

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-A

Semester: I

Subject: Scripting Languages

Lectures per week: 4+1 (Tutorial)

Lecture no:	Topics to be covered	Date (s)
UNIT I --- Introduction to PERL & Scripting		
1	Scripts & Programs, Origin of Scripting, Characteristics of scripting languages	13 June 2016
2	Uses of scripting languages, Web Scripting, The Universe of scripting languages	14 June 2016
3	The Uses of scripting languages, Introduction to PERL	15 June 2016
4	PERL-Names & Values, Variables	18 June 2016
5	Tutorial(G2,G3,G1)-Introduction to shell scripting	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	25 June 2016
10	Tutorial(G2,G3,G1)-application areas of scripting languages	20, 22, 24 June 2016
UNIT II --- Advanced PERL and PHP Basics		
11	Finer points of Looping, Pack & unpack	27 June 2016
12	Filesystem,eval	28 June 2016
13	Data Structures	29 June 2016
14	Packages, Modules	02 July 2016
15	Tutorial(G2,G3,G1)-example scripts on Perl	27, 29 June, 01 July 2016
16	Objects, Interfacing to the OS	04 July 2016
17	Creating Internet ware applications	05 July 2016
18	Dirty Hands internet programming and security issues	09 July 2016
19	Tutorial(G2,G1)-programs on Perl	04, 08 July 2016
20	Features, Embedding PHP code in your Web Pages	11 July 2016
21	Outputting the data to the browser, Datatypes, Variables	12 July 2016
22	Expressions, String interpolation, Control structures	13 July 2016
23	Function, Creating a function	16 July 2016
24	Tutorial(G2,G3,G1)-basic php scripts	11, 13, 15 July 2016
25	Function Libraries, Arrays	18 July 2016
26	Strings & Regular Expressions	19 July 2016
UNIT III ---Advanced PHP Programming		
27	PHP & Web forms	20 July 2016
28	Files, PHP Authentication & Methodologies-Hard Coded	23 July 2016
29	Tutorial(G2,G3,G1)-programs on PHP	18, 20, 22 July 2016
30	File Based, Database Based	25 July 2016
31	IP Based, Login Administration	26 July 2016
32	Uploading files with PHP	27 July 2016
33	Sending Email using PHP	30 July 2016
34	Tutorial(G2,G3,G1)-applications of PHP	25, 27, 29 July 2016
35	PHP encryption functions	02 August 2016
36	The Mcrypt package, Building Web sites for the world	03 August 2016
UNIT IV--- TCL and Tk		
37	TCL Structure, Syntax Variable & data in TCL	06 August 2016

38	Tutorial-applications of TCL	03, 05 August 2016
39	Control flow, Data structures	16 August 2016
40	Input/output ,Procedures	17 August 2016
41	Working with Strings	20 August 2016
42	Tutorial(G3,G1)-programs on files	17, 19 August 2016
43	Pattern, files	22 August 2016
44	Advance TCL-eval, source, Exec & uplevel commands	23 August 2016
45	Name Spaces, Trapping errors	24 August 2016
46	Event driven programs	27 August 2016
47	Tutorial(G2,G3,G1)-programs on control structure of TCL	22, 24, 26 August 2016
48	Making applications internet aware	29 August 2016
49	Nuts and Bolts internet programming	31 August 2016
50	Security issues, C interface	03 September 2016
51	Tutorial(G2,G3,G1) – Applications of TCL	29, 31 August, 02 September 2016
52	Visual Tool Kits	06 September 2016
53	Fundamental concepts of Tk	07 September 2016
54	Tk by Example	10 September 2016
55	Tutorial(G3,G1)- Applications of TK	07, 09 September 2016
56	List boxes and Scroll bars	13 September 2016
57	Tk implementation	14 September 2016
58	Events & Binding	17 September 2016
59	Tutorial(G3,G1)- event and binding	14, 16 September 2016
60	Perl-Tk	19 September 2016
UNIT V --- Python		
61	Introduction to Python Language	20 September 2016
62	Python Syntax	21 September 2016
63	Statements, functions	24 September 2016
64	Tutorial(G2,G3,G1) –basic python scripts	19, 21, 23 September 2016
65	Building functions & Methods	26 September 2016
66	Modules in Python	27 September 2016
67	Exception Handling	28 September 2016
68	Integrated Web Applications in Python	01 October 2016
69	Tutorial(G2,G3) – programs using modules	26,28 September 2016
70	Building small, Efficient Python Web systems	03 October 2016
71	Web Application Framework	04 October 2016
72	Web Server Architecture	29 October 2016
73	Tutorial(G1)- practice programs	28 October 2016
74	A web application	31 October 2016
75	Site Structure	1 November 2016
76	Revision	02 November 2016
77	Tutorial(G3,G2)-Previous Question Paper Discussion	31 October 2016, 02 November 2016

Text Books:

1. The World of Scripting languages, David Barron, Wiley 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: Sana Mateen ----

Name and signature of Head of the Department: Mr. G Srinivasa Rao ----