



# Swarnandhra College of Engineering & Technology

Autonomous and recognized under 2(F) and 12(B) by UGC

Recognized by AICTE, permanently affiliated to JNTUK Kakinada

Accredited by NAAC with 'A' Grade (2<sup>nd</sup> Cycle)

Seetharamapuram, Narsapur – 530280 (Andhra Pradesh)

## DEPARTMENT OF INFORMATION TECHNOLOGY

### TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods/Week	Academic Year	Date of commencement
23IT4S01	PYTHON WITH DJANGO (SKILL ENHANCEMENT COURSE)	IV	IT	3	2024-25	16-12-2024

#### COURSE OUTCOMES

1	Design and build static as well as dynamic web pages and interactive web-based applications
2	Web development using Django framework
3	Web development using Django framework.

Experiment Number	Experiment	Contact Hours
1	Write a Python GUI program to import Tkinter package and create a window. Set its title and add a label to the window..	3
2	Write a Python program that designs a simple login form with labels and Entry widgets, arranging them in a grid using the Grid geometry manager.	3
3	Write a program using BeautifulSoup4 library for web scraping for a given URL	3
4	Develop a sample Hello World page using Flask framework	3
5	Develop a sample web page using CherryPy / Web2Py / Bottle Framework	3
6	Create a Sample "Hello World" Application using Django	3
7	Create a Login and Registration Page using MVC architecture in Django Framework	3
8	Create a sample page in Django by integrating BootStrap.	3
9	Create an application with Tables, grids in Django	
10	Create a Django App with Carousels feature.	3







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11	Create a registration page using Authentication System	3
12	Create an application in Django to send emails using email settings and Grid Layout	3
13	Create an application in Django using page restriction / authentication with Login and Logout Functionality	
14	Create a sample form using Django Forms	3
15	Create an app in Django which fetches data from database and show as list and also save objects in database	
16	Create an app in Django for performing CRUD operations on records in a database	
17	Create an app in Django which uses session management and cookies to store and manage user sessions.	
18	Create a website in Django with login, and registration page.	3
19	Register on GitHub, and Heroku and deploy the website on Heroku with all the functionalities developed.	
20	Configure Django to handle static files.	
Cumulative Proposed Periods		39

		Name	Signature with Date
i	Faculty	Mrs.M.Pavani	
ii	Module Coordinator	Mr. ASNV Bhogesh	
iii	Programme Coordinator	Dr.RVVS Prasad	

Principal

