DEPARTMENT OF COMPUTER APPLICATIONS

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

COURSE PLAN – PART I			
Name of the programme and specialization	**MCA, Computer Applications**		
Course Title	**WEB TECHNOLOGY LAB**		
Course Code	**CA709**	**No. of Credits**	**2**
Course Code of Pre-requisite subject(s)			
Session	**July 2019**	**Section (if, applicable)**	**A&B**
Name of Faculty	**Dr. C. Sivaraj**	**Department**	**Computer Applications**
Email	**sivaraj@nitt.edu**	**Telephone No.**	
Name of Course Coordinator(s) (if, applicable)	**Dr. P.J.A.ALPHONSE**		
E-mail	**alphonse@nitt.edu**	**Telephone No.**	**0431-2503742**
Course Type	**Core course**		

COURSE OBJECTIVES

On completion of this course, a student will be familiar with client server architecture and able to develop a web application using web technologies To create fully functional website/web applications.

COURSE OUTCOMES (CO)

Course Outcomes	Aligned Programme Outcomes (PO)
1. Develop client side and server side applications.	**I, II, III**
2. Design and develop enterprise applications	**II, III**
3. Implement the various middleware technologies and use them to develop applications.	**II, III, IV, V**

COURSE PLAN – PART II

COURSE OVERVIEW

This course makes students to understand the practical aspects of Big data management and analytics by implementing applications using MapReduce, Hadoop, Pig, Hive, and Spark.

COURSE TEACHING AND LEARNING ACTIVITIES

S.No.	Week / Contact Hours	Lab Exercises
1	Week 1 &2	Design the e-commerce website (ex. Amazon/flip kart) using HTML5
2	Week 3	Design a versatile Schedule Manager using XHTML
3	Week 4&5	Design a web page for a Multiplex Mall.
4	Week 6	Define XML document for representing time table for the schedule for an internet café. Also, apply CSS and XSL to display the data in suitable forms.
5	Week 7	Consider the details of products stored in an electronic shop with varying attributes for each products using XML. Use methodologies to display the details in various levels.
6	Week 8 & 9	Consider the details of videos stored in a database. Using JSP, access the database and print the details in a tabular form. Also, try the above using ASP.
7	Week 10	Design your personal data (simple level) using PHP – MySQL.

COURSE ASSESSMENT METHODS

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	Lab Exercises Demo & Report	Every Week		25
2	Project	10th week		25
3	Model Test	8th Week	120 Minutes	25
CPA	Compensation Assessment	10th week	120 Minutes	25
4	Final Assessment	-	180 Minutes	25

COURSE EXIT SURVEY

- The students through the class representative may give their feedback at any time to the course coordinator which will be duly addressed.
- The students may give their feedback during class committee meetings.

COURSE POLICY

MODE OF CORRESPONDENCE

Email: sivaraj@nitt.edu

COMPENSATION ASSESSMENT POLICY

Compensation assessment will be conducted for absentees in model test only after the submission of medical or On-Duty certificates signed by competent authority.

ATTENDANCE POLICY

- **At least 75% attendance in each course is mandatory.**

- **A maximum of 10% shall be allowed under On Duty (OD) category.**

- Students with **less than 65% of attendance** shall be prevented from writing the final assessment and **shall be awarded 'V' grade.**

ACADEMIC DISHONESTY & PLAGIARISM

- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.

- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.

- The departmental disciplinary committee including the course faculty member, PAC chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the Academic office.
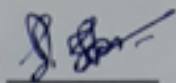
  The above policy against academic dishonesty shall be applicable for all the programmes.
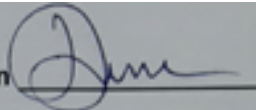
ADDITIONAL INFORMATION

The students can get their doubts clarified at any time with their faculty member with prior appointment

FOR APPROVAL

Course Faculty _____   CC-Chairperson _____   HOD _____