B.V.Patel Institute of Computer Science, UTU 2019-2020

B.C.A(5th Semester)

030010514: DSE6 Fundamentals of Web Application Development

Assessment Policy

Assessment Types

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of 40 marks	Tentative Date
A1	Quiz	1 Hrs.	1	20	06 X 01 = 06	2nd Week of semester
A2	Unit test	1 Hrs.	2	20	06 X 02 = 12	1st week of July 3rd week of August
A3	EYU	1 Hrs.	2	20	06 X 02 = 12	End of 2nd unit and 4th unit
A4	Internal Examination	3 Hrs.	1	60	10 X 01 =10	End of Semester

Practical Assessment Types

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of 50 marks	Tentative Date
A5	Practical Unit Test	2 Hours	02	20	04x 02=08	Unit Test-1 : 1st week of August Unit Test-2 : Last week of September
A6	Section Test	4 Hours	01	50	12x 01=12	2nd week of October
A7	Semester End Examination	4 Hours	01	50	20x 01=20	End of Semester
A8	Journal/Viva	-	01	10	10x 01=10	End of Semester

Mapping Thinking Order

Assessment Code	Assessment Type	Weightages(%)				
		Remembering	Understanding	Applying	Analysing	Evaluating
A1	Quiz	-	100	-	-	-

Approved
14/06/19

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A2	Unit test-1	33	33	-	34	33
A2	Unit test-2	33	33	-	34	33
A3	EYU-1	20	25	30	25	-
A3	EYU-2	20	25	30	25	-
A4	Internal Examination	33	33	-	34	-
A5	Practical Unit Test	-	20	-	80	-
A6	Section Test	-	20	-	80	-
A7	Semester End Examination	-	20	-	80	-

Assessment Type Classification:

Assessment Code :	A1	**Weightage of Content :**	**Unit** | **(%)** 1 | 80 2 | 20
Assessment Type :	Quiz		
Question Format:	Q-1. Choose the most appropriate answer(s) from the options for given questions. [20 questions having 1 mark each of understanding type.]		
Course Outcome Mapped:	CO1: Determine usage of web application framework. CO2: Create Web pages, handles events and manipulate content. CO3: Build Web applications using state management.		
Programme Outcome Mapped :	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.		

Assessment Code :	A2	**Weightage of Content :**	**Unit** | **(%)** 1 | 20 2 | 30 3 | 50

Assessment Type :	Unit Test -1
Question Format:	Q-1 (A): Answer in brief. Each question of 1 marks and having understanding type. (4 questions, marks will be 01 X 04 = 04 marks) Q-1 (B): Answer in brief. Each question of 2 marks and having understanding type. (3 out of 4 questions, marks will be 02 X 03 = 06 marks) Q-2 Do as directed. Each question of 5 marks and having analysis type. (1 out of 2 questions, marks will be 05 X 01 = 05 marks) Q-3 Answer in detail. Each question of 5 marks and having remembering type. (1 out of 2 questions, marks will be 05 X 01 = 05 marks)
Course Outcome Mapped:	CO1: Determine usage of web application framework. CO2: Create Web pages, handles events and manipulate content. CO3: Build Web applications using state management. CO4: Access data by using built-in SQL Server and generate dynamic reports.
Programme Outcome Mapped :	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

Assessment Code :	A2	**Weightage of Content :**	**Unit**	**(%)**
			1	10
			2	10
			3	20
			4	20
			5	40
Assessment Type :	Unit Test -2			
Question Format:	Q-1 (A): Answer in brief. Each question of 1 marks and having understanding type. (4 questions, marks will be 01 X 04 = 04 marks) Q-1 (B): Answer in brief. Each question of 2 marks and having understanding type. (3 out of 4 questions, marks will be 02 X 03 = 06 marks) Q-2 Do as directed. Each question of 5 marks and having analysis type. (1 out of 2 questions, marks will be 05 X 01 = 05 marks) Q-3 Answer in detail. Each question of 5 marks and having remembering type. (1 out of 2 questions, marks will be 05 X 01 = 05 marks)			

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Course Outcome Mapped:	CO1: Determine usage of web application framework. CO2: Create Web pages, handles events and manipulate content. CO3: Build Web applications using state management. CO4: Access data by using built-in SQL Server and generate dynamic reports.
Programme Outcome Mapped :	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

Assessment Code :	A3	**Weightage of Content :**	**Unit** | **(%)** 2 | 100
Assessment Type :	EYU-1		
Question Format:	Q.1 Do as directed. Each question of 2 marks. (5 questions, marks will be 02x05=10 marks) Q.2 Answer in detail. Each question of 5 marks. (2 questions, marks will be 05x02=10 marks)		
Course Outcome Mapped:	CO1: Determine usage of web application framework. CO2: Create Web pages, handles events and manipulate content. CO4: Access data by using built-in SQL Server and generate dynamic reports. CO5: Conveniently extract and process data using file stream, and also able to develop the application with concept of caching, LINQ and entity framework.		
Programme Outcome Mapped :	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.		

Assessment Code :	A3	**Weightage of Content :**	**Unit** | **(%)** 4 | 100
Assessment Type :	EYU-2		
Question Format:	Q.1 Do as directed. Each question of 2 marks. (5 questions, marks will be 02x05=10 marks) Q.2 Answer in detail. Each question of 5 marks. (2 questions, marks will be 05x02=10 marks)		

Course Outcome Mapped:	CO1: Determine usage of web application framework. CO2: Create Web pages, handles events and manipulate content. CO4: Access data by using built-in SQL Server and generate dynamic reports. CO5: Conveniently extract and process data using file stream, and also able to develop the application with concept of caching, LINQ and entity framework.
Programme Outcome Mapped :	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

Assessment Code :	A4	**Weightage of Content :**	**Unit**	**(%)**
			1	20
			2	15
			3	15
			4	20
			5	15
			6	15
Assessment Type :	Internal Examination			

Question Format:	Q-1 (A) Short answer questions. (4 out of 4)	[01 x 04 = 04]
	(B) Short answer questions. (3 out of 6)	[02 x 03 = 06]
	Q-2 (A) Practical based question.	[01 x 05 = 05]
	OR	
	(A) Practical based question.	[01 x 05 = 05]
	(B) Practical based question.	[01 x 05 = 05]
	OR	
	(B) Practical based question.	[01 x 05 = 05]
	Q-3 Answer the following in detail. (2 out of 3)	[02 x 05 = 10]
	Q-4 (A) Short answer questions. (4 out of 4)	[01 x 04 = 04]
	(B) Short answer questions. (3 out of 6)	[02 x 03 = 06]
	Q-5 (A) Practical based question.	[01 x 05 = 05]
	OR	
	(A) Practical based question.	[01 x 05 = 05]
	(B) Practical based question.	[01 x 05 = 05]
	OR	
	(B) Practical based question.	[01 x 05 = 05]
	Q-6 Answer the following in detail. (2 out of 3)	[02 x 05 = 10]
Course Outcome Mapped:	CO1: Determine usage of web application framework. CO2: Create Web pages, handles events and manipulate content. CO3: Build Web applications using state management and applicable type of options. CO4: Access data by using built-in SQL Server and generate dynamic reports. CO5: Conveniently extract and process data using file stream, and also able to develop the application with concept of caching, LINQ and entity framework.	

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	CO6: Design and develop secure Web application. CO7: Use advanced features like AJAX and jQuery.
Programme Outcome Mapped :	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

Assessment Code :	A5	**Weightage of Content :**	**Unit** / **(%)** 1 / 10 2 / 40 3 / 50
Assessment Type :	Practical Unit Test -1		
Question Format:	Q: 1: Do as directed. [05 marks] Q: 2: Implement a given problem. [15 marks]		
Course Outcome Mapped:	CO1: Determine usage of web application framework. CO2: Create Web pages, handles events and manipulate content. CO3: Build Web applications using state management. CO4: Access data by using built-in SQL Server and generate dynamic reports.		
Programme Outcome Mapped :	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.		

Assessment Code :	A5	**Weightage of Content :**	Unit / (%) 1 to 3 / 20 4 / 60 5 / 20
Assessment Type :	Practical Unit Test -2		
Question Format:	Q: 1: Do as directed. [05 marks] Q: 2: Implement a given problem. [15 marks]		
Course Outcome Mapped:	CO1: Determine usage of web application framework. CO2: Create Web pages, handles events and manipulate content. CO3: Build Web applications using state management. CO4: Access data by using built-in SQL Server and generate dynamic reports. CO5: Conveniently extract and process data using file stream, and also able to develop the application with concept of caching, LINQ and entity framework.		
Programme Outcome Mapped :	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating		

	systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.
Assessment Code :	A6 **Weightage of Content :** Unit: 1 to 6 — (%): 100
Assessment Type :	Section Test
Question Format:	Q: 1: Do as directed. [07 marks] Q: 2: Implement a given problem. [38 marks] Q: 3: Viva [05 marks]
Course Outcome Mapped:	CO1: Determine usage of web application framework. CO2: Create Web pages, handles events and manipulate content. CO3: Build Web applications using state management. CO4: Access data by using built-in SQL Server and generate dynamic reports. CO5: Conveniently extract and process data using file stream, and also able to develop the application with concept of caching, LINQ and entity framework. CO6: Design and develop secure Web application. CO7: Use advanced features like AJAX and jQuery.
Programme Outcome Mapped :	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

Assessment Code :	A7 **Weightage of Content :** Unit: 1 to 6 — (%): 100
Assessment Type :	Semester End Examination
Question Format:	Q: 1: Do as directed. [07 marks] Q: 2: Implement a given problem. [38 marks] Q: 3: Viva [05 marks]
Course Outcome Mapped:	CO1: Determine usage of web application framework. CO2: Create Web pages, handles events and manipulate content. CO3: Build Web applications using state management. CO4: Access data by using built-in SQL Server and generate dynamic reports. CO5: Conveniently extract and process data using file stream, and also able to develop the application with concept of caching, LINQ and entity framework. CO6: Design and develop secure Web application. CO7: Use advanced features like AJAX and jQuery.
Programme Outcome Mapped :	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues.

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	PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

Bonus Policy:

Student shall have 2 marks as bonus in overall theory internal marks, if student appears in all theory CIEs and passes in atleast 4 CIEs with minimum 40% marks in each theory CIE. Grand total of final internal marks does not exceeds 40 marks.

UFM policy:

No make-up work shall be accepted for missed or failed tests. Any ascertained fact of breaking institute policy shall be associated with one or all of the following: (i) zero marks for that CIE parameter occurrence; (ii) Restricted to appear in any further academic assessments of that same course (iii)report to the Program coordinator; (iii) report to the Director; (iv) report to parents.