

WEB TECHNOLOGY LAB (BCA453)
SECTION I

Semester	IV	Class	4BCA-A & B
Course Code	BCA453	Course title	Web Technology Lab
Hours	60	Hours per week	4
Faculty name	BCA A: Dr. Sivakumar R Dr. Beaulah S Prof. Vaidhehi V Dr. Nizar Banu P K BCA B: Dr. Nizar Banu P K Dr. Beaulah S Dr. Niju P Joseph Prof. Nandakumar K G	Contact details	sivakumar.r@christuniversity.in 9047422687 nizar.banu@christuniversity.in 9942073476
Class policies and guidelines	<ul style="list-style-type: none"> ● Dress code is mandatory ● Attendance will be taken within the first 5 minutes. Latecomers will not be entertained for attendance ● Laptop is mandatory for all the sessions ● Sharing of Laptop with classmates is not entertained ● All the information will be communicated through Google Classroom 		
Course Description	This course introduces World Wide Web Consortium W3C standard markup language and services of the Internet. Topics include creating and designing web pages using HTML, CSS and database connectivity to the web page using PHP & MySQL.		
Course Objectives	The objective of this course is to help the students getting started with web programming using HTML, PHP and MySQL		
Course Outcomes	CO1: Understand the features of various web technologies CO2: Develop static webpages using HTML CO3: Develop and Validate webpages using HTML and PHP CO4: Store and retrieve data using PHP and MySQL		

SECTION II

Evaluation Pattern

Category	Component	Description	Marks
Part -1 CIA-100 Marks	CIA	Section A – Theory Specific Assignment (s)	40
		Section B - Programs	20
		Section C - Programs	20
		Section D – Programs	20
Part-2 ESE-100 Marks	Test1	Questions based-on Section A and/or) B	30
	Test2	Questions based-on Section A (and/or) B (and/or) C	30
	Test3	Questions based-on Section A (and/or) B (and/or) C (and/or) D	40
		Total	200

Details of assessment

ASSESSMENT: CIA I (A)

Assessment Component	ASSIGNMENT
Assignment Topic	Explore the following web technologies <ul style="list-style-type: none"> • AJAX • JQUERY • BOOTSTRAP • ANGULAR JS
Nature of the assignment	Individual submission
Submission mode	Softcopy submission via Google Classroom
Deadline for submission	01/12/2018
Page limit	Maximum 8 pages
Maximum marks	10
Assignment Description	Detailed study on all four web technologies including its features and applications
General Instruction	Late submission will not be entertained.

Learning outcomes:

- LO1: Compare and contrast the features of various web technologies
LO2: Understand the applications of different web technologies

Evaluation Rubrics:

Evaluation Rubrics	Max marks	Criteria [Mark]				
R1: Understanding and Applications	2	In-depth knowledge on the topic and on the related concepts [2]	Sufficient understanding on the given topic [1.5]	Summarized the ideas but not shown its relevance [1]	Just copied from sources [0.5]	Not able to explain [0]
R2: Content coverage	4	More relevant discussion and explanation [4]	Attempted with few discussion [3]	Covered the basics [2]	Incomplete and not initiated any discussion [1]	Irrelevant content [0]
R3: Correctness of Specification	2	Detailed and correct specification [2]	Adequate and correct specification [1.5]	Specification given but incomplete [1]	Incorrect and incomplete specification [0.5]	No specifications [0]
R4: Structure & Organization	2	Progression of ideas that build on a central theme with logical coherency [2]	Logical progression of ideas [1.5]	Flow followed but transitions are not clear [1]	Flow is uneven [0.5]	Not able to explain [0]

Mapping the Learning Outcomes with components of the evaluation rubrics:

Learning Outcomes of the assignment	Method of assessment	Evaluation Rubrics
LO1: Compare and contrast the features of various web technologies	✓ Review of the Assignment	R1, R2 & R3
LO2: Understand the applications of different web technologies		R1, R2 & R3

Evaluation Rubrics:

Score	Impression
08-10	Proficient
05-07	Good
01-04	Need to improve

ASSESSMENT: CIA I (B)

Assessment component	Quiz
Portion for the Quiz	Unit 1 & Unit 2
Mode of conduct	Online
Technology tool used	Moodle
Date of exam	10/01/2019
Type of questions	30 MCQ – Each question carries 1 mark
Maximum marks	20
Duration	30 minutes
General Instructions	<ul style="list-style-type: none"> • No Re-test • Test will be conducted in the Lab

Evaluation Rubrics:

Score	Impression
15-20	Proficient
10-14	Good
05-09	Satisfactory
01-04	Need to improve

CIA1 (C)

Assessment component	TEST
Portion for the Quiz	Unit 3
Mode of conduct	Online
Technology tool used	Moodle
Date of exam	08/02/2019
Type of questions	30 MCQ – Each question carries 1 mark
Maximum marks	10
Duration	30 minutes
General Instructions	<ul style="list-style-type: none"> • No Re-test • Test will be conducted in the Lab

Evaluation Rubrics

Score	Impression
08-10	Proficient
05-07	Good
01-04	Need to improve

SECTION III

Assessment outline (In Marks)

Continuous Assessment I (Theory Specific)			Continuous Assessment II (Regular Programs)			Test 1	Test 2	Test 3
A	B	C	A	B	C			
10	20	10	20	20	20	30	30	40

Mapping:

Mapping of the Learning Outcomes of the course against the components of assessment is given below

Components of Assessment							Test 1	Test 2	Test 3
Course Outcomes of the course	Continuous Assessment I (Theory Specific)			Continuous Assessment II (Regular Programs)					
	A	B	C	A	B	C			
CO1	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO2	-	✓	✓	✓	✓	✓	✓	✓	✓
CO3	-	-	-	-	✓	✓	-	✓	✓
CO4	-	-	-	-	-	✓	-	-	✓

For each lab program, marks will be assigned as per the following rubric (maximum marks of 20 for each program)

Content	Score
Time ly submission	4 Marks
Observation	4 Marks
Correctness and Design Format	4 Marks
Complexity and Validation	4 Marks
Viva (Clarity of the concept)	4 Marks

Evaluation rubric for Test 1 (30 Marks)

Content	Score
Planning and Design	5 Marks
Execution	15 Marks
Validation and Formatting	5Marks
Viva (Clarity of the concept)	5 Marks

Evaluation rubric for Test 2 (30 Marks)

Content	Score
Planning and Design	5 Marks
Execution	15 Marks
Validation and Formatting	5 Marks
Viva (Clarity of the concept)	5 Marks

Evaluation rubric for Test 3:

Content	Score
Planning and Design	10 Marks
Execution	20 Marks
Validation and Formatting	5 Marks
Viva (Clarity of the concept)	5 Marks

Schedule

Program Number	Program Name	Week (starting date)	Hours per week
	Introduction to HTML, Creating sample pages	November 12-17 2018	4
P1	Create a HTML page that contains Headers, Linking and Images.	November 19-24 2018	4
P2	Create a HTML page that contains Frames, Unordered Lists, Nested and ordered Lists CIA I (A) (Assignment Submission Due on 1 Dec 2018)	November 27- December 1 2018	4
P3	Create a HTML page that contains Tables and Formatting	December 3-8 2018	4
P4	Create a HTML page that contains Forms, Creating and Using Image Maps, <meta> Tags	December 10-15 2018	4
	Test 1(Questions based-on Section A) (30 Marks)	BCA A – 18 Dec 2018 BCA B - 20 Dec 2018	
P5	Displaying HTML content using PHP	January 2-5 2019	4
P6	FORM processing using PHP	January 7-10 2019	4
	CIA I (B) - Online Quiz	BCA A –23 Jan 2019 BCA B - 21 Jan 2019	
P7	FORM validation using PHP	January 28-31 2019	4

	Test 2 (Questions based-on Section A &B) (30 Marks)	BCA A – 05 Feb 2019 BCA B - 07 Feb 2019	
P8	Storing data in MYSQL using PHP	February 11-16 2019	
P9	Retrieving data from MYSQL using PHP	February 18-23 2019	4
P10	Drill down reports using PHP CIA I (C) Online Quiz	BCA A – 27 Feb 2019 BCA B – 25 Feb 2019	4
	Test 3(Questions based-on Section A, B & C) (30 Marks)	BCA A – 05 Mar 2019 BCA B – 07 Mar 2019	2
	Retest	BCA A – 12 Mar 2019 BCA B – 14 Mar 2019	2