected: 1. L1: Students can understand the concept of dynamic websites. 2. L2: Students can understand the difference between dynamic and static websites. 3. L3: Students can understand and implement server side scripting to create websites. 4. L4: Students can implement server side scripting to manage files on the server. 5. L5: Students can implement server side scripting to manage data in the database. 6. L6: Students can understand the concept of MVC 7. L7: Students can understand and implement one of the PHP frameworks to create dynamic websites. 8. L8: Students are able to implement AJAX technology to create websites.				
5	Teaching Methods: Lecturing, Group Discussion, Case-Based Learning,Project-Based Learning				
6	Assessment Methods: Essay, multiple-choice,product assessment,project assessment, anecdotal record/logbook				
7	This Course is Used in The Following Study Programme/s as Well: -				
8	Responsibility for Course:				

Other Information:

Bibliography:

1. Castagnetto, Jesus et.al., 1999. Professional PHP Programming Wrox.
2. Heilmann, Christian. 2006. Beginning Javascript with DOM Scripting and Ajax from Novice to Professional. Springer-Verlag. New York, Inc., New York.
3. Jacobi, Jonas and John R Fallows. 2006. Pro JSF and AJAX, Building Rich Internet Components. Springer-Verlag, New York, Inc., New York.
4. Leonardo, Angle. 2010. JSF 2.0 Cookbook. Packt Publishing, Ltd. Birmingham, UK
5. Mercer, Dave. 2010. Beginning PHP5. Wrox Press, Indianapolis, Indiana.