

B.C.A. (5th Semester)

030010512: CC12 Introduction to Server-side Programming

Assessment Policy

Theory Assessment Parameters

Assessment Code	Type	Duration	Number of questions	Marks of each	Weightage in CIE of 40 marks	Remark
A1	Quiz	1 Hour	1	20	7	2 nd week of July
A2	Unit Test	1.5 Hours	3	30	8	1 st week of August
A3	Internal Examination	3 Hours	6	60	18	End of semester
A4	Presentation and Demonstration	30 Minutes	1	30	7	During semester

Practical Assessment Parameters

Assessment Code	Assessment Type	Duration of each	Marks of each	Weightage in CIE of 50 marks	Remark
A5	Unit Test	2 Hour	20	10	During last week of July
A6	Section Test	2.5 Hours	20	15	During 2 nd week of September
A7	Semester End exam	3 Hours	30	20	During last week of October
A8	Project	-	20	5	Project

Assessment Type Classification:

Assessment Code :	A1	Weightage of Content :	Unit	(%)
			1	60%
			2	40%
Assessment Type :	Quiz	Tentative Date :	2 nd week of July	
Kind of Question Format:	Choose the most appropriate answer(s) from the options for questions. [20 questions having 1 mark each of understanding type.]			
To measure :	Knowledge			
Course Outcome :	C01: Develop multithreaded applications and demonstrate the usage of Collection class. C02: Recognized the usage of different system architecture to develop real time application.			
Programme Outcome :	<p>PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.</p> <p>PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.</p> <p>PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill.</p> <p>PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.</p>			

Assessment Code :	A2	Weightage of Content :	Unit	(%)	
			1	25%	
			2	30%	
			3	45%	
Assessment Type :	Unit Test	Tentative Date :	1 st week of August		
Kind of Question Format:	Q. No	Detail	Marks Of Each	Category	Remarks
	Q-1	Answer in brief	2	Understanding	5 out of 6
	Q-2	Practical's/scenario-based questions	5	Analysis	2 out of 3
	Q-3	Answer in detail	5	Remembering	2 out of 3
To measure :	Knowledge and analytic skill				
Course Outcome :	C01: Develop multithreaded applications and demonstrate the usage of Collection class. C02: Recognized the usage of different system architecture to develop real time application. C03: Develop web application using HTTP Request and Response headers.				
Programme Outcome:	<p>PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.</p> <p>PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.</p>				

	<p>P05: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues alongwith strong project development skill.</p> <p>P06: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.</p>
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Assessment Code :	A3	Weightage of Content :	Unit	(%)
			All Unit	100%
Assessment Type :	Internal Examination	Tentative Date :	At the end of semester.	
Kind of Question Format:	<p>Q-1(A): Short answers questions of 1 mark each. (4 questions, marks will be $1 \times 4 = 4$ marks) (B): Short answers questions of 2 marks each. (3 out of 4 questions, marks will be $2 \times 3 = 6$ marks).</p> <p>Q-2 Analytical based answers questions. (2 out of 4 questions, marks will be $5 \times 2 = 10$ marks) Q-3 Descriptive answers questions. (2 out of 3 questions, marks will be $5 \times 2 = 10$).</p> <p>Q-4(A): Short answers questions of 1 mark each. (4 questions, marks will be $1 \times 4 = 4$ marks) (B): Short answers questions of 2 marks each. (3 out of 4 questions, marks will be $2 \times 3 = 6$ marks).</p> <p>Q-5 Analytical based answers questions. (2 out of 4 questions, marks will be $5 \times 2 = 10$ marks) Q-6 Descriptive answers questions. (2 out of 3 questions, marks will be $5 \times 2 = 10$).</p>			
To measure :	Knowledge and analytic skill			
Course Outcome :	<p>C01: Develop multithreaded applications and demonstrate the usage of Collection class. C02: Recognized the usage of different system architecture to develop real time application. C03: Develop web application using HTTP Request and Response headers. C04: Illustrate the usage of database connectivity to access data from various databases. C05: Demonstrate and use session tracking for a web application. C06: Use directives, scripting elements and expression language.</p>			
Programme Outcome:	<p>P01: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.</p> <p>P04: Recognition of the need for and ability towards life-long learning.</p> <p>P05: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues.</p>			

Assessment Code :	A4	Weightage of Content :	Unit	(%)
			All units	100 %
Assessment Type :	Presentation and Demonstration	Tentative Date :	-	
Rules:	<ul style="list-style-type: none"> ➤ Group of at least 3 members shall be framed, each team shall choose any one feature of JSP and Servlet with prior permission of course teacher. ➤ Students need to submit the group detail within 3rd week of semester. ➤ The topic for the presentation should be submitted by the group within 5th week of semester to subject teacher. ➤ Topic shall be verified by the subject teacher and if it doesn't found appropriate then modification must be done by the students and need to submit the topic again. 			

Mr. Pratik Nayak

	<ul style="list-style-type: none"> ➤ Each group shall be given 15 minutes to represent the topic using slides, Audio-video aids and demonstration following by 5 minutes of question answer session. ➤ Before giving presentation the contents must be verified by subject teacher and if contents doesn't found appropriate then modification must be done by the students and need to verified the presentation again. ➤ Evaluation Parameter <ul style="list-style-type: none"> • Topic verification (5 Marks) • Content verification (10 Marks) • Presentation and Demonstration(20 marks) • Question-Answer session(15 marks)
To measure :	Knowledge, Comprehension and analytic skill.
Course Outcome :	<p>CO1: Develop multithreaded applications and demonstrate the usage of Collection class.</p> <p>CO2: Recognized the usage of Single tier, Two tier, Three tier and Multi-tier architecture to develop web application.</p> <p>CO3: Develop web application using HTTP Request and Response headers.</p> <p>CO4: Illustrate the usage of database connectivity to access data from MySQL database.</p> <p>CO5: Demonstrate and use session tracking for a web application.</p> <p>CO6: Use directives, scripting elements and expression language.</p>
Programme Outcome:	<p>PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.</p> <p>PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.</p> <p>PO4: Recognition of the need for and an ability towards life-long learning</p> <p>PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues alongwith strong project development skill.</p> <p>PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development</p> <p>PO7: An ability to communicate effectively with a range of audiences.</p>
Policy for penalty :	If presentation will be delay by maximum 3 days from their presentation date, 5 marks shall be deducted. After 3 days from presentation date, the team shall not be allowed for presentation and will get 0 marks.
Policy for Bonus :	If any team includes more than 2 features then the team is eligible for bonus of 2 marks.
Programme Outcome:	<p>PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues.</p> <p>PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.</p> <p>PO7: Ability to communicate and present knowledge effectively.</p>

Assessment Code :	A8	Weightage of Content :	Unit	(%)
			All Unit	100%
Assessment Type :	Project		During Semester	
Kind of Question Format:	Document and Presentation		[20 Marks]	
To measure :	Knowledge and analytic skill			

Mr. Pratik Nayak

Course Outcome :	CO1: Develop multithreaded applications and demonstrate the usage of Collection class. CO2: Recognized the usage of different system architecture to develop real time application. CO3: Develop web application using HTTP Request and Response headers. CO4: Illustrate the usage of database connectivity to access data from various databases. CO5: Demonstrate and use session tracking for a web application. CO6: Use directives, scripting elements and expression language.
Programme Outcome:	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.
Rules:	<ul style="list-style-type: none"> • Group shall be formed by students (At Least 3 students allows in one group). • Project title is given by the subject teacher. • First students need to understand overall system and also need to identify functionalities. Minimum 10 minutes presentation is allowed followed by Question-Answer session. This will be conducted after completion of 1st month. • Divide students group amongst the lab teachers to maintain the track of the students on daily basis. • Out of 100 marks 50 marks shall be given by lab teachers to the students based on following criteria: <ul style="list-style-type: none"> - Implementation (20 Marks) - Additional features other then syllabus (10 Marks) - Viva (20 Marks) • At the end the students need to give presentation in team with full implementation of project. At the same time students need to submit the spiral document that consist of definition, functionalities and screenshot. • The whole project document shall be certificated by course teacher and only those students will be allowed to seat for external.

Bonus Policy

Students will get 2 marks based on actively participation during contact hours in different activities decided by teacher.

NOTE: If total internal marks will more than 40 including bonus marks then it will only consider 40 marks.

UFM policy:

If two or more submitted practical assignments are too similar for coincidence, a penalty shall be imposed that shall usually be the same for the student who did the original as for the one copying from it.

Any ascertained fact of breaking institute policy shall be associated with one or all of the following: (i) zero marks for the work; (ii) report to the Program Coordinator; (iii) report to the Director.