

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

NAME OF THE SUBJECT: **WEB TECHNOLOGIES** SECTION: **III CSE- II SEM (A, B&C)**
 ACEDAMIC YEAR: 2017-18

S.No	Unit	Topics	No. of Periods Required
1	I	HTML tags, Lists, Tables, Images, forms, Frames. Cascading Style Sheets. Introduction to Java Script. Objects in Java Script. Dynamic HTML with Java Script	12
2	II	Working with XML: Document type Definition, XML schemas, Document object model, XSLT, DOM and SAX.	07
3	III	AJAX A New Approach: Introduction to AJAX, Integrating PHP and AJAX. Consuming WEB services in AJAX: (SOAP, WSDL, UDDI)	09
4	IV	PHP Programming: Introducing PHP: Creating PHP script, Running PHP script. Working with variables and constants: Using variables, Using constants, Data types, Operators. Controlling program flow: Conditional statements, Control statements, Arrays, functions. Working with forms and Databases such as MySQL, Oracle, SQL Sever.	10
5	V	Introduction to PERL, Perl language elements, Interface with CGI- A form to mail program, Simple page search	07
6	VI	Introduction to Ruby, variables, types, simple I/O, Control, Arrays, Hashes, Methods, Classes, Iterators, Pattern Matching, Practical Web Applications	08
TOTAL			53

TOTAL NO. OF CLASSES REQUIRED: 53

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

FACULTY MEMBER

HEAD OF THE DEPARTMENT