

Bhoj Reddy Engineering College for Women: Hyderabad

Department of Information Technology

Lesson plan of faculty member for the academic year 2017–18

Class: IV B Tech

Branch-Section: IT-A

Semester: I

Subject: Scripting Languages

Lectures per week: 4+1 (Tutorial)

Lecture Number	Topics to be covered	Date(s)
UNIT - I : Introduction to PERL and Scripting		
1	Scripts & Programs, Origin of Scripting, Characteristics of scripting languages	12 July 2017
2	Tutorial (G1) – Difference between traditional programming languages and Scripting languages	12 July 2017
3	Uses of scripting languages, Web Scripting	15 July 2017
4	The Universe of scripting languages	18 July 2017
5	PERL-Names & Values, Variables	19 July 2017
6	Scalar Expressions, control structures	22 July 2017
7	Tutorial (G3, G1) – Programs using PERL	18, 19, July 2017
8	Arrays, List, Hashes	24 July 2017
9	Strings, Pattern & regular expressions	25 July 2017
10	Subroutines	26 July 2017
UNIT – II : Advanced Perl and PHP Basics		
11	Finer points of Looping, Pack & unpack	29 July 2017
12	Tutorial (G2, G3, G1)-application areas of PHP	24, 25, 26 July 2017
13	File system, eval, Data Structures	31 July 2017
14	Packages, Modules	1 August 2017
15	Objects, Interfacing to the OS	2 August 2017
16	Creating Internet ware applications	5 August 2017
17	Tutorial (G2, G3, G1) - Example scripts using PHP	31, July ,1, 2, August 2017
18	Dirty Hands internet programming	7 August 2017
19	Security Issues	8 August 2017
20	PHP Features, Embedding PHP code in your Web Pages, Outputting the data to the browser	9 August 2017
21	Data types, Variables, Expressions, String interpolation,	12 August 2017
22	Tutorial (G2, G3, G1) - Scripts using strings	7, 8, 9 August 2017
23	Control structures	
24	Function, Creating a function, Function Libraries	16 August 2017
25	Arrays	19 August 2017
26	Tutorial (G1) - PHP scripts using functions	16 August 2017
27	Arrays	21 August 2017
28	Strings & Regular Expressions	22 August 2017
UNIT – III : Advanced PHP Programming		
29	PHP & Web forms	23 August 2017
30	Files in PHP	26 August 2017
31	Tutorial (G2, G3, G1) - PHP Scripts using files	21, 22, 23 August 2017
32	PHP & Web forms	28 August 2017
33	Files in PHP	29 August 2017
34	PHP Authentication & Methodologies	30 August 2017
35	Tutorial (G2, G3, G1) - PHP Script using hard coded authentication	28, 29, 30 August 2017
36	PHP Authentication & Methodologies-Hard Coded	4 September 2017
37	File Based, Database Based	5 September 2017

38	IP Based, Login Administration	9 September 2017
39	Tutorial (G2, G3) - PHP Script using file based authentication	4, 5 September 2017
40	Uploading files with PHP	11 September 2017
41	Sending Email using PHP	12 September 2017
42	PHP encryption functions	13 September 2017
43	The Mcrypt package, Building Web sites for the world	16 September 2017
UNIT- IV :TCL and TK		
44	Tutorial (G2,G3, G1) – Applications of TCL	11,12,13 September 2017
45	TCL Structure, Syntax, Variable & data in TCL	18 September 2017
46	Control flow, Data structures	19 September 2017
47	Input/output Procedures, strings	23 September 2017
48	Tutorial (G2 ,G3) – TCL Scripts using control flow statements	18,19 September 2017
49	Patterns, files	3 October 2017
50	Advance TCL-eval, source, Exec & uplevel commands	4 October 2017
51	Name Spaces, Trapping errors	7 October 2017
52	Tutorial (G3, G1) – Programs on eval	3, 4 October 2017
53	Event driven programs, Making applications internet aware	9 October 2017
54	Nuts and Bolts internet programming	10 October 2017
55	Security issues, C interface	11 October 2017
56	Visual Tool Kits	14 October 2017
57	Tutorial (G2,G3, G1) – Programs on source, exec commands	9,10,11 October 2017
58	Fundamental concepts of Tk	16 October 2017
59	Tk by Example	17 October 2017
60	Events & Binding	21 October 2017
61	Tutorial(G2,G3) - Programs on Events	16,17 October 2017
62	Perl-Tk	23 October 2017
UNIT- V : Python		
63	Introduction to Python Language	24 October 2017
64	Python Syntax, Statements , functions	25 October 2017
65	Building functions & Methods	28 October 2017
66	Tutorial (G2, G3, G1) - Applications of Python	23, 24, 25 October 2017
67	Modules in Python	30 October 2017
68	Exception Handling	31 October 2017
69	Integrated Web Applications in Python	1 November 2017
70	Tutorial (G2, G3, G1) – Examples on modules	30, 31 October 2017, 1 November 2017
71	Building small, Efficient Python Web systems	6 November 2017
72	Web Application Framework	7 November 2017
73	Tutorial (G2, G3) - Programs on Exception handling	6, 7 November 2017

Text Books:

1. The World of Scripting languages, David Barron, Wiely Publications.
2. Python Web Programming, Steve Holden & David Beazley, New Riders Publications.
3. Beginning PHP & MYSQL, 3rd Edition, Jason Gilmore, press Publications.

Name and signature of the faculty: Ms Maya Dhone

Name and signature of Head of the Department: Mr K Sandeep Kumar
