

**SHARNBASVA UNIVERSITY**  
**FACULTY OF ENGINEERING AND**  
**TECHNOLOGY (EXCLUSIVELY FOR**  
**WOMEN)**



**REPORT**  
**CERTIFICATE COURSE**  
**IN**  
**“EMERGING TECHNOLOGIES IN**  
**COMPUTER SCIENCE”**

**2023-2024**

INDEX FOR CERTIFICATE COURSE 2023-24

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**Certificate course**  
**ON**  
**EMERGING TECHNOLOGIES IN**  
**COMPUTER SCIENCE**

**[30<sup>th</sup> JAN 2024 -14<sup>th</sup> FEB 2024]**

**Organized By:**  
**DEPARTMENT OF COMPUTER SCIENCE,**  
**FACULTY OF ENGINEERING & TECHNOLOGY**  
**(Exclusively for Women)**  
**SHARNBASVA UNIVERSITY**  
**Kalaburgi-585103, Karnataka**  
**Tel.ph.08472-278144**  
**E-mail:sufetw@gmail.com**  
**Website: [www.sharnbasvauniversity.edu.in](http://www.sharnbasvauniversity.edu.in)**

**SHARNBASVA UNIVERSITY**  
**FACULTY OF ENGINEERING AND TECHNOLOGY (EXCLUSIVELY**  
**FOR WOMEN)**  
**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**

**CERTIFICATE COURSE**  
**“EMERGING TECHNOLOGIES IN COMPUTER SCIENCE”**

Organized by Department of Computer Science

From 30<sup>th</sup> Jan. 2024 to 15<sup>th</sup> Feb. 2024

Inauguration

ON 30<sup>th</sup> Jan 2024

**Our spiritual Grace & Inspiration**

**Lingaikya Poojya Dodappa Appa**

7<sup>th</sup> Mahadasohi Peetadhipati Sharnbasveshwar Samsthan  
Sharnbasveshwar Vidya Vardhak Sangha, Kalaburgi

**Matoshree Godutai Appa**

Sharnbasveshwar Samsthan, kalaburagi

**CHIEF PATRON**

In the divine presence & benign blessings of his Holiness

**Poojya Dr. Sharnbasawappa Appa**

Mahadasoha Peethadhipati Sharnbasveshwar Samsthan  
President, Sharnbasveshwar Vidya Vardhak Sangha, Kalaburgi  
Chancellor, Sharnbasva University, Kalaburgi

**PATRONS**

**Matoshree Dr. Dakshayni S. Appa**

Member BOG, Sharnbasva University, Kalaburgi  
Chairperson, Sharnbasveshwar Vidya Vardhak Sangha, Kalaburgi

**Sri. Basavaraj Deshmukh**

Member BOG, Sharnbasva University, Kalaburgi  
Secreatry, Sharnbasveshwar Vidya Vardhak Sangha, Kalaburgi

## **ADVISORY COMMITTEE**

**Dr. Niranjan Nisty**

Vice-Chancellor, Sharnbasva University, Kalaburgi

**Shri. N.S.Devarkal**

Vice-Chancellor, Sharnbasva University, Kalaburgi

**Dr. V.D. Mytri**

Pro. Vice-Chancellor, Sharnbasva University, Kalaburgi

**Dr. Anilkumar G.Bidve**

Registrar, Sharnbasva University, Kalaburgi

**Dr. Basavaraj S.Mathpati**

Registrar(Evaluation), Sharnbasva University, Kalaburgi

## **CONVENER**

**Dr.Lakshmi Patil**

Dean, Sharnbasva University, Kalaburagi

## **CO-CONVENERS**

**Dr. Shivleela Patil**

Professor, Department of CSE, FETW, SUK

**Dr. Sujata Mallapur**

Professor, Department of CSE, FETW, SUK

## **COORDINATORS**

**Prof. Priyadarshini Patil, Asst. Prof, Dept. of CSE, FETW, SUK**

**Prof. Shruti S.D, Asst. Prof, Dept. of CSE, FETW, SUK**

## **Registration form**

### **Certificate Course on “EMERGING TECHNOLOGIES IN COMPUTER SCIENCE” [30<sup>th</sup> Jan. -14<sup>th</sup> Feb. 2024]**

**Name:** Prof./Dr./Mr./Mrs./Ms. \_\_\_\_\_

**Date of Birth:** \_\_\_\_\_

**Gender:** Male/Female

**Class, Sec.:** \_\_\_\_\_

**Institute/Organization:** \_\_\_\_\_

**Address for communication:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**Tel.:** \_\_\_\_\_ **(M):** \_\_\_\_\_

**City/State:** \_\_\_\_\_

**E-Mail:** \_\_\_\_\_

#### **Registration Fee Details:**

**DD.NO. :** \_\_\_\_\_ **Amount:** \_\_\_\_\_

**Dated:** \_\_\_\_\_ **Bank:** \_\_\_\_\_

**Branch:** \_\_\_\_\_ **Place:** \_\_\_\_\_

**Cash:** \_\_\_\_\_

\_\_\_\_\_  
**Chairperson**

\_\_\_\_\_  
**Signature(participant)**

**SHARNBASVA UNIVERSITY**  
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**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**  
**VALUE ADDED COURSE STUDENT LIST 2023-24**

Sl No.	USN	Name
1	SW21CSE001	AISHWARYA
2	SW21CSE002	AMATUSH SHUKOOR RANA
3	SW21CSE003	AMBIK. A
4	SW21CSE004	AMIKA P. S
5	SW21CSE005	ANKITA
6	SW21CSE006	ANURADHA YADAV
7	SW21CSE007	APOORVA
8	SW21CSE008	ARPITA
9	SW21CSE009	ASHWINI
10	SW21CSE010	ASHWINI
11	SW21CSE011	ASHWINI PATIL
12	SW21CSE012	ATIYA NISHAT
13	SW21CSE013	AYESHA ANJUM
14	SW21CSE014	AYESHA BEGUM
15	SW21CSE015	AYESHA MIRZA
16	SW21CSE016	BASAVARATNA
17	SW21CSE017	BEBI KAJAL
18	SW21CSE018	BHAGHYASHREE S PATIL
19	SW21CSE019	BHAGHYLAXMI
20	SW21CSE020	BHAGHYASHREE
21	SW21CSE021	BHAGHYASHREE
22	SW21CSE022	BHAGHYASHREE
23	SW21CSE023	BHAGHYASHREE
24	SW21CSE024	BHAGHYASHREE
25	SW21CSE025	BHAGHYASHREE
26	SW21CSE026	BHAGHYASHREE B GOBBUR
27	SW21CSE027	BHAKTI S SAHIJ
28	SW21CSE028	BHOOMIKA YELASANGI
29	SW21CSE029	BHUMIKA
30	SW21CSE030	BHUMIKA
31	SW21CSE031	CHINMITA
32	SW21CSE032	DAKSHAYANI
33	SW21CSE033	DEEPIKA
34	SW21CSE034	DEVIKA HAMILPURE
35	SW21CSE035	FAIZA SADAF
36	SW21CSE036	FARHEEN BANU
37	SW21CSE037	FIRDOSH BEGUM
38	SW21CSE038	GAYATRI
39	SW21CSE039	GURUDEVI
40	SW21CSE040	GURUSHANTAMMA
41	SW21CSE041	HAFSA FIRDOUS
42	SW21CSE042	HAJRA ERAM BAGBAN
43	SW21CSE043	HARIPRIYA
44	SW21CSE044	KANAK S GARG

45	SW21CSE045	KAVERI
46	SW21CSE046	KAVYA
47	SW21CSE047	KEERTI
48	SW21CSE048	KISTAPURAM NIKHITHA
49	SW21CSE049	LAXMI PATIL
50	SW21CSE050	LIDYA SIMON MITHRE
51	SW21CSE051	MAHALAXMI
52	SW21CSE052	MANISHA
53	SW21CSE053	MITTA PRANAVI
54	SW21CSE054	NETRA
55	SW21CSE055	NIKHAT FATIMA
56	SW21CSE056	NIKITA
57	SW21CSE057	NISARGA
58	SW21CSE058	NIVEDITA M
59	SW21CSE059	PALLAVI M TALWAR
60	SW18CSE020	BHUMIKA R M
61	SW22CSE500	KAVERI SHIVANAND BIRADAR
62	SW22CSE501	SHALINI
63	SW22CSE503	SYEDA KHATIJA NAAZ
64	SW22CSE504	TRISHA K
65	SW22CSE505	YOGITA



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**VALUE ADDED COURSE STUDENT LIST 2023-2024**

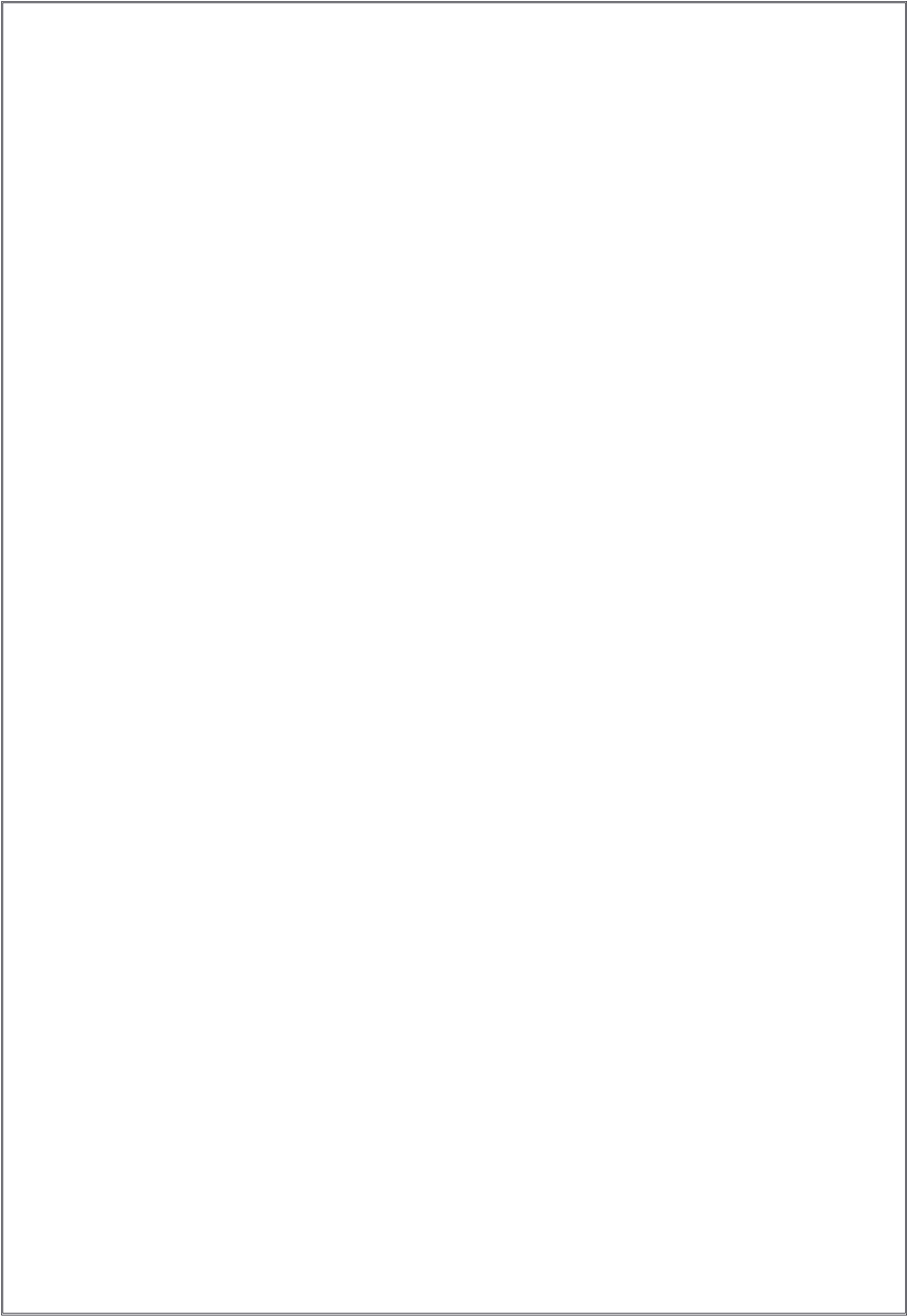
**NOTICE**

**Date:**

All the 5<sup>th</sup> Sem B.Tech students are hereby informed to enroll your name for the certificate course of **“EMERGING TECHNOLOGIES IN COMPUTER SCIENCE”** to be conducted by the Department of Computer Science & Engineering from 30<sup>th</sup> -14<sup>th</sup> Feb. 2024

For more details contact Prof. Priyadarshini Patil, Shruti S.D, Faculty of Engineering and Technology (Ex-Women), Department of Computer Science & Engineering.

**Head of the Department**



<b>EMERGING TECHNOLOGIES IN COMPUTER SCIENCE</b>	
<b>Subject Code</b>	
<b>Number of Lecture Hours/Day</b>	2 hours
<b>Total Number of Lecture Hours</b>	30 hours
<b>Course Objectives:</b>	
1. Understand the basic concepts of Cloud. 2. Understand various Virtual Environment, AWS. 3. Understand threading concepts using cloud. 4. Solve real world problems through Cloud implementation, Map-reduce programming . 5. Understand the basics of Django.	
<b>Module I</b>	<b>Teaching Hours</b>
Introduction To Cloud computing	4 HOURS
<b>Module II</b>	
Concepts on virtualization	9 HOURS
<b>Module III</b>	
Introduction to threading	5 HOURS
<b>Module IV</b>	
Working on Map-reduce programming	4 HOURS
<b>Module V</b>	
Basics Introduction to Django	8 HOURS

<b>CO#</b>	<b>Course Outcomes</b>
1.	Create Virtual environment.
2.	Appreciate the importance of threading.
3.	Understand the working on Map-reduce programming.
4.	Learn to apply the knowledge on types of clouds, resource allocation, and utilization.
5.	Learn to apply concepts on Django to solve the real world problems.

	<b>P O 1</b>	<b>PO 2</b>	<b>PO3</b>	<b>PO 4</b>	<b>PO 5</b>	<b>PO 6</b>	<b>PO 7</b>	<b>PO 8</b>	<b>PO 9</b>	<b>PO1 0</b>	<b>PO 11</b>	<b>PO 12</b>	<b>PS O 1</b>	<b>PSO 2</b>	<b>PS O3</b>
<b>CO1</b>	1	1	3		3		1	-	-	-	-	-	1	1	-
<b>CO2</b>	1	2	3		3		1	-	-	-	-	-	2	1	-
<b>CO3</b>	1	1	3		2		1	-	-	-	-	-	1	1	-
<b>CO4</b>	1	2	3		3		1	-	-	-	-	-	2	1	-
<b>CO5</b>	1	1	3		3		1	-	-	-	-	-	1	1	-
<b>AVG</b>	1	1.4	3		2.8		1						2	1	

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**VALUE ADDED COURSE STUDENT LIST 2023-2024**

**SCHEDULE FOR THE WORKSHOP**

**DAY 1:30/01/2024**

Timings: 10:00 AM - 01:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Introduction To Clouds.	3 Hours

**DAY 2:31/02/2024**

Timings: 10:00 AM - 01:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Types of clouds	3 Hours

**DAY 3:01/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Importance of virtualization.	2 Hours

**DAY 4:02/02/2024**

Timings: 10:00 AM - 05:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Introduction to Django	2 Hours

**DAY 5:03/02/2024**

Timings: 10:00 AM - 05:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Working with VM Ware Virtualization	2 Hours

**DAY 6: 04/02/2024**

Timings: 10:00 AM - 05:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Working with Virtual Machine	2 Hours

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**CERTIFICATE COURSE 2023-2024**

**SCHEDULE FOR THE EVENT**

**DAY 1:30/01/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Introduction To Clouds.	2 Hours

**DAY 2:31/01/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Types of clouds	2 Hours

**DAY 3:01/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Importance of virtualization.	2 Hours

**DAY 4:02/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Creating virtual Environment	2 Hours

**DAY 5:03/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Working with VM Ware Virtualization	2 Hours

**DAY 6: 04/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Working with Virtual Machine	2 Hours

**DAY 7: 06/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Working with Virtual Machine	1 Hours
2	Introduction to threading	1 Hours

**DAY 8: 07/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Implementation o threading	2 Hours

**DAY 9: 08/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Implementing threading with multiple threads	2 Hours

**DAY 10: 09/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Introduction to Map-reduce programming	2 Hours

**DAY 11: 10/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Working with Map-reduce Programming	2 Hours

**DAY 12: 11/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Introduction to Django	2 Hours

**DAY 13: 13/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Installation of python, Django	2 Hours

**DAY 14: 14/02/2024**

Timings: 10:00 AM - 12:00 PM

SL.NO	EVENT DESCRIPTION	DURATION
1	Creating App using Django, Creation of html forms, Creating projects using Django framework	4 Hours