

# **Sri Vasavi Engineering College, Tadepalligudem**

## **APSSDC Program report**

Date: 15-11-2021

**Name of the Department:** ECE

Name of the course/Workshop: Web Development using DJANO

Duration with Dates: 2 WEEKS ECE C SECTION: 6 days from 8-11-2021 to 13-11-2021

### **Resource Persons:**

1. R Sirisha, Mentor, APSSDC
2. T Srikanya Mentor, APSSDC

### **Course Content:**

#### **1. Introduction to Python**

- a. Object-Oriented Programming(Classes,Objects)
- b. Constructors
- c. Inheritance
- d. Python Packages and modules using oop's.

#### **2. Django:**

- a. Introduction to Django
  - b. MVC, MVT,Architecture of Django
  - c. Django Installation
3. Project Creation, APP creation and use of admin app
  4. URL mapping(creation),Dynamic URL mapping,views
  5. Interface between controller(urls.py & views.py) files
  6. Http Request and Responses.
  7. Django Templates
  8. Providing an interface between controller and templates
  9. Static file handling
  10. Data rendering from HTML to views and then views to HTML with example.
  11. Model creation
  12. Migrations, ORM
  13. Model Queries(Django shell)
  14. Superuser Creation(admin part)
  15. Roles of the superuser.
  16. Crud operations, Messages generation
  17. Form Validations
  18. Database Connectivity and Database Migrations with MYSQL
  19. Mail Sending
  20. File Uploading
  21. User Registration & User Authentication
  22. Templates Blocks
  23. User Profile Creation

## Course Overview

The Web development using django is the courses offering by APSSDC , which is very useful in current scenario since Django is a web application framework written in Python programming language. Django is an open-source python web framework used for rapid development, pragmatic, maintainable, clean design, and secures websites. The main goal of the Django framework is to allow developers to focus on components of the application that are new instead of spending time on already developed components. It is fully featured than many other frameworks on the market.

No. of students participated: ECE C - 68

## Photos



