



|| Jai Sri Gurudev ||



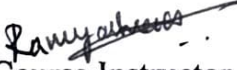
**SRI ADICHUNCHANAGIRI SHIKSHANA TRUST ®
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY,
CHIKKAMAGALURU**

P.B No.91, Adichunchanagiri Extension, Chikkamagaluru-577 102, Karnataka, India.

Circular

Date: 01/02/2024

Department of Information Science & Engineering is conducting a Certificate Program (Add-on Program) on “*Fullstack Development using Django*” from *05/02/2024 to 09/02/2024*. All other HOD’s instruct the students to attend the program. Following faculty member is conducting a certificate program at IS&E Department.


Course Instructor

Ms. Ramyashree C A
Assistant Professor
Dept. of ISE
AIT, Chikkamagalur


Principal Signature

Dr. C.T. JAYADEVA

Principal

B.E., M.Tech., Ph.D

Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577 102

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALUR
DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**

Add-On course -for 8th Semester

Fullstack development using django

Duration: 05/02/2024 – 09/02/2024 (40 hours)

Syllabus

Module 1:

Web framework, MVC Design Pattern, Django Evolution, Views, Mapping URL to Views, Working of Django URL Confs and Loose Coupling, Errors in Django, Wild Card patterns in URLs.

1. Installation of Python, Django and Visual Studio code editors can be demonstrated.
2. Creation of virtual environment, Django project and App should be demonstrated
3. Develop a Django app that displays current date and time in server

Module 2:

Template System Basics, Using Django Template System, Basic Template Tags and Filters, MVT Development Pattern, Template Loading, Template Inheritance, MVT Development Pattern.

1. Develop a simple Django app that displays an unordered list of fruits and ordered list of selected students for an event
2. Develop a layout.html with a suitable header (containing navigation menu) and footer with copyright and developer information. Inherit this layout.html and create
- 3 additional pages: contact us, About Us and Home page of any website.

Module 3:

Activating Admin Interfaces, Using Admin Interfaces, Customizing Admin Interfaces, Reasons to use Admin Interfaces. Form Processing, Creating Feedback forms, Form submissions, custom validation, creating Model Forms, URLConf Ticks, Including Other URLConfs.

1. For student and course models created in Lab experiment for Module2, register admin interfaces, perform migrations and illustrate data entry through admin forms.
2. Develop a Model form for student that contains his topic chosen for project, languages used and duration with a model called project

Course Outcomes

1. Define the importance of Fullstack development using django framework.
2. Understanding basics of Django framework Understand the working of MVT based full stack web development with Django.
3. Analyze the role of Template Inheritance and Generic views for developing full stack web applications.

Text Books:

1. Adrian Holovaty, Jacob Kaplan Moss, The Definitive Guide to Django: Web Development Done Right, Second Edition, Springer-Verlag Berlin and Heidelberg GmbH & Co. KG Publishers, 2009
2. Jonathan Hayward, Django Java Script Integration: AJAX and jQuery, First Edition, Pack Publishing, 2011

Websites:

1. MVT architecture with Django: <https://freevideolectures.com/course/3700/django-tutorials>
2. Using Python in Django: <https://www.youtube.com/watch?v=2BqoLiMT3Ao>
3. Model Forms with Django: <https://www.youtube.com/watch?v=gMM1rtTwKxE>



Instructor's Signature



HOD's Signature



List of Students enrolled for
Add-On Course "Fullstack Development using Django"
 From **05/02/2024 to 09/02/2024** at IS & E Department

Sl.No.	USN	Name of the Candidates	Signature
1	4AI20IS001	AISHWARYA SRINIVAS C	<i>Aishwarya</i>
2	4AI20IS002	AMULYA K R	<i>Amulya</i>
3	4AI20IS003	AMULYA M P	<i>Amulya</i>
4	4AI20IS004	ANANYA L S	<i>Ananya L.S.</i>
5	4AI20IS005	ANANYA S	<i>Ananya</i>
6	4AI20IS006	ANKITHA MOHAN	<i>Ankitha</i>
7	4AI20IS007	ASHISH N U	<i>Ashish N.U</i>
8	4AI20IS008	BHAVANA H R	<i>Bhavana</i>
9	4AI20IS009	BHAVANA V	<i>Bhavana</i>
10	4AI20IS010	BINDU C N	<i>Bindu</i>
11	4AI20IS011	CHANDRASHEKAR	<i>Chandrashekar</i>
12	4AI20IS012	CETHAN B L	<i>Chethan</i>
13	4AI20IS013	CHITHRA D RAO	<i>Chitra</i>
14	4AI20IS014	DEEPAK P D	<i>Deepak P.D.</i>
15	4AI20IS015	DEEPIKA L K	<i>Deepika</i>
16	4AI20IS016	DILEEP KUMAR L J	<i>Dileep</i>
17	4AI20IS017	HIMA B C	<i>Hima</i>
18	4AI20IS018	IBBANI C S	<i>Ibbani C.S.</i>
19	4AI20IS019	IMPANA M K	<i>Impana</i>
20	4AI20IS020	IRFAN A	<i>Irfan</i>
21	4AI20IS021	JAYASHREE L	<i>Jayashree</i>
22	4AI20IS022	KARTHIK K G	<i>Karthik K.G.</i>
23	4AI20IS023	KAVYA H L	<i>Kavya</i>

24	4AI20IS024	KISHAN D R	Kishan
25	4AI20IS025	LIKITHA C M	Likitha CM
26	4AI20IS026	M SNEHA	Sneha
27	4AI20IS027	MANASWINI A M	Manaswini
28	4AI20IS028	MOHAMMED ADNAN HAFEEZ	
29	4AI20IS029	MONIKA C J	Monika
30	4AI20IS030	N S LIKITHA	N S Likitha
31	4AI20IS031	NISARGA B D	Nisarga
32	4AI20IS032	NISARGA B R	Nisarga B R
33	4AI20IS033	NISARGA G	Nisarga G
34	4AI20IS034	PALLAVI L J	Pallavi
35	4AI20IS035	PAVITHRA B	Pavithra
36	4AI20IS036	POOJA B K	Pooja B K
37	4AI20IS037	POOJA H Y	Pooja
38	4AI20IS038	PRANAV K R	Pranav
39	4AI20IS039	PRANCHANA S S	Pranchana
40	4AI20IS040	PRAPTHI S	Prapthi
41	4AI20IS041	PREKSHITHA V K	Prekshitha
42	4AI20IS042	PRERANA A	Prerana
43	4AI20IS043	PRIYA E T	Priya
44	4AI20IS044	RACHANA T R	Rachana T R
45	4AI20IS045	SATHVIK P M	Sathvik
46	4AI20IS046	SHAMA D U	Shama
47	4AI20IS047	SINCHANA N S	Sinchana N S
48	4AI20IS048	SNEHA L N	Sneha
49	4AI20IS049	SOMASHEKAR G P	Somashekar
50	4AI20IS050	SPANDANA M S	Spandana M S
51	4AI20IS051	SPOORTHI N S	Spoorthi
52	4AI20IS052	SRUJANA MARY S A	Srujana
53	4AI20IS053	SUJAN J	Sujan

54	4AI20IS054	SUJAY H C	Sujay H. C
55	4AI20IS055	SUMANGALA K	Sumangala
56	4AI20IS056	SURAKSHA H P	Suraksha H P
57	4AI20IS057	SWATHI L D	Swathi L D
58	4AI20IS058	UTSAV M U	Utsav. M. U.
59	4AI20IS059	VAISHNAVI A S	Vaishnavi. A. S.
60	4AI20IS060	VAISHNAVI B PURANIK	Vaishnavi. B. Puranik
61	4AI20IS061	VARSHA B H	Varsha B. H.
62	4AI20IS062	VEEKSHA K R	Vaeksha. K. R.
63	4AI20IS063	VIDYASHREE M E	Vidyaashree M. E.
64	4AI21IS400	NIKITHA DAS	Nikitha Das

~~Ramyashree C A~~
Ramyashree C A

Course Co-ordinator

~~Dr. S. Sampath~~
Dr. S. Sampath

HOD -IS&E Dept, AIT

04/2/24

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU-577102
DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

ADD-ON Course – Fullstack Development Using Django
Attendance Report

Session 1 = 9.00 am – 1.00 pm; Session 2 = 1.30 pm – 5.30 pm

S N O	USN	Student Name	05/02/2024		06/02/2024		07/02/2024		08/02/2024		09/02/2024		Signature
			Session-1	Session-2	Session-1	Session-2	Session-1	Session-2	Session-1	Session-2	Session-1	Session-2	
1	4AI20IS001	AISHWARYA SRINIVAS C	P	P	P	P	A	P	A	P	A	P	<i>Aishwarya</i>
2	4AI20IS002	AMULYA K R	P	P	A	P	A	P	A	P	P	P	<i>Amulya</i>
3	4AI20IS003	AMULYA M P	P	P	P	P	P	A	P	P	P	P	<i>Amulya</i>
4	4AI20IS004	ANANYA L S	A	P	P	P	P	P	P	P	P	P	<i>Ananya</i>
5	4AI20IS005	ANANYA S	P	A	P	A	P	P	A	P	A	P	<i>Ananya</i>
6	4AI20IS006	ANKITHA MOHAN	A	P	A	P	A	P	P	P	P	P	<i>Ankitha</i>
7	4AI20IS007	ASHISH N U	P	P	P	P	P	P	A	P	P	P	<i>Ashish</i>
8	4AI20IS008	BHAVANA H R	P	P	P	P	P	P	P	P	P	P	<i>Bhavana</i>
9	4AI20IS009	BHAVANA V	A	A	A	A	P	P	P	P	A	P	<i>Bhavana</i>
10	4AI20IS010	BINDU C N	P	P	A	P	A	P	P	P	P	P	<i>Bindu</i>
11	4AI20IS011	CHANDRASHEKA R	P	P	A	A	P	P	A	P	P	P	<i>Chandrashekar</i>
12	4AI20IS012	CHEZHAN B L	A	A	P	P	A	P	P	P	A	P	<i>Chethan</i>
13	4AI20IS013	CHITHRA D RAO	A	A	P	P	P	P	P	A	P	P	<i>Chithra</i>
14	4AI20IS014	DEEPAK P D	P	P	P	A	P	A	P	P	P	P	<i>Deepak</i>
15	4AI20IS015	DEEPIKA L K	P	P	P	P	A	P	P	P	A	P	<i>Deepika</i>

Summary Report

The course "Fullstack Development using Django" was conducted at IS&E Dept for the final year students from **05/02/2024 to 09/02/2024**.

During the course, students will understand the core principles of Django, focusing on the MVC and MVT design patterns used in web development. They will learn to create and manage Django projects, map URLs to views, and handle errors. Students will gain hands-on experience with the Django template system, creating dynamic web pages using template tags and inheritance. They will also learn how to work with Django's admin interface for model management and perform form processing, including custom validation and model forms. Real-world applications include building web apps, handling data, and designing interactive forms.

Course Outcomes

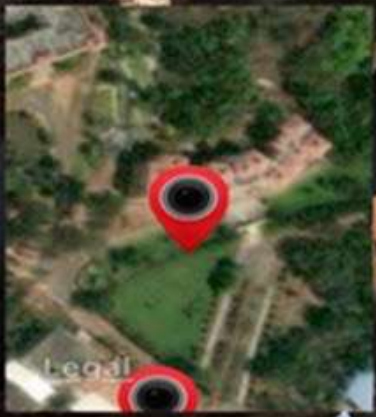
1. Define the importance of Fullstack development using django framework.
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3. Analyze the role of Template Inheritance and Generic views for developing full stack web applications.


Instructor's Signature


HOD's Signature 9/2/24



Beekanahalli (Rural), Chikkamagaluru, Karnataka, India.
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Chikkamagaluru, Karnataka, India, 577101
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