St.Joseph's Degree College

Sunkesula Road

Kurnool

Value Added Course

ON

"Web Technology lab work"

Academic Year – 2019-20

<u>Faculty Attended:</u>

Mrs. N.Rajini Kiran Mai

Mrs. D.Tanuja

Mr. M.RaghuKedarnath

Mr. G.P.Babu

Request Letter

To
The Chairman,
Internal Quality Assurance Cell,
St. Joseph's Degree College,
Kurnool.

Respected Madam,

       Sub: - Request for permission to conduct Value Added Course for Final Year
               BCom-D - Section Students – Reg.

<div align="center">***</div>

All the final year BCom-D - Section students have to do project work for the fulfillment of their academic course. So they need practical knowledge in web technology to implement it in their project work.

Keeping this in mind Department of computer science is planning to conduct a Value added course in Web technology lab work. This course will be handled by N.Rajinikiranmai and D.Tanuja. As a part of this course the students will be given insight on developing web pages using advanced concepts.

I request to consider the proposal and permit to conduct the course.
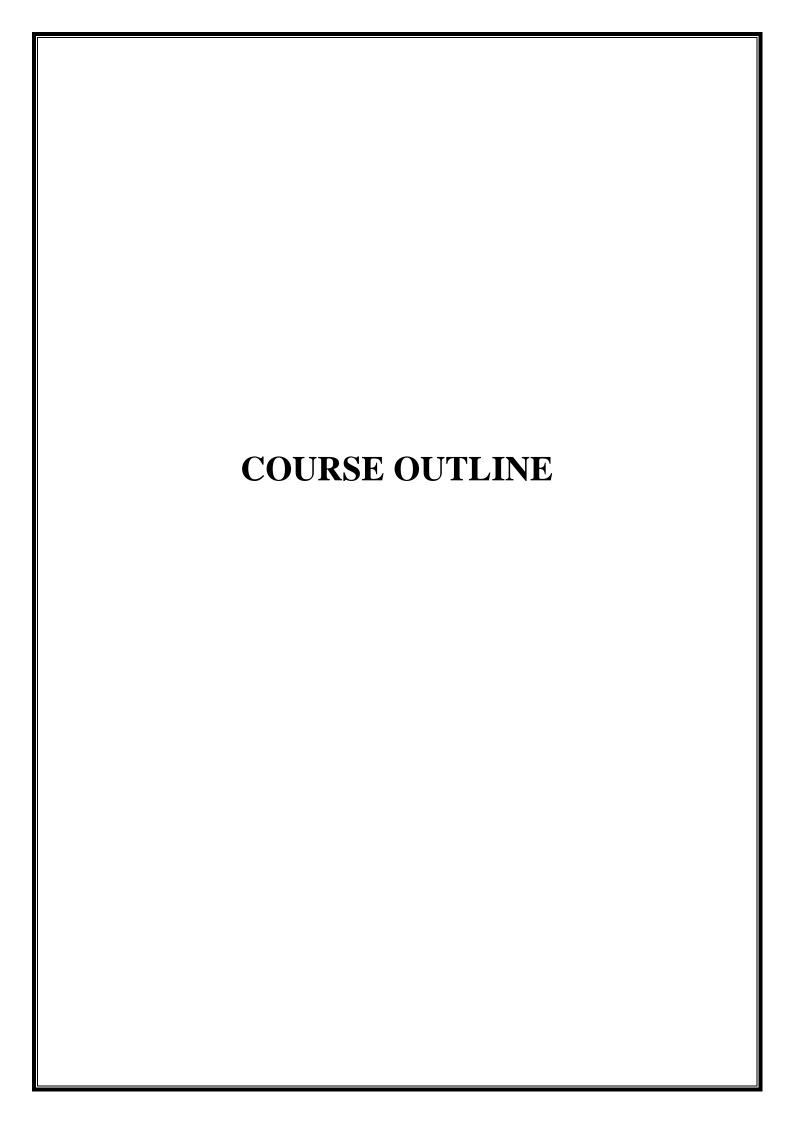
With Regards,

                                    (S Latha Rani)
                                  Head of the Department
                          Department of Computer Science.

Copy to:

1. Copy to Principal
2. Copy to SJQAC Coordinator

COURSE OUTLINE

Instructor:N.Rajinikiranmai, D.Tanuja& Raghu Kedharnath, G.P.Babu

Class Section:III BCom-D& C

Class Time: Every Saturday 12.05 PM to 1.45 PM.

Duration: 30 hours.

E-Mail: sjccomputers@gmail.com.

Start Day: June 22th 2019.

End Day:November 2st 2019.

College web site:www.sjcknl.edu.co.in.

Course Description:

The focus in this course is on the World Wide Web as a platform for interactive applications, content publishing and social services. The development of web-based applications requires knowledge about the underlying technology and the formats and standards the web is based upon. In this course you will learn about the HTTP communication protocol, the markup languages HTML, XHTML and XML, CSS standards for formatting and transforming web content, interactive graphics and multimedia content on the web, client-side programming using Javascript
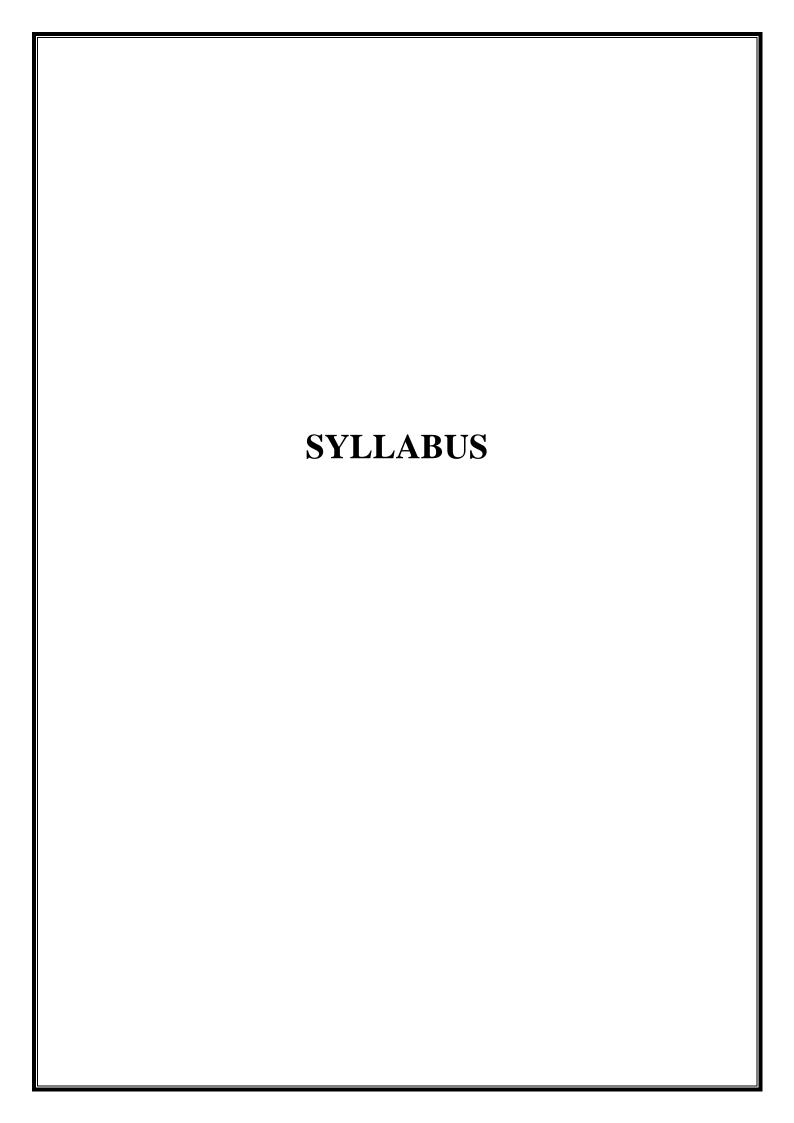
Course Objectives:

To develop web pages- static and dynamic, create and structurally mark-up web pages.

Student Learning Outcome:

Knowledge about:

- History and development of the World Wide Web and associated technologies.

- The client-server architecture of the World Wide Web and its communication protocol HTTP/HTTPS.

- Formats and languages used in modern web-pages: HTML, XHTML, CSS, XML, Javascript, DOM

- Programming web pages with Javascript/DOM (client)

- Good design, universal design, multi platform web applications

SYLLABUS

Web Technology- Syllabus

Unit I: HTML Basic

HTML-HTML &XML Difference-Hyper text-HTML tools-MIME-Helper application &plug-ins-Structure of HTML-head tag-body tag-HTML Colors-Font tag-Comment tag-paragraph tag-heading tag-image tag-Anchor tag-semantic and syntactic tags-list tag-form tag-table tag-frame tag.

Unit II: Cascading Style Sheets.

CSS-HTML & CSS difference-Advantages& disadvantages of CSS-CSS selector-Types of selectors-Types of CSS-CSS layers-CSS positioning.
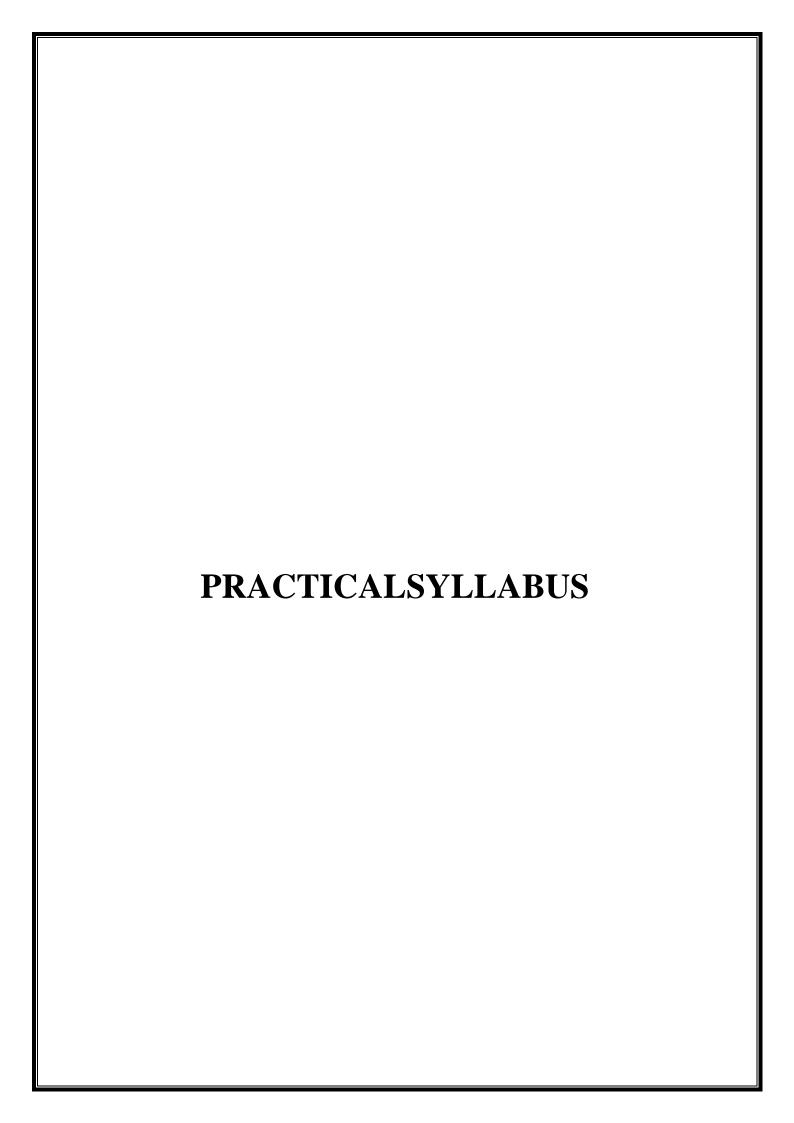
Unit III: Java Script.

DHTML-Advantages& disadvantages of java script-structure of java script-difference between java & java script-variables-data types-string manipulation functions-mathematical functions-if else statements-loop statements-operators-arrays-Object based array function-function.

Unit IV: Objects in Java.

Object-creating object-regular expression-functions used in RegExp- Regular expression functions- Exception handling- Built-in objects- Events and Event handlers.

Unit V: Dynamic HTML with Java Script.

DHTML definition- Data validation-New window opening- Message and confirmation-Status bar- Different frames-Roll over buttons-Moving images-Multiple pages in single download text only-Menu system.

PRACTICALSYLLABUS

SUGGESTED HANDS ON EXERCISES

1.   HTML program using semantic and syntactic tags.

2.   HTML program using different list tags.

3.   Developing college admission form using different elements of form tag.

4.   Develop monthly savings details using table tag.

5.   Develop a home page using frame tag.

6.   HTML program to demonstrate on types of selectors.

7.   HTML program to demonstrate on types of CSS.

8.   HTML program to demonstrate on CSS layers.

9.   Sample java script program.

10.   Demo program on placing Script tag both in head and body section.

11.   Java Script program using different variables.

12.   Java Script program using String manipulation function- charAt().

13.   Java Script program using String manipulation function- concat().

14.   Java Script program using String manipulation function- indexOf().

15.   Java Script program using String manipulation function- length().

16.   Java Script program using String manipulation function- split().

17.   Java Script program using String manipulation function- Substring().

18.   Java Script program using Mathematical functions.

19.   Java Script program using if-else statement.

20.   Java Script program using loop statements.

21.   Java Script program using switch statement.

22.   Java Script program using arrays.

23.   Java Script program using object based array functions.

24.   Java Script program using user defined functions.

25.   Java script program to create an object using new operator.

26.   Java Script program using Regular expression.

27.   Java Script program using functions like match (), replace (), search (), split () in regular expression.

28.   Java Script program using RegExp Object methods.

29.   Java Script program using exception handling

30.   Java Script program using built in objects.

31.   DHTML for data validation.

Attendance sheets of BCom Students

Google Link:

View Attendance

Target Participants:

- ➢ Students of B.Com
- ➢ Total No. of Participants :100

SCHEME OF VALUATION AND PATTERN OF QUESTION PAPER

Task Given: Develop home page of their respective projects

PRACTICAL EXAMINATION				
Time: 2Hrs	Max. Marks: 50		Min. Marks to pass :20	
S.No	Coding	Execution	VIVA	Total Marks
1	20	20	10	50

Gallery