Resolution No: AC/II(23-24).2.RUS6

S. P. Mandali's

Ramnarain Ruia Autonomous College

(Affiliated to University of Mumbai)



Syllabus for

Program: F.Y.B.Sc.

Program Code: RUSCS

(As per the guidelines of National Education Policy 2020-Academic year 2024-25)

(Choice based Credit System)



PROGRAM OUTLINE

B.Sc. Computer Science

Vocational Skill Enhancement Courses

	YEAR	SEM	COURSE	TYPE OF	COURSE TITLE	
			CODE	COURSE		
20	024-25	I	RUSVSCC SP.O101	Practical based on VSE	Practical of Web Fundamentals	2
20	024-25	II	RUSVSCC SP.E111	Practical based on VSE	Practicals of Web Programming	2



SEMESTER I

Course Code: RUSVSCCS.O101 Course Title: Web Fundamentals Type of Course: Vocational Skill Courses Academic year 2024-25

	Academic year 2024-25
COURSE	DESCRIPTION
OUTCOME	A student completing this course will be able to:
CO 1	Design valid, well-formed, scalable, and meaningful pages using emerging technologies.
CO 2	Understand the various platforms, devices, display resolutions, viewports, and browsers that render websites
CO 3	Develop and implement Database Driven Websites.
	Hannahuanu



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SEMESTER II

Course Code: RUSVSCCS.E111 Course Title: Web Programming Type of Course: Vocational Skill Courses Academic year 2024-25

DESCRIPTION
A student completing this course will be able to:
Design valid, well-formed, scalable, and meaningful pages using emerging
technologies.
Understand the various platforms, devices, display resolutions, viewports,
and browsers that render websites
Develop and implement Database Driven Websites.
Hannahuanna



1 2 3	Create a XML file to view the file on browser. Create a XML file with Internal / External DTD and display the data Create a XML file with CSS and display the data	
3	Create a XML file with CSS and display the data	
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4	Write JavaScript code for Mathematical operations	
5	Write JavaScript code for demonstrating different JavaScript objects such as String, RegExp, Math Date	6
6	 Write a javscript program to demonstarte a. Changing the background color of a table data by using mouse over & mouse out b. Changing the background color of a page when selecting data from drop down list 	
7	Write a javscript program to demonstarte a. To change image of bulb as on & off	
8	Write JavaScript code for Validating the various Form Elements	
9	Write programs to display jquery effects using events & selectors a. To a hide a paragraph while clicking on the paragraph b. Hide a paragraph by clicking on the button	
10	a. A page with two buttons with show & hide when clicked on one button it will hide the paragraph & clicked on other will display the paragraph back	
11	Design a webpage with some jQuery effects,animation effects. •fadeIn(), •fadeToggle() •fadeTo() •slideDown() •slideUp() •slideToggle() animate()	
12	Design a webpage with some jQuery animation effects.	
13	Design a webpage to handle asynchronous requests using AJAX on Button click	
14 15	Design a webpage to handle asynchronous requests using AJAX on Mouseover Design a webpage using AJAX & PHP of a particular data	
	6 7 8 9 10 11 11 12 13 14	 such as String, RegExp, Math Date Write a javscript program to demonstarte a. Changing the background color of a table data by using mouse over & mouse out b. Changing the background color of a page when selecting data from drop down list 7 Write a javscript program to demonstarte a. To change image of bulb as on & off b. Implement the string functions explained in class 8 Write JavaScript code for Validating the various Form Elements 9 Write programs to display jquery effects using events & selectors a. To a hide a paragraph while clicking on the paragraph b. Hide a paragraph by clicking on the button 10 Write programs to display jquery effects using events & selectors a. A page with two buttons with show & hide when clicked on one button it will hide the paragraph & clicked on other will display the paragraph back b. Write a program to implement jQuery effects, animation effects. 11 Design a webpage with some jQuery animation effects. 13 Design a webpage to handle asynchronous requests using AJAX on Mouseover



Modality of Assessment

Vocational Skill Enhancement Courses (2 Credit)

A) Total Marks

a. Practical – 50 Marks

B)Practical Examination (Semester End): 50 marks

- a. <u>Practical Internal Assessment (40%) 20 Marks</u>: Students have to acquire at least 40% marks in each paper individually.
- b. Practical Sem End Exam (60%) 30 Marks.

Particulars	Practical
Laboratory work	30
Total	50