J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

		ACADEMIC YEAR	2013-14

		2013-14
	COURSE PLAN	Regulation: R11

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Assistant Professor
Department::   CSE

COURSE DETAILS

Name Of The Programme::   B.Tech   Batch::   2010
Designation::   IV-B.Tech
Year   2013-14   Semester   II
Department::   CSE
Title of The Subject   SL   Subject Code   58037
No of Students   69

FACULTY DETAILS:

        Name of the Faculty::   V.Sudhakar
            Designation: Assistant Professor
           Department::   CSE

1. TARGET

        a) Percentage Pass   100

        b) Percentage I class   95

2. COURSE PLAN

(Please write how you intend to cover the contents: i.e., coverage of Units by lectures, guest lectures, design exercises, solving numerical problems, demonstration of models, model preparation, or by assignments, etc.)

I intending to coverage of Units by lectures, model preparation and assignments.

3. METHOD OF EVALUATION

    3.1. ☐ Continuous Assessment Examinations (CAE 1, CAE 2)

    3.2. ☑ Assignments / Seminars

    3.3. ☐ Mini Projects

    3.4. ☐ Quiz

    3.5. ☑ Term End Examination

    3.6. ☐ Others

4. List out any new topic(s) or any innovation you would like to introduce in teaching the subject in this Semester.

Signature of HOD   Signature of Faculty
Date: Date:

FACULTY DETAILS:

Name of the Faculty:: V.Sudhakar

Designation: Assistant Professor

Department:: CSE

Guidelines for Preparing the Course:

Course Description:

Perl, PHP, TCL/Tk,Phython -- they are often-requested skills for employment, but most of us do not have the time to find out what they are all about. In this course, you learn how to use scripting languages for rapid prototyping, web programming, data processing, and application extension. Besides covering traditional programming languages concepts as they apply to scripting (e.g., dynamic typing and scoping), this course looks at new concepts rarely found in traditional languages (e.g., string interpolation, hashes, and polylingual code). Through a series of small projects, you use different languages to achieve programming tasks that highlight the strengths and weaknesses of scripting. As a side effect, you practice teaching yourself new languages.

Course Objectives:

1. We can understand different types of scripting languages and their characteristics
2. We can understand creating internet ware applications
3. To have understanding of Dirty Hands Internet Programming
4. To have knowledge about different scripting languages
5. To study the Hard Coded, File Based, Database Based, IP Based, Login Administration,
6. To understands Uploading Files with PHP, Sending Email using PHP
7. To have knowledge about eval, source, exec and uplevel commands, Name spaces, trapping errors, event driven programs, making applications internet aware
8. Can understand perl-Tk, Visual Tool Kits, Fundamental Concepts of Tk
9. Analyse the concepts of functions, Built-in-functions and Methods, Exception Handling
10. To understand the Integrated Web Applications in Python – Building Small
11. Demonstrate the use of Python to prototype applications.
12. Demonstrate the use of Python in developing applications using Web Application Framework.

Learning Outcomes:

1. Understanding of basic scripting languages
2. Have knowledge about Write, compile, and run Perl programs, Analyze the effects of using Perl
3. Create Web sites with Perl programs
4. should be able to: explain the advantages of using Perl, TCL/Tk for a scripting tool
5. student have knowledge about PHP Methodologies, Uploading Files with PHP, Sending Email using PHP
6. student should be able to uploading and sending email using PHP
7. properly use of scalars, arrays and associative arrays
8. student should be able to build web applications
9. design and write Perl functions
10. Demonstrate the use of Python to prototype applications.
11. Demonstrate the use of regular expressions in processing text.
12. Student should be able to build web application frame work
13. Explain characteristics of scripting languages and be able to differentiate them from systems languages

FACULTY DETAILS:

Name of the Faculty:: V.Sudhakar
Designation: Assistant Professor
Department:: CSE

On completion of this Subject / Course the student shall be able to:

S.No.	Objectives	Outcomes
1.	We can understand different types of scripting languages and their characteristics	1,3,13
2.	To have understanding of Dirty Hands Internet Programming	1,2
3.	To have knowledge about different scripting languages	1,4,11
4.	To study the Hard Coded, File Based, Database Based, IP Based, Login Administration	5
5.	To understands Uploading Files with PHP, Sending Email using PHP	5,6,7
6.	To have knowledge about eval, source, exec and uplevel commands, Name spaces, trapping errors, event driven programs, making applications internet aware	1,8
7.	Can understand perl-Tk, Visual Tool Kits, Fundamental Concepts of Tk	4,1
8.	Analyse the concepts of functions, Built-in-functions and Methods, Modules in python, Exception Handling	9
9.	To understand the Integrated Web Applications in Python – Building Small, Efficient Python Web Systems	8,10
10.	Demonstrate the use of Python in developing applications using networking and databases. Web Application Framework.	10,12

Signature of Faculty
Date:

Note: For each of the OBJECTIVE indicate the appropriate OUTCOMES to be achieved.
Kindly refer Page 16, to know the illustrative verbs that can be used to state the objectives.

COURSE OUTCOMES

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Assistant Professor
Department::   CSE

The expected outcomes of the Course / Subject are:

S.No.	General Categories of Outcomes	Specific Outcomes of the Course
A.	An ability to apply knowledge of mathematics, science, and engineering	
B.	An ability to design and conduct experiments, as well as to analyze and interpret data	
C.	An ability to design a system, component, or process to meet desired needs within realistic Constraints such as economic, environmental, social, political, ethical, health and safety, Manufacturability and sustainability	
D.	An ability to function on multi-disciplinary teams	
E.	An ability to identify, formulate, and solve engineering problems	
F.	An understanding of professional and ethical responsibility	
G.	An ability to communicate effectively	
H.	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context	
I.	A recognition of the need for, and an ability to engage in life-long learning	
J.	A knowledge of contemporary issues	
K.	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	

Objectives – Outcome Relationship Matrix (Indicate the relationships by ☒ mark)**.**

Objectives \ Outcomes	A	B	C	D	E	F	G	H	I	J	K
1.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Assistant Professor
Department::   CSE
The Schedule for the whole Course / Subject is::   75 periods

S. No.	Description	Duration (Date)		Total No. of Periods
		From	To	
1.	Introduction to PERL and Scripting	9/12/13	30/12/13	17
2.	Advanced perl	30/12/13	21/1/14	8
3.	PHP Basics	22/1/14	31/1/14	6
4.	Advanced PHP Programming	31/1/14	6/2/14	8
5.	TCL	7/2/14	18/2/14	11
6.	Tk	19/2/14	27/2/14	9
7	Python	28/2/14	15/3/14	10
8	Integrated Web Applications in Python	21/3/14	3/4/14	6

Total No. of Instructional periods available for the course: Hours / Periods

TEXT BOOKS:

1. The World of Scripting Languages , David Barron,Wiley Publications.
2.Python Web Programming , Steve Holden and David Beazley ,New Riders Publications.
3.Beginning PHP and MySQL , 3rd Edition , Jason Gilmore,Apress Publications (Dream tech.).

REFERENCE BOOKS:

1. Open Source Web Development with LAMP using Linux ,Apache,MySQL,Perl and PHP,J.Lee and
B.Ware(Addison Wesley) Pearson Education.
2. Programming Python,M.Lutz,SPD.
3. PHP 6 Fast and Easy Web Development , Julie Meloni and Matt Telles, Cengage Learning Publications.
4. Tcl and the Tk Tool kit,Ousterhout,Pearson Education.

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Assistant Professor
Department::   CSE
The Schedule for the whole Course / Subject is::   17

Sl. No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcome Nos.		References (Text Book, Journal...) Page No___ to ___
1	9/12/13	1	Introduction to PERL and Scripting: Scripts and Programs	1,3	1	T1(3-3)
2	9/12/13	1	Origin of Scripting	1,3	1	T1(4-4)
3	10/12/13	1	Scripting Today	1,3	1	T1(5-5)
4	11/12/13	2	Characteristics of Scripting Languages,Uses for Scripting Languages	1,3	1	T1(5-6,7-12)
5	16/12/13	3	Web Scripting, and the universe of Scripting Languages	1,3	1,4	T1(12-13,13-14))
6	18/12/13	2	PERL- Names and Values	1,3	1,4	T1(24-28)
7	23/12/13	2	Variables, Scalar Expressions	1,3	1	T1(28-29,29-31)
8	24/12/13	2	Control Structures	1,3	1	T1(32-35)
9	24/12/13	1	arrays, list, hashes, strings,	1,3	1,7	T1(41-46,48-49)
10	30/12/13	1	pattern and regular expressions	1,3	1	T1(49-57)
11	30/12/13	1	subroutines	1,3	1	T1(58-60)

Signature of Faculty
Date

Note: 1. ENSURE THAT ALL TOPICS SPECIFIED IN THE COURSE ARE MENTIONED.
2. ADDITIONAL TOPICS COVERED, IF ANY, MAY ALSO BE SPECIFIED **BOLDLY**.
3. MENTION THE CORRESPONDING COURSE OBJECTIVE AND OUT COME NUMBERS AGAINST EACH TOPIC.

<table>
<tr><td colspan="3" align="center">SCHEDULE OF INSTRUCTIONS

UNIT - II</td><td>2013-14

Regulation: R11</td></tr>
</table>

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Assistant Professor
Department::   CSE
The Schedule for the whole Course / Subject is::   8

Sl. No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcome Nos.		References (Text Book, Journal…) Page No___ to ___
1	30/12/13	1	Advanced perl : Finer points of looping	4	1,2	T1(64-65)
2	31/12/13	1	pack and unpack	4	1,2	T1(68-68)
3	1/1/14	1	Filesystem , eval	4	1,2	T1(74-75,78-79)
4	6/1/14	1	Datastructures, packeges	4	1,2	T1(86-87,88-89)
5	6/1/14	1	Modules, objects	4	1,2	T1(89-91,92-96)
6	20/1/14	1	interfacing to the operating system	4	3	T1(103-108)
7	20/1/14	1	Creating Internet ware applications	2	3	T1(109-111)
8	21/1/14	1	Dirty Hands Internet Programming, security Issues	2	3	T1(112-117)

Signature of Faculty
Date

Note: 1. ENSURE THAT ALL TOPICS SPECIFIED IN THE COURSE ARE MENTIONED.
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MENTION THE CORRESPONDING COURSE OBJECTIVE AND OUT COME NUMBERS AGAINST EACH TOPIC.

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	SCHEDULE OF INSTRUCTIONS	2013-14
	UNIT - III	Regulation: R11

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Assistant Professor
Department::   CSE
The Schedule for the whole Course / Subject is::   6

Sl. No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcome Nos.		References (Text Book, Journal...) Page No___ to ___
1	22/1/14	1	PHP Basics- Features, Embedding PHP Code in your Web pages	9	2,6	T3(56-59)
2	22/1/14	1	Outputting the data to the browser	6	2,6	T3(61-65)
3	27/1/14	1	Data types, Variables, Constants, expressions	1	2	T3(65-94)
4	27/1/14	1	string interpolation, control structures, Function,	9	8	T3(95-114)
5	28/1/14	1	Creating a Function, Function Libraries	9	8	T3(115-124)
6	31/1/14	1	Arrays, strings, and Regular Expressions	2	7	T3(127-161,231-275)

Signature of Faculty
Date

Note: 1. ENSURE THAT ALL TOPICS SPECIFIED IN THE COURSE ARE MENTIONED.
     2.   ADDITIONAL TOPICS COVERED, IF ANY, MAY ALSO BE SPECIFIED **BOLDLY**.
MENTION THE CORRESPONDING COURSE OBJECTIVE AND OUT COME NUMBERS AGAINST EACH TOPIC.

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<tr><td rowspan="2"></td><td colspan="2" align="center">SCHEDULE OF INSTRUCTIONS</td><td>2013-14</td></tr>
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	SCHEDULE OF INSTRUCTIONS **UNIT - IV**	2013-14
		Regulation: R11

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Assistant Professor
Department::   CSE
The Schedule for the whole Course / Subject is::   8

Sl. No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcome Nos.		References (Text Book, Journal...) Page No___ to ___
1	31/1/14	1	Advanced PHP Programming :PHP and Web Forms	2	8	T3(349-354)
2	3/2/14	1	Files	6	8	T3
3	4/2/14	1	PHP Authentication and Methodolgies - Hard Coded, File Based, Database Based	5	5	T3(370-374)
4	4/2/14	1	IP Based, Login Administration	5	5	T3(375-385)
5	5/2/14	1	Uploading Files with PHP, Sending Email using PHP	2, 6	8	T3(388-394,412-417)
6	5/2/14	1	PHP Encryption Functions, the Mcrypt package	9, 5	6	T3(559-564)
7	6/2/14	2	Building Web sites for the World.	2	8	T3(591-599)

Signature of Faculty
Date

Note: 1. ENSURE THAT ALL TOPICS SPECIFIED IN THE COURSE ARE MENTIONED.
     2.   ADDITIONAL TOPICS COVERED, IF ANY, MAY ALSO BE SPECIFIED **BOLDLY**.
MENTION THE CORRESPONDING COURSE OBJECTIVE AND OUT COME NUMBERS AGAINST EACH TOPIC.

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Assistant professor
Department::   CSE
The Schedule for the whole Course / Subject is::   11

Sl. No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcome Nos.		References (Text Book, Journal...) Page No___ to ___
1	7/2/14	1	TCL : TCL Structure, syntax	7	8	T1(119-120)
2	10/2/14	1	Variables and Data in TCL	7	4	T1(124-125)
3	10/2/14	1	Control Flow, Data Structures, input/output	7	4	T1(126-131)
4	11/2/14	2	procedures, strings, patterns, files	7	4	T1(132-141)
5	12/2/14	1	Advance TCL- eval, source	7	4	T1(148-148)
6	12/2/14	1	exec and uplevel commands,	7	4	T1(148-149)
7	15/2/14	1	Name spaces, trapping errors	7	8,13	T1(152-155)
8	15/2/14	1	event driven programs, making applications internet aware	7	8,13	T1(156-160)
9	18/2/14	1	Nuts and Bolts Internet Programming	7	8,13	T1(161-165)
10	18/2/14	1	Security Issues, C Interface	7	8,13	T1(166-172)

Signature of Faculty
Date

Note: 1. ENSURE THAT ALL TOPICS SPECIFIED IN THE COURSE ARE MENTIONED.
2. ADDITIONAL TOPICS COVERED, IF ANY, MAY ALSO BE SPECIFIED **BOLDLY**.
MENTION THE CORRESPONDING COURSE OBJECTIVE AND OUT COME NUMBERS AGAINST EACH TOPIC.

	SCHEDULE OF INSTRUCTIONS	2013-14
	UNIT - VI	Regulation: R11

FACULTY DETAILS:

Name of the Faculty:: V.Sudahkar
Designation: Assistant Professor
Department:: CSE
The Schedule for the whole Course / Subject is:: 9

Sl. No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcome Nos.		References (Text Book, Journal…) Page No___ to ___
1	19/2/14	2	Tk-Visual Tool Kits	8	4	T1(176-177)
2	20/2/14	2	Fundamental Concepts of Tk	8	4	T1(177-181)
3	21/2/14	1	Tk by example	8	4	T1(182-197)
4	22/2/14	2	Events and Binding	8	4	T1(198-201)
5	27/2/14	2	Perl-Tk	8	4	T1(201-209)

Signature of Faculty
Date

Note: 1. ENSURE THAT ALL TOPICS SPECIFIED IN THE COURSE ARE MENTIONED.
2. ADDITIONAL TOPICS COVERED, IF ANY, MAY ALSO BE SPECIFIED **BOLDLY**.
MENTION THE CORRESPONDING COURSE OBJECTIVE AND OUT COME NUMBERS AGAINST EACH TOPIC.

			SCHEDULE OF INSTRUCTIONS	2013-14	
			SCHEDULE OF INSTRUCTIONS **UNIT - VII**	Regulation: R11	

FACULTY DETAILS:

Name of the Faculty:: V.Sudhakar
Designation: Assistant Professor
Department:: CSE
The Schedule for the whole Course / Subject is:: 10

Sl. No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcome Nos.		References (Text Book, Journal...) Page No___ to ___
1	28/2/14	1	Python :Introduction to Python langauge	1, 9	10,13	T2(21-24)
2	28/2/14	1	python-syntax, statements	1, 9	10,13	T2(25-51)
3	1/3/14	2	functions	9	10,13	T2(52-59)
4	5/3/14	2	Built-in-functions and Methods	9	10,13	T2(60-67)
5	8/3/14	2	Modules in python	9	10,12	T2(68-76)
6	15/3/14	2	Exception Handling	9	10,12	T2(77-82)

Signature of Faculty
Date

Note: 1. ENSURE THAT ALL TOPICS SPECIFIED IN THE COURSE ARE MENTIONED.
2. ADDITIONAL TOPICS COVERED, IF ANY, MAY ALSO BE SPECIFIED **BOLDLY**.
MENTION THE CORRESPONDING COURSE OBJECTIVE AND OUT COME NUMBERS AGAINST EACH TOPIC.

SCHEDULE OF INSTRUCTIONS	2013-14
UNIT - VIII	Regulation: R11

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Asssistant Professor
Department::   CSE
The Schedule for the whole Course / Subject is::   6

Sl. No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcome Nos.		References (Text Book, Journal...) Page No___ to ___
1	21/3/14	2	Integrated Web Applications in Python – Building Small	10	8	T2(427-436)
2	22/3/14	2	Efficient Python Web Systems	10	8	T2(437-448)
3	3/4/14	2	Web Application Framework	12	10,12	T2(449-478)

Signature of Faculty
Date

Note: 1. ENSURE THAT ALL TOPICS SPECIFIED IN THE COURSE ARE MENTIONED.
     2.   ADDITIONAL TOPICS COVERED, IF ANY, MAY ALSO BE SPECIFIED **BOLDLY**.
MENTION THE CORRESPONDING COURSE OBJECTIVE AND OUT COME NUMBERS AGAINST EACH TOPIC.

	2013-14
COURSE COMPLETION STATUS	Regulation: R11

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar

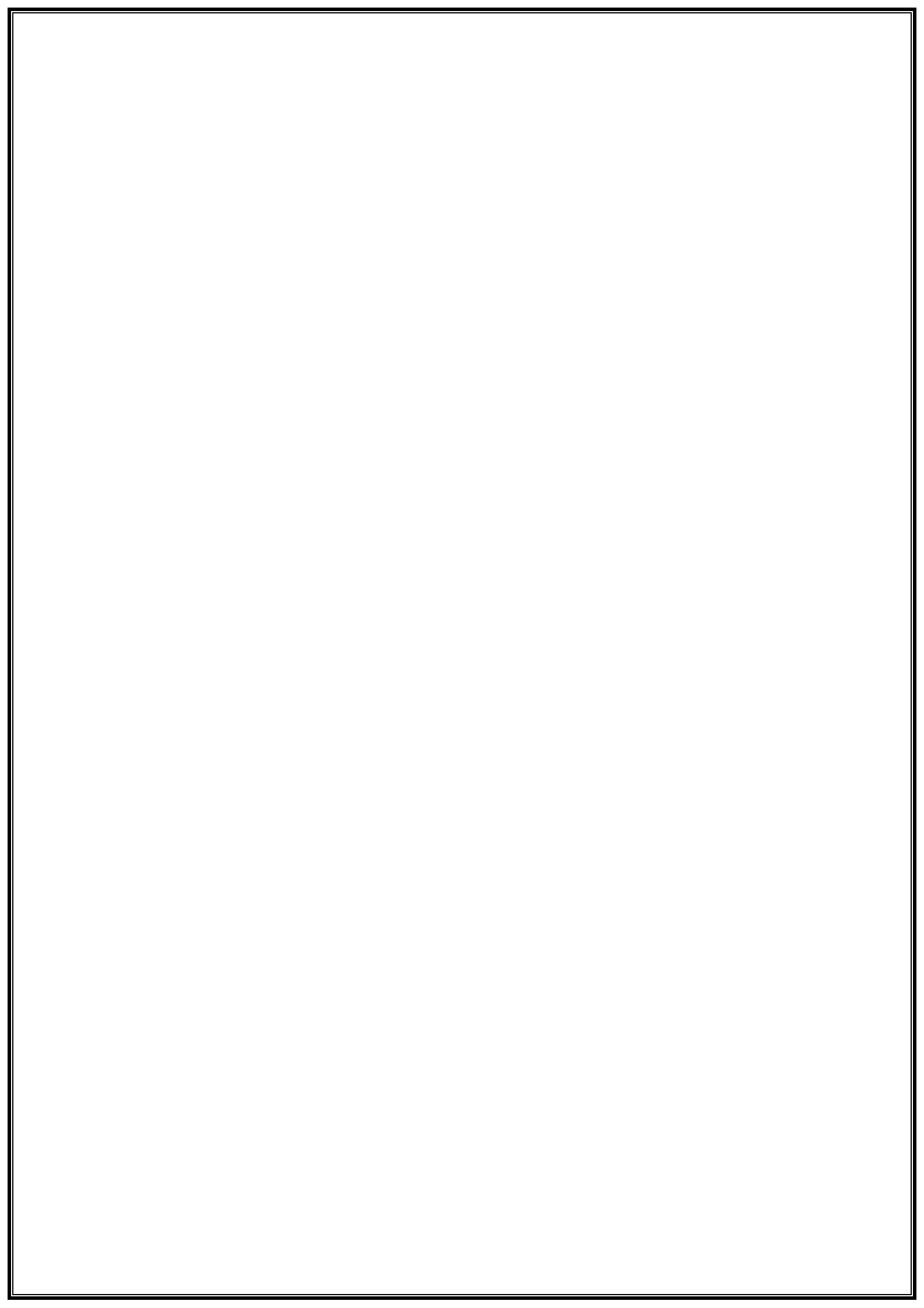Subject::   Scripting Languages   Subject Code 58037

Department::   CSE

Actual Date of Completion & Remarks, if any

Units	Remarks	Nos. of Objectives Achieved
Unit 1	30/12/13	2
Unit 2	21/1/13	2
Unit 3	31/1/12	4
Unit 4	6/2/13	3
Unit 5	18/2/14	1
Unit 6	27/2/14	1
Unit 7	15/3/14	2
Unit 8	3/4/14	2

Signature of Dean of School
Date:

Signature of Faculty
Date:

NOTE: AFTER THE COMPLETION OF EACH UNIT MENTION THE NUMBER OF OBJECTIVES ACHIEVED.

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Assistant Professor
Department::   CSE
The Schedule for the whole Course / Subject is::   Scripting Languages

Date:

This Tutorial corresponds to Unit Nos. I, II, III and IV   Time:

Q.1. a) Write notes on Web scripting. [2]

   b) Differentiate between the following control statements of Perl. [1] [4]

      I) If and unless

      ii) While and until

      iii) Next and last

Q.2. a) Give a brief account on Dirty Hands Internet Programming. [3]

   b) Write briefly about eval in PERL.   [7]

Q.3. a) Explain with an example the creation of a function in PHP. [5] [2]

    b) Write the features of PHP.   [4]

Q.4. a) Explain in detail about file uploading with PHP. [6]

   b) Give a note on PHP Encryption functions. [7]

Q.5. a) Explain about characteristics of Scripting languages? [1]
      b) Explain Hard Coded, File Based, Database Based, IP Based methodologies in php? [5]

Please write the Questions / Problems / Exercises which you would like to give to the students and also mention the objectives to which these questions / Problems are related.

Signature of Dean of School   **Signature of Faculty**
Date: **Date:**

FACULTY DETAILS:

Name of the Faculty::   V.Sudhakar
Designation: Assistant Professor
Department::   CSE
The Schedule for the whole Course / Subject is::   Scripting Languages

Date:

This Tutorial corresponds to Unit Nos. V, VI, VII and VIII   Time:

Q1.   a) Explain the auto load feature of TCL   [8]
      b) Explain about integrating TCL into an existing application? [4] [8]

Q2.   a) What is perl – tool kits. Explain how it is different from Tcl/Tk? [8]
      b) Explain briefly about the bind command? [8]

Q3.   a) What is Python? Explain the features of Python language? [9]
      b) How do you create on your own exception? [9]

Q4.   a) Explain in detail about Apache web server and its Python-oriented extensions. [10]
      b) Explain the classical web server architecture? [12]

Q5.   a) Explain about Building Small, Efficient Python Web systems   [10]
      b) create Web Application Framework using integrated web applications in Python [12]

Please write the Questions / Problems / Exercises which you would like to give to the students and also mention the objectives to which these questions / Problems are related.

Signature of Dean of School   **Signature of Faculty**
Date: **Date:**

These verbs can also be used while framing questions for Continuous Assessment Examinations as well as for End – Semester (final) Examinations.

ILLUSTRATIVE VERBS FOR STATING **GENERAL OBJECTIVES**

Know	Understand	Analyze	Generate
Comprehend	Apply	Design	Evaluate

ILLUSTRATIVE VERBS FOR STATING **SPECIFIC OBJECTIVES:**

A. Cognitive Domain

1	2	3	4	5	6
Knowledge	**Comprehension Understanding**	**Application** of knowledge & comprehension	**Analysis** of whole w.r.t. its constituents	**Synthesis** combination of ideas/constituents	**Evaluation** judgement
Define	Convert	Change	Breakdown	Categorize	Appraise
Identify	Defend	Compute	Differentiate	Combine	Compare
Label	Describe (a procedure)	Demonstrate	Discriminate	Compile	Conclude
List	Distinguish	Deduce	Distinguish	Compose	Contrast
Match	Estimate	Manipulate	Separate	Create	Criticize
Reproduce	Explain why/how	Modify	Subdivide	Devise	Justify
Select	Extend	Predict		Design	Interpret
State	Generalize	Prepare		Generate	Support
	Give examples	Relate		Organize	
	Illustrate	Show		Plan	
	Infer	Solve		Rearrange	
	Summarize			Reconstruct	
				Reorganize	
				Revise	

B. Affective Domain		**C. Psychomotor Domain (skill development)**				
Adhere	Resolve	Bend	Dissect	Insert	Perform	Straighten
Assist	Select	Calibrate	Draw	Keep	Prepare	Strengthen
Attend	Serve	Compress	Extend	Elongate	Remove	Time
Change	Share	Conduct	Feed	Limit	Replace	Transfer
Develop		Connect	File	Manipulate	Report	Type
Help		Convert	Grow	Move preciselyReset		Weigh
Influence		Decrease	Handle	Operate	Run	
Initiate		Demonstrate	Increase	Paint	Set	

Name of the Faculty: V.Sudhakar

Subject   Scripting Languages   Subject Code   58037
Unit   I
INSTRUCTIONAL OBJECTIVES: 17

Session No	Topics to be covered	Time	Ref	Teaching Method
1	Scripts and Programs	50	T1	Black Board
2	Origin of Scripting , Scripting Today	50	T1	Black Board
3	Characteristics of Scripting Languages	50	T1	Black Board
4,5	Uses for Scripting Languages	100	T1	Black Board
6,7,8	Web Scripting	150	T1	Black Board
9,10	and the universe of Scripting Languages	100	T1	Black Board
11,12	PERL- Names and Values, Variables	100	T1	Black Board
13,14	Scalar Expressions, Control Structures	100	T1	Black Board
15	arrays, list, hashes, strings	50	T1	Black Board
16	pattern and regular expressions	50	T1	Black Board
17	subroutines	50	T1	Black Board

On completion of this lesson the student shall be able to (Outcomes)

1. Student should be able to understand the concept of Perl scripting language

2. student should be able to know about web scripting

3. student can analysis characteristics of scripting languages

4. Students can able to write programs their own.

Assignment / Questions

1.   a) Explain the modern applications of scripting languages
      b) Discuss the various characteristics of a scripting language

2.   a) What are lists? Explain?
      b) Explain pattern matching modifiers?

3)   a) Explain in detail about subroutines?
      b) Write briefly about scripts and programs?

4)   a) What is an array? Explin about creating, accessing and processing of arrays.
      b) Explain in detail about hash variables. What is the difference between hashes
         and arrays?

Signature of Faculty

Note: Mention for each question the relevant objectives and outcomes.

Name of the Faculty: V.Sudhakar

           Subject   Scripting Languages   Subject Code

           Unit   II

INSTRUCTIONAL OBJECTIVES: 8

Session No	Topics to be covered	Time	Ref	Teaching Method
18	Finer points of looping	50	T1	Black Board
19	pack and unpack	50	T1	Black Board
20	File system, eval,	50	T1	Black Board
21	datastructures	50	T1	Black Board
22	packages, modules, objects,	50	T1	Black Board
23	interfacing to the operating system	50	T1	Black Board
24	Creating Internet ware applications	50	T1	Black Board
25	Dirty Hands Internet Programming, security Issues	50	T1	Black Board

On completion of this lesson the student shall be able to

1. student should able to know different topics of Advance perl scripting languages

2. Student should able to understood data structures

3. Student should able to create internet ware applications

4. can apply the knowledge of internet programming to create web applications

	ASSIGNMENT Unit-II	2013-14
		Regulation: R11

Assignment / Questions

1. a) Give a brief account on Dirty Hands Internet Programming.
   b) Write briefly about eval in PERL.

2. a) explain about the PERL s approach to provide security

   b) Explain OLE automation server.

3. Explain about creating internet ware application?

4 Explain about dirty hands internet programming?

Signature of Faculty

Note: Mention for each question the relevant objectives and outcomes.

Name of the Faculty: V.Sudhakar

Subject   Scripting Languages   Subject Code

Unit   III

INSTRUCTIONAL OBJECTIVES: 6

Session No	Topics to be covered	Time	Ref	Teaching Method
26	PHP Basics- Features, Embedding PHP Code in your Web pages	50	T2, R1	Block Board
27	Outputting the data to the browser	50	T2, R1.R3	Block Board
28	Data types, Variables, Constants, expressions	50	T2	Block Board
29	string interpolation, control structures, Function	50	T2	Block Board
30	Creating a Function, Function Libraries	50	T2	Block Board
31	Arrays, strings, Regular Expressions	50	T2	Block Board

On completion of this lesson the student shall be able to(Outcomes)

1. Student can able to understood the basic concepts of php ?

2. can able to know the different functions and also create functions

3. can able to know the regular expressions

4. Should be able to get the outputting the data to the browser

	ASSIGNMENT Unit-III	2013-14
		Regulation: R11

Assignment / Questions

1. Explain how can outputting the data to the browser?
2. How to embedding   the php code in your web pages?
3. Explain how to create functions and explain faction libraries?
4. Explain about arrays, strings, and regular expressions?

Signature of Faculty

Note: Mention for each question the relevant objectives and outcomes.

Name of the Faculty: V.Sudhakar

         Subject   Scripting Languages   Subject Code

          Unit   **IV**

INSTRUCTIONAL OBJECTIVES: 8

Session No	Topics to be covered	Time	Ref	Teaching Method
32	PHP and Web Forms, Files	**50**	**T2 ,R3**	Block Board
33	PHP Authentication and Methodolgies -Hard Coded	**50**	**T2**	Block Board
34	File Based, Database Based	**50**	**T2**	Block Board
35	IP Based, Login Administration	**50**	**T2**	Block Board
36	Uploading Files with PHP ,Sending Email using PHP	**50**	**T2, R3, R1**	Block Board
37	PHP Encryption Functions, the Mcrypt package	**50**	**T2**	Block Board
38,39	Building Web sites for the World.	**100**	**T2, R1**	Block Board

On completion of this lesson the student shall be able to (Outcomes)

1. Student can able to understood different methodologies in PHP

2. Able to know the uploading files with php

3. Can send email using PHP

4. Able to build web sites for the world by using PHP

	ASSIGNMENT Unit-IV	2013-14
		Regulation: R11

Assignment / Questions

1. Explain about different methodologies and authentication of PHP?
2. Explain about Mcrypt package ?
3. Explain building web site for world?
4. Briefly explain Uploading Files with PHP, Sending Email using PHP

Signature of Faculty

Note: Mention for each question the relevant objectives and outcomes.

<table>
<tr><td rowspan="2"></td><td rowspan="2">LESSON PLAN
Unit-V</td><td>2013-14</td></tr>
<tr><td>Regulation: R11</td></tr>
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Name of the Faculty: V.Sudhakar

        Subject   Scripting Languages   Subject Code

           Unit   **V**

INSTRUCTIONAL OBJECTIVES: 11

Session No	Topics to be covered	Time	Ref	Teaching Method
40	TCL Structure, syntax	50	T1, R4	Block Board
41	Variables and Data in TCL	50	T1,R4	Block Board
42	Control Flow, Data Structures	50	T1	Block Board
43,44	input/output, procedures , strings , patterns, files	100	T1	Block Board
45	Advance TCL- eval, source	50	T1,R4	Block Board
46	exec and uplevel commands,	50	T1,R4	Block Board
47	Name spaces ,trapping errors,	50	T1	Block Board
48	event driven programs ,making applications internet aware,	50	T1	Block Board
49	Nuts and Bolts Internet Programming	50	T1,R4	Block Board
50	Security Issues, C Interface	50	T1, R4	Block Board

On completion of this lesson the student shall be able to (Outcomes)

1. Student can able to know the fundamental of TCL language

2. Student can able to know trapping errors

3. Should be able to making applications on internet aware

4. Able to write programme with data structures

	ASSIGNMENT Unit-V	2013-14
		Regulation: R11

Assignment / Questions

1. Explain about control flow and data structures?

2. Explain about procedures, strings and patterns using TCL?

3. Explain about exec, source, eval commands?

4. Explain about security issues while using TCL on developing web applications?

5. Explain about nuts and bolts intent programming

Signature of Faculty

Note: Mention for each question the relevant objectives and outcomes.

Name of the Faculty: V.Sudhakar

Subject   Scripting Languages   Subject Code

Unit   **VI**

INSTRUCTIONAL OBJECTIVES: 9

Session No	Topics to be covered	Time	Ref	Teaching Method
51,52	Tk-Visual Tool Kits	**100**	**T1, R4**	Block Board
53,54	Fundamental Concepts of Tk	**100**	**T1,R4**	Block Board
55	Tk by example	**50**	**T1, R4**	Block Board
56,57	Events and Binding	**100**	**T1**	Block Board
58,59	Perl-Tk	**100**	**T1, R4**	Block Board

On completion of this lesson the student shall be able to (Outcomes)

1. Students can able to understand how to use visual took kit

2. Student can able to know the fundamentals of Tk

3. Can build application by using Tk

4. Student can able to know the difference between perl-Tk and Tcl/Tk

	ASSIGNMENT Unit-VI	2013-14
		Regulation: R11

Assignment / Questions

1. Explain about perl-Tk?

2. Developing of web application by using Tk?

3. Explain perl tool kits. And explain how it is different from Tcl/Tk

4. Explin briefly about bind command?

Signature of Faculty

Note: Mention for each question the relevant objectives and outcomes.

Name of the Faculty: V.Sudhakar

Subject   Scripting Languages   Subject Code
Unit   **VII**
INSTRUCTIONAL OBJECTIVES: 10

Session No	Topics to be covered	Time	Ref	Teaching Method
60	Introduction to Python language	**50**	**T2**	Block Board
61	python-syntax, statements	**50**	**T2, R2**	Block Board
62,63	functions	**100**	**T2, R2**	Block Board
64,65	Built-in-functions and Methods	**100**	**T2**	Block Board
66,67	Modules in python	**100**	**T2, R2**	Block Board
68,69	Exception Handling	**100**	**T2, R2**	Block Board

On completion of this lesson the student shall be able to

1. Students can able to know the basics of Python language

2. Student can understand functions, built- in functions, and methods in Python

3. Can able to know the different modules in Python

4. Students can able to handle exceptions while using Python

	ASSIGNMENT **Unit-VII**	2013-14
		Regulation: R11

Assignment / Questions

1. Explin the following statements?
   a) Import....as
   b) Form .... import

2. How do you create your own exception ?

3. What are the dictionaries? Explain with examples.

4. What is Python? Explain the features of Python language?

Signature of Faculty

Note: Mention for each question the relevant objectives and outcomes.

Name of the Faculty: G Sreenivasulu

           Subject   Web Technologies   Subject Code

            Unit   **VIII**

INSTRUCTIONAL OBJECTIVES: 6

Session No	Topics to be covered	Time	Ref	Teaching Method
70,71	Integrated Web Applications in Python – Building Small	**100**	**T2**	Block Board
72,73	Efficient Python Web Systems	**100**	**T2**	Block Board
74,75	Web Application Framework	**100**	**T2**	Block Board

On completion of this lesson the student shall be able to

1. Students can able to build integrated web applications.

2. Student can able to know the architecture of web server.

3. can know the modular programming

4. Student can install Apache web server and also work on the web server

Assignment / Questions

1. Explain in detail about Apache web server and its Python-oriented extensions?

2. Explain the classical web server architecture?

3. What are the 12 core practices of extreme programming?

4. Explain about modular Programming?

5. Explain briefly about web application framework?

Signature of Faculty

Note: Mention for each question the relevant objectives and outcomes.