

ST.ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
LESSON PLAN

NAME OF THE SUBJECT: **WEB TECHNOLOGIES**

Academic Year: **2019-20**

SECTION: **IV CSE- I SEM A SEC**

NAME OF THE INSTRUCTOR: **N.PHANI LALITHENDRA**

Unit	Topics	No. of Periods Required
I	Introduction to Web Technologies, HTML, CSS: Basic Syntax, standard HTML Document structure, Basic text markup, Images, Hyper text Links, Lists, Tables, Forms, HTML5 CSS: Levels of Style sheets, Style specification formats, Selector forms, The Box Model, Conflict Resolution	15
II	Java Script: The Basics of Java Script, Objects, Primitive operations and Expressions, Screen output and Keyboard input, Control statements, Object Creation and modification, Arrays, functions, Constructors, Pattern matching using Regular Expressions, DHTML: Positioning moving and Changing Elements	12
III	XML: Introduction and Structure of XML, Document Type Definition, XML Schemas, Document Object Model, XSLT, DOM and SAX approaches. AJAX A new Approach: Introduction to AJAX, Integrating PHP and AJAX	08
IV	PHP Programming: Introduction to PHP, creating PHP script and running PHP script, working with variables and constants, Data types, operators, Conditional and Control statements, Arrays, functions, Working with forms and Data bases such as MySQL	08
V	PERL: Introduction to PERL, Operators and if statements, Program Design and Control Structures, Arrays and Hashes, File handling, Regular Expressions, Subroutines, Retrieving documents from the web with PERL	08
VI	Ruby: Introduction to Ruby, Variables, types, simple I/O statements, Control statements, Arrays and Hashes, Methods, classes, Iterators, Pattern matching, Overview of Rails	08
Total Periods:		59

Text Books:

1. Programming the World Wide Web, Robert W Sebesta, 7ed, Pearson.
2. Web Technologies, Uttam K Roy, Oxford
3. The Web Warrior Guide to Web Programming, Bai, Ekedahl, Farrell, Gosselin, Zak, Karparhi, MacIntyre, Morrissey, Cengage

Reference Books:

1. Ruby on Rails Up and Running, Lightning fast Web development, Bruce Tate, Curt Hibbs, Oreilly (2006)
2. Programming Perl, 4ed, Tom Christiansen, Jonathan Orwant, Oreilly (2012)
3. Web Technologies, HTML< JavaScript, PHP, Java, JSP, XML and AJAX, Black book, Dream Tech.
4. An Introduction to Web Design, Programming, Paul S Wang, Sanda S Katila, Cengage
5. <http://www.upriss.org.uk/perl/PerlCourse.html>

Signature of the Faculty

Signature of the HOD