

ZEAL EDUCATION SOCIETY'S ZEAL COLLEGE OF ENGINEERING AND RESEARCH NARHE | PUNE -41 | INDIA



Record No.: **ZCOER-ACAD/R/15**

Revision: 00

Date: 01/04/2021

SE Project Based Learning Topic Finalization

Department: AI & DS

Semester: II

Academic Year: 2021 -2022

Date:17-01-2022

Sr. No.	Group ID	Roll No.	Name of Student	Name of the guide	Topic Name	
1		S1411033	Kshirsagar Aniket Balasaheb			
2	1	S1411032	Kondhalkar Omkar Someshwar	Dr. S. A. Ubale	Pedestrian Detection using	
3	1	S1411048	Patil Aditya Tanaji	(8605705655)	OpenCV-Python	
4		S1411040	Shravani Mane			
5		S1411039	Rohit Bhavarlal Malviya			
6	2	S1411005	Nandan Bharate	Dr. S. A. Ubale (8605705655)	Photo Editor Using Python	
7		S1411066	Aaditya Rahul Wadodkar	,		
8		S1411073	Hubale Avinash Ramchandra			
9	3 \$1411070		Bhosale Girish Pandurang	Prof. A. S. Garande	Convert Text To Speech	
10	3	S1411077	Nehe Ganesh Ravsaheb	1101. A. S. Garande	convent react to specen	
11		S1411071	Walunjkar Avdhoot Prakash			
12		S1411052	Pawar Yash Prashant	[q	Image Editor Using Python, Javascript & Eel	
13		S1411047	Pagare Devika Prashant	Prof. S. S. Vanjire		
- 14	4	S1411068	Yehalegaonkar Sanchi	Fior. S. S. vanjne		
15		S1411063	Sonone Amisha Sanjay			
16		S1411007	Borkar Shreyash Sanjiv			
17] _	S1411006	Bhujbal Hrushikesh Balu	Prof. A. S. Garande	Image Recognision and	
18	5	S1411002	Antapurkar Mokshad Prashant	1101. A. S. Garando	Prediction	
19		S1411028	Khaire Radhesh Sandeep			
20		S1411054	Phadtare Prathamesh Pradip			
21		S1411030	Kolhe Prarthana Mahendra	Dr. S. A. Ubale	Amazon Sentiment Analysis	
22	6	S1411027	Kamble Mitali Parshuram	(8605705655)		
23		S1411026	Kalbhor Srushti Harshad	1	10.00	

Sr. No.	Group ID	Roll No.	Name of Student	Name of the guide	Topic Name	
24		S1411036	Lokhande Priya Dhuldas			
25	7	S1411016	Gade Jagruti Ramesh	Darf C C Vaniina	Driver Drowsiness Detection	
26	/	S1411074	Jadhav Anish Santosh	Prof. S. S. Vanjire	System With Open CV	
27		S1411069	Sherigar Ayush Vasant			
28		S1411018	Mrunaal Mahesh Gathe			
29	8	S1411031	Prathmesh Sachin Koli	Prof. A. S. Garande	Image-Encryption-using-AES-	
30	o	S1411011	Samarth Chincholkar	Prof. A. S. Garande	master python	
31	1 21	S1411038	Jay Madchetti			
32		S1411009	Bramhane Mihir Vinod			
33	9	S1411008	Borse Mugdha Sanjay	Prof. S. S. Vanjire	Chatbot	
34	9	S1411010	Chaudhari Manish Madhukar	Fior. S. S. vanjine	Chatoot	
35		S1411001	Aher Pratik Kailas			
36		S1411020	Gurav Siddhi Shantanu			
37	10	S1411021	Haldule Atharva Abhay	Prof. A. S. Garande	Cartoonify an Image with OpenCV in Python	
38		S1411017	Ghadve Manish Mahesh			
39		S1411022	Jadhav Shubham	Prof. A. S. Garande	Virtual Assistant Using Python	
40	11	S1411034	Lingayat Shubham Shivaji			
41] 11	S1411055	Powar Sonali Sanjay	Tion in S. Garando		
42		S1411058	Sawant Tejas Sadashiv			
43		S1411019	Manoj Vilas Gujare			
44	12	S1411051	Shivam Sanjay Patil	Prof. A. S. Garande	Alexa Using Python	
45	12	S1411029	Kundan Pratap Khudkhude	1101. A. S. Garando	Titella Comg I y anon	
46		S1411041	Prabhat Pradip Manna			
47		S1411043	Abrar Ahmed Rizwan Mungi			
48	12	S1411061	Rakesh Anand Shetty	Prof. S. S. Vanjire	Fake News	
49	13	S1411015	Onkar Futane	1101. 5. 5. 7 413.10	Analysis/Detection Project	
50		s1411042	Gaurang Mhatre			
51		S1411003	Bendre Dinesh Vivek	and a second and a second		
52	1.4	S1411004	Bhandare Hansika Nivas	Prof. A. S. Garande	Chess Engine using AI	
53	14	S1411023	Jain Aashika Anant	3/3///=	13	
54		S1411049	Patil Kaushik Subhash		**	

Sr. No.	Group ID	Roll No.	Name of Student	Name of the guide	Topic Name	
55		S1411012	Aakash Dabhade			
56	15	S1411053	Pawaskar Mohit Santosh	Prof. A. S. Garande	Face Recognition using	
57	13	S1411060	Kawnain Shaikh	Fior. A. S. Garande	Python	
58		S1411065	Makrand Vaydande			
59		S1411013	Rasika Santosh Deshmukh			
60	16	S1411014	Prateek Chandrakant Dhole	Dr. S. A. Ubale	Tibon data analysis	
61	16	S1411045	Vaishnavi Ramesh Narawade	(8605705655)	Uber data analysis	
62		S1411059	Fatru Shaikh			
63		S1411057	Pranav Jitendra Rathod			
64	17	S1411075	Mayuri Mohan Jagatap	Dr. S. A. Ubale	WORD FREQUENCY COUNTER USING PYTHON	
65	17	S1411072	Divya Rajendra Deore	(8605705655)		
66		S1411076	Sujal Sandeep Khopade	×		
67		S1411044	Aakash Sameer Naralkar		Real-Time Emotion Detection OpenCV using Python	
68	10	S1411056	Abhay Rathod	Prof. S. S. Vanjire		
69	18	S1411064	Isha Tadas	Fior. S. S. vanjine		
70		S1411050	Kushank Patil			
71		S1411025	Suraj Jorwar			
72	19	S1411037	Suraj Lokhande	Prof. A. S. Garande	Gold Price Prediction	
73		S1411035	Prathamesh Lohar			
74		S1411024	Suraj Ramesh Jawalkar			
75	1	S1411046	Amit Ashok Narute	Prof. S. S. Vanjire	Hotel Kitchen Management	
76	20	S1411067	Chaitanya Yadav	1 101, 5, 5, vanjile	System	
77		S1411062	Abhishek Singh			

Frankly

Prof. Seema Vanjire PBL Coordinator



Dr. S. A. Ubale
Artificial intelligance and
Data Science Department
Zeal College of Engineering
And Research

Roll No.: S/4/1033



Exam. Seat No.: 519053204

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Aniket Balasaheb Kahinsagan

has successfully completed the termwork in

Subject Project Based Learning

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2072

Sem. IV

Date: 14-5-2022

Staff Member



Head of Department and Data Science and Engineering



Exam. Seat No.: S1905320

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss onlove Soneshwer konalhallow

has successfully completed the termwork in

Subject Poroject bieded leavening.

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2020

Sem. IV.

Date: 19-05-2022

Staff Member

Science * O

Head of Department Artificial Intelligance and Data Science Department

Roll No.: Styllou8



Exam. Seat No.: 5190532061

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Aditya	Tanaji	Pati)
has success	fully comp	pleted the termwork in
Subject Project	based	leamina
		ribai Phula Puna University

during the academic year 2021 - 2022

Sem. IV

Date: 14/05/2022

Staff Member



Artificial Intelligance and
Date Science Department
The College of Engineering
Head of Penartment

Roll No.: \$14 | 1040



Exam. Seat No.: 519053205

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

1411./141199	3 nrovanj	Jaajesn	lane	
has	s successfully c	ompleted th	e termwork in	
/	4 1			

Subject Project bowed Learning

Characte Bart

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. <u>W</u>

Date: 14 /5/ 2022

Staff Member



Head of Department

Data Schlege of Englishering



Exam. Seat No.: \$ (9053 2050

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Rohit Bhovarlal Malviya

has successfully completed the termwork in

Subject Projectbalearning (PBL)

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. IV

Date: 14 5 2022

Staff Member



HOD
Headroff Department July College of Engineering

Roll No.: \$1411005



Exam. Seat No.: \$ 190532009

Zeal Education Society's

ZEAL COLLEGE OF ENGINEERING & RESEARCH

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune - 411041.

www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. Ms. Nandan L. Bharate

has successfully completed the teamwork in

Subject Project Base Learning

as per syllabus of the Savitribai Phule Pune University

during the academic year 2021 - 2022

Sem. IV

Date: 14/5/22

Staff Member



Artificial Intelligance and Data Science Department Zeaf College of Engineering Head of Departments

Roll No.: \$1411066



Exam. Seat No.: \$190532075

Zeal Education Society's

ZEAL COLLEGE OF ENGINEERING & RESEARCH

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune - 411041.

www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Ms. Aaditya Robyl Wadodkar

has successfully completed the teamwork in

Subject Project Based Learning

as per syllabus of the Savitribai Phule Pune University

during the academic year 2021 - 2022

Sem. TV

Date: 14/5/22

Staff Member

Je,

Head of Departing

Artificial Intelligance and
Data Scient Department

Zeal College of Engineering And Research

Exam. Seat No.: 5 | 90532010



Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss _	agresh	P.	Bhosale.	
has s	uccessfully con	nplete	d the termwork in	

Subject PBL - II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. IV

Date: 24/05/2022

Staff Member



HOD

Head of Departmentent
Zeal College of Peering

Roll No.: S141077



Exam. Seat No.: \$190532059

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss _	agmosh	Ravsaheb	Nehe.
has s	successfully comp	oleted the termwork	in in
Subject	PBL-II		
		ribai Phule Pune Unic year 20	

Sem. TV

Date: 24/05/2022

Staff Member



HOD
Headtof Departmentment
Data Scie Partmentment
Zeal College of Engineering

And Pescarci

Roll No.: S141071

Exam. Seat No.: \$ 190532006



Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	Aydhoot	P.	Walungkar.
_	11-11-1		

has successfully completed the termwork in

Subject	PBL- II
_	

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. IV

Date: 24/05/2022.

Staff Member



HOD
Artificial Intelligance and
Hoad of Departmentent
Zeal College of Engineering
And Research



Exam. Seat No.: 519053 201

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Jagruti Gade Mr./Miss

has successfully completed the termwork in

Pbl logbook Subject

as per syllabus of the Savitribai Phule Pune University during the academic year 20

Sem. IV

Date:

Staff Member



Exam. Seat No.: 519053260

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No.39, Narhe, Pune 411041.
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./ Mis s_	Anish	Jadhav	

has successfully completed the termwork in

Subject Pb2 109600k

as per syllabus of the Savitribai Phule Pune University during the academic year 20 - 20

Sem. III

Date:

Staff Member



Head of Department
Artificial Intelligance and
Data Science Department



Exam. Seat No.: \$19053207

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss	Ayush	Sherigar	
	J	U	

has successfully completed the termwork in

Subject_	PbL	logback	
Subject_	MPP	16gbesk	

as per syllabus of the Savitribai Phule Pune University during the academic year 20 - 20

Sem. V

Date:

Staff Member



Head of Department
Data Science Department

Roll No.: 514110 \&



Exam. Seat No.: 5190532025

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Mis	s torum	aal	19.	Gathe	
ha	s successfully	comple	ted the	termwork in	
Subject _	11 - 1019	_			
	villahua af tha	Corritrib	oi Dhu	le Dune I Iniver	sity

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem.

Date: 24/05/2022.

Staff Member

3=

Head of Department
Artificial Intelligance and

Data Science Department

Zeal College of Engineering And Research



Exam. Seat No.: \$19053206:

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Prathmesh S. Koli

has successfully completed the termwork in

Subject PBL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. IV

Date: 24/05/2022.

Staff Member



Head of Department

eal College of Engineering
And Research

Roll No.: 514-110 11



Exam. Seat No.: \$1905320 6

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	Samarth	5.	charolkar.
/			

has successfully completed the termwork in

Subject	PBL-II	
---------	--------	--

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem.

Date: 24/05/2022

Staff Member



Head of Department

Artificial Intelligance and

Zeal College of Engineering And Research



Exam. Seat No.: 519053204

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss _	Jay	P.	Madchetti
has s	successfull	y comp	leted the termwork in
Subject	DBT-1		
as per syll d	abus of the	e Savitr icademi	ibai Phule Pune University c year 2021 - 2022

Sem. TV

Date: 24/05/2022

Staff Member



Head of Departments and Artificial Science Department Data Science Department



Exam. Seat No.: \$ 1905320

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Mitir Vined Brantane

has successfully completed the termwork in

Subject PRL- II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. TV

Date: 24-05-2022

35

Staff Member



Artificial inclinance and Data Scie Department.

Zeal College of Engineering Head And Department

Roll No.: \$1411008



Exam. Seat No.: \$190532012

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss_	Muadha	Soniay	Borse	
1	8	9 4		

has successfully completed the termwork in

Subject PBL-

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. TV

Date: 24-05-2022

Staff Member



HOD
Head of Department
Data Science Department
Zeal College of Engineering



Exam. Seat No.: \$19053201

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Manish Madhykar Chaudhari

has successfully completed the termwork in

Subject PBL- TT

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. IV

Date: 24-05-2022

Staff Member



Head of Department artment
Data Science of Engineering



Exam. Seat No.: \$19053 2002

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No.39, Narhe, Pune 411041.
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./M	SS	Pratik	_k(ul as		Aher	
	has s	uccessfull	à co:	mpleted	l th	e termwork i	:1
Subject		PBL-II				•	

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. TV

Date: 24-05-2022



Head of DCD artment
Data Science Department
Zeal College of Engineering
And Research

Roll No.: 5/4/1020



Exam. Seat No.: \$19053202

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss _	Spelche	5.	Gurav	
has s	uccessfully con	npleted	the termwork in	
Subject	bBT-II	-		
as per sylla du	abus of the Sav uring the acade	ritribai F mic yea	Phule Pune Univer	sity

Sem.

Date: 24/05/2022.

Staff Member



Head of Department Artificial Manager Department Data Science Department Data Science Department



Exam. Seat No.: **519053 20** L

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Athorna A. Haldule.

has successfully completed the termwork in

Subject PBL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem.

Date: 24/05/2022.

Staff Member



Head of Departmented
Artificial Department
Data Science Department
Tollings of Engineering



Exam. Seat No.: \$19053202

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Mjss	mangeh	161.	Gadhave	
has	successfully con	mpleted	the termwork in	
Subject	DBL-II			

as per syllabus of the Savitribai Phule Pune University during the academic year 202) - 2022

Sem. ______.

Date: 24/05/2022

Staff Member



Head of Department and Artificial Intelligence Department



Exam. Seat No.: <19053207

Zeal Education Society's

ZEAL COLLEGE OF **ENGINEERING & RESEARCH**

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune - 411041.

www.zealeducation.com

CERTIFICATE

This is to certify that,

•
Mr./Ms. Shubham . R. Jadhar
has successfully completed the teamwork in
Subject PBL - TT (Synopsis)
as per syllabus of the Savitribai Phule Pune University
during the academic year 2021 - 20 22

Sem.

Date: 14 - 5 - 22.

Staff Member

Head of Department Artificial Intelligance and

Roll No.: 514-11034



Exam. Seat No.: 🚄 👓 😘 꾜

Zeal Education Society's

ZEAL COLLEGE OF ENGINEERING & RESEARCH

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune - 411041.

www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Ms. Shubbam shivaji Lingayat.

has successfully completed the teamwork in

Subject PBL-II (Synopsis)

as per syllabus of the Savitribai Phule Pune University

during the academic year 2021 - 2022

Sem. IV

Date: 14-05-22

Staff Member

Solution of Street of Stre

HOD

Artificial Intelligance and Data Science Department Zeal College of Engineering

Head And Department

Roll No.: \$14110585



Exam. Seat No.: 51905320 3

Zeal Education Society's

ZEAL COLLEGE OF ENGINEERING & RESEARCH

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune - 411041.

www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Ms	Sonali Sanjay Powar	
	has successfully completed the teamwork in	
Subject_	PBL-TI (Synopsis)	_

as per syllabus of the Savitribai Phule Pune University

during the academic year 2021 - 2022

Sem._______

Date: 14-05-22.

Staff Member

Head o

Head of Department

Artificial Intelligance and

Zeal College of Engineering And Research



Exam. Seat No.: 519053207

Zeal Education Society's

ZEAL COLLEGE OF ENGINEERING & RESEARCH

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune - 411041.

www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Ms.	Teas	Sadashiv	Sawant	
,	0			

has successfully completed the teamwork in

Subject PBL TI (Synopsis)

as per syllabus of the Savitribai Phule Pune University

during the academic year 20 21 - 20 22

Sem. TV

Date: 14-05-22

Staff Member



Head of Department Data Science of Engineering



Exam. Seat No.: 519053205

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss_	Manoj V. Gujare
has	successfully completed the termwork in
Subject	bBT-II
as ner svl	labus of the Savitribai Phule Pune University

as per syllabus of the Savitribai Phule Pune University during the academic year 20 - 20

Sem.

Date: 24/05/2022

Staff Member

Research */ A children of the action of the

Head of Department

Artificial Intelligance and

Zeal College of Engineering
And Research



Exam. Seat No.: \$19053 206

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss _	Shivam	3.	Patfl	
ő				

has successfully completed the termwork in

Subject	PBL-	I			
---------	------	---	--	--	--

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. 1

Date: 24/05/2022.

Staff Member



Head of Department thent
Zeal College of Engineering



Exam. Seat No.: S19 05320 42

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss_	Kundan	P.	KhudKhude
has	successfully compl	eted the	e termwork in
Subject	DBT-11		
	labus of the Savitri luring the academic		ale Pune University

Sem. Jy

Date: 24/05/2022.

StaffMember



Head of Department Artificial Interpretation Department Department Zeal College of Engineering

Roll No.: \$1411041



Exam. Seat No.: 519053 205

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss_	Prappat	P.	Marra.	
has	successfully comple	eted the	termwork in	
Subject	bBT-II			

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem.

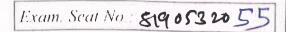
Date: 24/05/2022.

Staff Member



HOD
Head of Department thent
Zeal College of Engineering

Roll No. - 514110 43





Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	Abron	Mungi
has su	accessfully of	completed the termwork in
Subject	BF- I	
		Savitribai Phule Pune University

during the academic year 20 20 - 20 21

Sem. 4th

Date: 24/05/2022

Staff Member



Exam. Seat No.: \$19 \$ 53 20 7/



Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. /-M	iss Rakuh	8hetty
1	nas successfully	y completed the termwork in
Subject	181-II	
ac ner	evillabus of the	Sovitriboi Dhula Duna I Inimania

as per syllabus of the Savitribai Phule Pune University during the academic year 2020 - 2021

Sem. 4th

Date: 24/05/2022

Staff Member



Artifician ment pate pering zea

Head of Department ent

Roll No : 51411015

Exam. Seat No.: 51903202



Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. + Miss	Onkar	Futane	
has su	occessfully co	ompleted the termwork in	*
Subjectp	BL-T		
as ner svlla	hus of the Sa	witribai Phule Pune Universi	44.4

as per syllabus of the Savitribai Phule Pune University during the academic year 20 00 - 2021

Sem. 4th

Date: 24/05/2022

Staff Member



Arthicial Intelligance and Head of Department Engineering And Research

Roll No.: 514-11073



Exam. Seat No.: \$190532028

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss_	Avenash	R.	Hubale
has s	successfully comp	leted th	e termwork in
Subject	PBL-TT		
as per syll	abus of the Savitr	ibai Phı	ıle Pune University

Sem.

during the academic year 2021 - 2022

Date: 24/05/2022.

Staff Member



Head of Department and Artificial Intelligation partment

Jai Col



Exam. Seat No.:

2063

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Mjss_	Yosh	Proshant	Pawar	
-----------	------	----------	-------	--

has successfully completed the termwork in

Subject	PBL	Logbook	

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. IV

Date: 23/05/2022

Staff Member

HOD
Artificial Intelligance and
Data Science Department
Zeal College of Engineering
Head of Respartment



Exam. Seat No.: 22

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss _	Devika	Prashant	Pagare.
6			V

has successfully completed the termwork in

Subject	PBL	Logbook	
9			

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. IV.

Date: 23 /05/2022

Staff Member



Head of Departmente and
Data Science Department



Exam. Seat No.:

2077

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss	Sanchi	Tehalegoonk	on
----------	--------	-------------	----

has successfully completed the termwork in

Subject	PBL	109	bool	۷

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. IV

Date: 23/05/2022

Staff Member



Head of Schartmenartment Data Schlege of Engineering Zeal College of Engineering



Exam. Seat No.: 200

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss_	1	misha	Sanjay	Sonone	
			J J		

has successfully completed the termwork in

0.11		Y 1	
Subject	PRL	109 000K	
J		107000	

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. 4th

Date: 23/05/2022 .

1

Staff Member



HOD
Head off Department
Data Science Department
Zeal College of Engineering



Exam. Seat No.:

20172

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Shreyash S. Borkar

has successfully completed the termwork in

Subject PBL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem.

Date: 24/05/2022

Staff Member

Research */ A Science & Data Science

Head of Department
Artificial Intelligance and
Data Science Department

Zeal College of Engineering And Research



Exam. Seat No.:

2011

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Housh Pkesh B. Bhujbal

has successfully completed the termwork in

Subject PBL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 20 - 20

Sem.

Date: 24/05/2022.

Staff Member



Head of Department and Artific Pata Science Department

Data Science of Engineering



Exam. Seat No.: 2 🛷

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Mokshad P. Antapurkar

has successfully completed the termwork in

Subject PRI-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem.

Date: 24/05/2022

Staff Member

Head of Department Artificial Intelligance Department Data Science Department



Exam. Seat No.:

2038

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	Radhesh	5.	Khaire	
,				

has successfully completed the termwork in

Subject POL — II

as per syllabus of the Savitribai Phule Pune University during the academic year 20 - 20

Sem. TV

Date: 24/05/2022.

Staff Member



Head of Department
Data Science Department
Zeal College of Engineering



Exam. Seat No.:

Zeal Education Society's

ZEAL COLLEGE OF **ENGINEERING & RESEARCH**

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune - 411041.

www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Ms. prathamesh phadtare

has successfully completed the teamwork in

Subject PBL-II

as per syllabus of the Savitribai Phule Pune University

during the academic year 2021 - 2022

Sem. 4th

Date:

Staff Member

Head of Pepainthele ligance and Data Science Department Zeal College of Engineering



Exam. Seat No.:

2041

Zeal Education Society's

ZEAL COLLEGE OF ENGINEERING & RESEARCH

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune - 411041.

www.zealeducation.com

CERTIFICATE

This is to certify that,

M/./Ms. prarthana kolhe

has successfully completed the teamwork in

Subject PRL- II

as per syllabus of the Savitribai Phule Pune University

during the academic year 2021 - 2022

Sem. 4th

Date:

Staff Member

Head of Department Artificial Artificial Partment

eal Collage of Flight And Research



Exam. Seat No.: 2-3

Zeal Education Society's

ZEAL COLLEGE OF ENGINEERING & RESEARCH

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune - 411041.

www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Ms. Mitali kamble

has successfully completed the teamwork in

Subject PBL-II

Staff Member

as per syllabus of the Savitribai Phule Pune University

during the academic year 2021 - 2022

Date:

Artificial Intelligance and

Data Science Department
Zeal College of Engineering
Head of Department



Exam. Seat No.:

Zeal Education Society's

ZEAL COLLEGE OF **ENGINEERING & RESEARCH**

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune - 411041.

www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Ms. Srushti Kalbhor

has successfully completed the teamwork in

Subject PBL-II

as per syllabus of the Savitribai Phule Pune University

during the academic year 2021 - 2022

Sem. 4th

Date:

Staff Member

al Intelligance and and Research



Exam. Seat No.: 2047

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss_	Priya	Lokhande	

has successfully completed the termwork in

Subject Pbl Logbook

as per syllabus of the Savitribai Phule Pune University during the academic year 20 - 20

Sem. IV

Date: 19/5/2022

Staff Member Staff

HOD
Artificial Intelligance and Data Science Department

12



Exam. Seat No.: 2054

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Gaurang BHUPENDRA MHATRE

has successfully completed the termwork in

Subject paget based learning

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2027

Sem. W.

Date: 23-5-27

Staff Member

Artificial Intelligance and Data Science Department

And Research

Roll No.: 514-11003



Exam. Seat No.: 5 190 53 2007

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	Dancsh	V.	Benefre	
------------	--------	----	---------	--

has successfully completed the termwork in

Subject POL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. ______.

Date: 24/05/2022

Staff Member



Head of Department rement Data Science of Engineering



Exam. Seat No. 5790532 Coop

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss _	Hansika	Bhandale
--------------	---------	----------

has successfully completed the termwork in

Subject PBL-TI

as per syllabus of the Savitribai Phule Pune University during the academic year 202 - 202

Sem. ______.

Date: 241912

Staff Member



Artificial Intelligance and
Head of Departmentment
Zeal College of Engineering
And Research

Exam. Seat No.:519053@ 203



Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Aashika Amant Jain

has successfully completed the termwork in

Subject POL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem.

Date: 24/05/2012.

Staff Member



Head of Department ment Artifles Science of Englineering Data Science of Englineering



Exam. Seat No.:

2036

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	KaushPK	5.	Pati.
has	successfully comp	oleted th	e termwork in
Subject	PB2-IT		
	llabus of the Savita during the academ		ule Pune University

Sem. TV

Date: 24/05/2022.

Staff Member



Head of Department and Artificial Intelligance and Science Department

Zeal College Research



Exam. Seat No.:

2017

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss ARKRISH NITLESH DOBHADE

has successfully completed the termwork in

Subject Project Based Lauring

as per syllabus of the Savitribai Phule Pune University during the academic year 20 - 20

Sem. IV

Date: 23/05/2022

Staff Member



Head of Department artment Data College of Engineering



Exam. Seat No.: 2064

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss _	HONGF	5.	Pawas Kar	
--------------	-------	----	-----------	--

has successfully completed the termwork in

Subject PBL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem.

Date: 24/05/2022.

Staff Member



HOD

Head of Department rtment

Zeal College of Engineering

And Research



Exam. Seat No.: 2037

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No. 39, Narhe, Pune 411041
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr.	/ Miss	Shaikh	Kawnain	

has successfully completed the termwork in

Subject Project Based Learning.

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. _____.

Date: 23/05/2022

Staff Member



Head of Department a

eal College of Engineering

Roll No.: 51411 065



2074 Exam. Seat No.:

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	Makawand	Vaydande	7.
has	successfully com	pleted the termwork in	
Subject	PBL-T		
as per syl	labus of the Savi	tribai Phule Pune University	

during the academic year 2020 - 2021

Sem. 4th

Date: 29/05/2022

Staff Member



13



Exam. Seat No.: 2019

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Rasika Santosh Deshmukh.

has successfully completed the termwork in

Subject Project Based Learning

as per syllabus of the Savitribai Phule Pune University during the academic year 2020 - 2021

Sem. W th

Date:



3/2

HOD

Data Science Department
Zeal College of Engineering
Heathd Respondence

14



Exam. Seat No.: 20 20

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Baleek Chandrakant There.

has successfully completed the termwork in

Subject Project Based Leaning

as per syllabus of the Savitribai Phule Pune University during the academic year 2020 - 2021

Sem. IV W

Date:

Staff Member



Head of Department Artificial Science Department

Zeal College Research

45



Exam. Seat No.: 2057

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Vaishmave Ramesh Narawade Mr./Miss

has successfully completed the termwork in

Subject Based Leasning

as per syllabus of the Savitribai Phule Pune University during the academic year 20 20 - 20 21

Sem. TITH

Date:

Staff Member



HOD Artificial Intelligance and Head of Denartine the ineering





Exam. Seat No.: 7

2021

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Fater Tubes Shaikh.

has successfully completed the termworl. in

Subject Project Based Learning.

as per syllabus of the Savitribai Phule Pune University during the academic year 2020 - 2021

Sem. IV th

Date:

Staff Member



Hendoof Department
Data Science of Engineering

Roll No.: 5141105#



Exam. Seat No.:

2060

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Pranaw J. Rathod
has successfully completed the termwork in
Subject POL-II
as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022
Sem
Date: 24/05/2022.

C. S. Vandan

1 and other of the state of the

Headrof Departmente and
Data Science Department
Zeal College of Engineering



Exam. Seat No.: 5190532030

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	Mayuri	Mohan	Jagatap
has succe	essfully comp	oleted the term	work in
Subject	PBL (Su	mopsys	
as per syllabus during		ribai Phule Pu ic year 202/	

Sem. 4th

Date:

Staff Member

Artificial Intelligance and Data Science Department Zeal College of Engineering

Head of Department



Exam. Seat No.: 2018

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	nya R.	Ħ	Deore.	-
has succes	sfully complete	ed the to	ermwork in	
Subject	18-18C			
- V	of the Savitriba the academic y		Pune University	
	Sem. IV			

Date: 24/05/2022.

Staff Member



Head of Department Artificial Intelligence Department



Exam. Seat No.: 2039

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	Suja 1	Sampleep	Khopade
has su	ccessfully co	mpleted the termy	work in

Subject PB1-II

as per syllabus of the Savitribai Phule Pune University during the academic year 202 - 2022

Sem. TV

Date: 24(05)2022

Staff Member



HOD

Head of Department Data Sole partment
Zeal College of Engineering

Roll No .: Simile 55



Exam. Seat No.: 2056

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Agrash S. Navalkar

has successfully completed the termwork in

Subject PBZ-TI (Real time emotion detection

as per syllabus of the Savitribai Phule Pune University during the academic year 20 21 - 20 22

Sem._____

Date:

Staff Member

Artificial Intelligance and
Data Science Department
Zeal College of Engineering
And Research

Head of Department



Exam. Seat No.: 2068

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No.39, Narhe, Pune 411041.
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Abbay Rathod

has successfully completed the termwork in

Subject PBZ-TT Crostine emotion detection using over win Python)

as per syllabus of the Savitribai Phule Pune University during the academic year 20 21 - 20 22

Sem. W

Date:

Staff Member



HOD

Artificial Intelligance and
Hearbor Department
Zeal College The Hearbor And Research



Exam. Seat No.: 2072

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU)
S. No.39, Narhe, Pune 411041.
www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss	Isha	Tadas	

has successfully completed the termwork in

Subject PBL-11 Creat time emotion detection
using open or Pithon?

as per syllabus of the Savitribai Phule Pune University during the academic year 20 2 - 2022

Sem. N

Date:

31

Staff Member



ead of Departments and

Roll No .: SIMILOSO



Exam. Seat No.: 2044

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Kushen Patil

has successfully completed the termwork in

Subject PB)-11 (Real time emotion detection using

as per syllabus of the Savitribai Phule Pune University during the academic year 202\ - 2022

Sem.

Date:

Staff Member



HOD

Head of Dial Intelligence and

Head of Dial Intelligence and

Zeal College of Engineering



Exam. Seat No.: 2033

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss _	Suraj	K.	Jose	SOU.	
has s	uccessfully con	npleted	the term	work in	
Subject	DBT-II				
_	abus of the Sav aring the acade				
	Sem.	11			

Staff Member

Date: 24/05/2022.



Head of Department



Exam. Seat No.: 20

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	Surai	\mathcal{D} ,	Lokhande
/ -			

has successfully completed the termwork in

Subject PBL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem.

Date: 24/05/2022

Staff Member



Head of Department ment

Roll No.: 514-11035



Exam. Seat No.: 2046

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss	Pratronceh	5.	Lobar.	-
has	successfully completed	the ter	mwork in	
Subject	PBL-II		129	

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. TV

Date: 24/05/22.

Staff Member



Head of Department ce and Data Science Department

al College of Engineerin

Roll No.: S14-11024



Exam. Seat No.: 2032

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Suray R. Janoal Kar.

has successfully completed the termwork in

Subject PBL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2024 - 2022

Sem.

Date: 24/05/2022

Staff Member



Head of Department
Data Science Department
And Research



Exam. Seat No.: 2058

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No.39, Narhe, Pune 411041. www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr./Miss Namute Amit Ashok

has successfully completed the termwork in

Subject PBL (Synop545)

as per syllabus of the Savitribai Phule Pune University during the academic year 20 - 20

Sem. TV.

Date: 24/5/22

Staff Member

HOD

Artificial Intelligance and
Data Science Department
Zeal Coffege of Engineering
And Research
Head of Department



Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss <u>Chartanya</u> D. Yadav

has successfully completed the termwork in

Subject POL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem.

Date: 24/05/2022.

Staff Member



HOD
Head of Department
Data Science Department
Zeal College of Engineering

2076

Exam. Seat No.:



Exam. Seat No.: 2001

Zeal Education Society's

Zeal College of Engineering & Research

(Approved by AICTE, Govt. of Maharashtra & Affiliated to SPPU) S. No. 39, Narhe, Pune 411041 www.zealeducation.com

CERTIFICATE

This is to certify that,

Mr. / Miss Abhrshek K. Singh

has successfully completed the termwork in

Subject PRL-II

as per syllabus of the Savitribai Phule Pune University during the academic year 2021 - 2022

Sem. TV

Date: 24/05/2022

Staff Member



Head of Department riment
Zeal College of Engineering