

Bhoj Reddy Engineering College for Women: Hyderabad

Department of Information Technology

Lesson plan of faculty member for the academic year 2016–17

Class: IV B Tech

Branch-Section: IT-B

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	13 June 2016
2	Uses of scripting languages, Web Scripting	14 June 2016
3	The Universe of scripting languages	15 June 2016
4	PERL-Names & Values, Variables	17 June 2016
5	Tutorial (G1, G2, G3) - Categories of scripting languages	13, 14, 17 June 2016
6	Scalar Expressions, control structures	20 June 2016
7	Arrays, List, Hashes	21 June 2016
8	Strings, Pattern & regular expressions	22 June 2016
9	Subroutines	24 June 2016
10	Tutorial (G1, G2, G3)-application areas of SL	20, 21, 24 June 2016
UNIT – II : Advanced Perl and PHP Basics		
11	Finer points of Looping, Pack & unpack	27 June 2016
12	File system, eval	28 June 2016
13	Data Structures	29 June 2016
14	Packages, Modules	1 July 2016
15	Tutorial (G1, G2, G3) - Example scripts on perl	27, 28 June, 1 July 2016
16	Objects, Interfacing to the OS	4 July 2016
17	Creating Internet ware applications	5 July 2016
18	Dirty Hands internet programming	8 July 2016
19	Tutorial (G1, G2, G3) - Programs on perl	4,5,8 July 2016
20	Security Issues	11 July 2016
21	PHP Features, Embedding PHP code in your Web Pages	12 July 2016
22	Outputting the data to the browser	13 July 2016
23	Data types, Variables	15 July 2016
24	Tutorial (G1, G2, G3) - Basic PHP scripts	11, 12, 15 July 2016
25	Expressions, String interpolation,	18 July 2016
26	Control structures	19 July 2016
27	Function, Creating a function	20 July 2016
28	Function Libraries	22 July 2016
29	Tutorial (G1 , G2, G3) - Programs on PHP	18, 19, 22 July 2016
30	Arrays	25 July 2016
31	Strings & Regular Expressions	26 July 2016
UNIT – III : Advanced PHP Programming		
32	PHP & Web forms	27 July 2016
33	Files in PHP	29 July 2016
34	Tutorial (G1 , G2, G3) - Applications of PHP	25 ,26 ,29 July 2016
35	PHP Authentication & Methodologies-Hard Coded	2 August 2016
36	File Based, Database Based	3 August 2016
37	IP Based, Login Administration	5 August 2016
38	Tutorial (G2 , G3) - Revision of authentication methods	2, 5 August 2016

39	Uploading files with PHP	16 August 2016
40	Sending Email using PHP	17 August 2016
41	PHP encryption functions	19 August 2016
42	Tutorial (G2 ,G3) - Applications of PHP	16, 19 August 2016
43	The Mcrypt package, Building Web sites for the world	22 August 2016
UNIT- IV :TCL and TK		
44	TCL Structure, Syntax	23 August 2016
45	Variable & data in TCL	24 August 2016
46	Control flow, Data structures	26 August 2016
47	Tutorial (G1 , G2 ,G3) - Programs on files	22, 23, 26 August 2016
48	Input/output Procedures, strings	29 August 2016
49	Patterns, files	30 August 2016
50	Advance TCL-eval, source, Exec & uplevel commands	31 August 2016
51	Name Spaces, Trapping errors	2 September 2016
52	Tutorial(G1, G2, G3) - Programs on control structures	29, 30 August, 2 September 2016
53	Event driven programs	6 September 2016
54	Making applications internet aware	7 September 2016
55	Nuts and Bolts internet programming	9 September 2016
56	Tutorial (G2, G3) - Applications of TCL	6, 9 September 2016
57	Security issues, C interface	13 September 2016
58	Visual Tool Kits	14 September 2016
59	Fundamental concepts of Tk	16 September 2016
60	Tutorial (G2, G3) - Applications of TK	13, 16 September 2016
61	Tk by Example	19 September 2016
62	Events & Binding	20 September 2016
63	Perl-Tk	21 September 2016
UNIT- V : Python		
64	Introduction to Python Language	23 September 2016
65	Tutorial (G1, G2, G3) - Applications of Python	19, 20, 23 September 2016
66	Python Syntax	26 September 2016
67	Statements , functions	27 September 2016
68	Building functions & Methods	28 September 2016
69	Tutorial (G1, G2)-Programs using Methods	26, 27 September 2016
70	Modules in Python	3 October 2016
71	Exception Handling	4 October 2016
72	Tutorial (G1, G2) - Programs using modules	3, 4 October 2016
73	Integrated Web Applications in Python	28 October 2016
74	Tutorial (G3) - Programs on Exception handling	28 October 2016
75	Building small, Efficient Python Web systems	31 October 2016
76	Web Application Framework	1 November 2016
77	Revision	2 November 2016
78	Tutorial (G1, G2, G3) - Previous question papers Discussion	31 October ,1 November 2016

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 G Srinivasa Rao
