



## **SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)**

(Established under section 3 of the UGC Act 1956)

**Re - accredited by NAAC with 'A' Grade**

**Founder: Prof. Dr. S. B. Mujumdar, M.Sc., Ph.D. (Awarded Padma Bhushan and Padma Shri by President of India)**

(Established under section 3 of the UGC Act 1956, by notification No.F.9-12/2001-U3  
Government of India)

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### **Sub Committee - Specialization for Curriculum Development (Application Programming)**

#### **Post Graduate/ Under Graduate**

**Course Name: Web Development using Python**

**(UG/PG): UG**

**Number of Credits: 02**

**Level: 3**

#### **Learning Objective(s):**

Apply python for web development using any of the available tools. Helps in understanding various concepts required for any web application like effective GUI, use of various controls used for an interactive web application, database connectivity, embedding HTML, Scripting languages and Python for web applications.

#### **Pedagogy:**

Classroom discussion  
Lab sessions  
Project

#### **Pre-learning:**

Candidate should have knowledge of programming using Python.

## Course Outline

S. No.	Topic	Hours
1	Python revision	1
2	Web2py/Django Web Application Framework, MVC	1
3	Web2py/Django	12
4	Web/Database Applications In Python : connect, insert, delete, update, view	4
5	Using Python With Internet Services - Sending emails, Transferring files with FTP	2
6	Introduction to XML Programming With Python - Writing XML file, Parsing	2
7	Developing a web application – project	8
	Total Hours	30

## Books Recommended

1. Web2py Application Development Cookbook ,By Pablo Martin Mulone, Mariano Reingart
2. Web2py Complete Reference Manual (5th Edition),By Massimo Di Pierro

## Suggested Evaluation Methods:

Written Exam  
Lab exam  
Project

## Parallel/Similar courses the existing curriculum:

S.No.	Name of the course	Institute where it was offered

Name of Member	Shirish Joshi	Harshad Gune	Vidya Patkar		
Designation	Associate Professor	Associate Professor	Assistant Professor		
Org. / Inst.	SICSR	SICSR	SICSR		

Signature					
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Name of the Expert:

Signature:

Date: