SHRI SOMESHWAR SHIKSHAN PRASARAK MANDAL'S
SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY, SOMESHWARNAGAR

Record No.:- ACD/R/01
Revision:- 00
Date:- 16-06-2014

A.Y.:-2022-2023

ACADEMIC CALENDAR

Semester:-I

Week No.	Month	Week Days							No. of Working Days	Events
		MON	TUE	WED	THU	FRI	SAT	SUN		
1	JUL	18	19	20	21	22	23	24	6	TE, BE Commencement of Teaching - 18 July
2		25	26	27	28	29	30	31	6	Attendance monitoring & Phone Calls - 21 July
3	AUG	1	2	3	4	5	6	7	6	Course File Checking
4		8	9	10	11	12	13	14	5	Internal FeedBack
5		15	16	17	18	19	20	21	4	First Defaulter list after a month
6		22	23	24	25	26	27	28	5	Independence Day 15 August
7		29	30	31					2	Commencement of SE - 17 Aug
	SEPT				1	2	3	4	3	Unit Test I For T.E & B.E on 1st to 3th Sept
8		5	6	7	8	9	10	11	5	Parents Teacher meet
9		12	13	14	15	16	17	18	6	Teacher's Day 5 Sept.
10		19	20	21	22	23	24	25	6	Engineers Day 15 Sept
11		26	27	28	29	30			5	Librarian's Day 27 Sept.
	OCT						1	2	1	Tentative dates of SPPU In-Sem for T.E ,B.E 3rd to 10th Oct
12		3	4	5	6	7	8	9	5	Campus Cleaning on occasion of Gandhi Jayanti 2 Oct.
13		10	11	12	13	14	15	16	6	Defaulter list after second month
14		17	18	19	20	21	22	23	5	Guest Lecture or Industrial Visits 10th, 24th 31th Oct.
		24	25	26	27	28	29	30	2	Internal FeedBack
16		31							1	Conclusion of Teaching for TE & BE - 5 Nov.
	NOV		1	2	3	4	5	6	5	Final Defaulter list
17		7	8	9	10	11	12	13	5	Term Submission of T.E and B.E
18		14	15	16	17	18	19	20	6	Internal Mock oral, Practical exam
19		21	22	23	24	25	26	27	6	SPPU Oral and Practical Examination of T.E and B.E
20		28	29	30					3	Commencement of FE 21th Nov.
	DEC				1	2	3	4	3	Tentative dates of SPPU In-Sem for S.E. 15th to 20th Dec
21		5	6	7	8	9	10	11	6	Final Defaulter list
22		12	13	14	15	16	17	18	6	Term Submission of S.E
23		19	20	21	22	23	24	25	6	Internal FeedBack
24		26	27	28	29	30	31		6	SPPU Oral and Practical Examination of S.E.
	JAN							1	0	
25		2	3	4	5	6	7	8	6	
26		9	10	11	12	13	14	15	6	SPPU Theory Examination for T.E and B.E
27		16	17	18	19	20	21	22	6	
28		23	24	25	26	27	28	29	6	
29		30	31						2	
No. of Week Days		29	29	28	28	28	28		157	

HOLIDAYS
09 Moharam
15/08 Independence Day
16/08 Parasi New Year
22/08 Last Shravani Somwar
31/08 Ganesh Chaturthi
09/09 Anant Chaturdashi
02/10 Mahatma Gandhi Jayanti
05/10 Dasara
22/10 Dhantrayodashi
24/10 Diwali
26/10 Bhaubij
08/11 Guru nanak Jayanti
25/12 Christmas
15/01/2023 Makar Sankranti

NOTE:-
Principal Meet will be conduct as and when required
HOD Meet will be conduct as and when required
GFM Meet will be conduct as and when required
Continuous assessment of assignment/ experiments /project/seminar by respective Guide/Subject teacher once in month

Academic Coordinator

Principal

Sharadchandra Pawar College of Engineering & Technology * Someshwarnagar *
DTE CODE EN6795

SHRI SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

SHARADCHANDRA PAWAR CLLEGE OFENGINEERING AND TECHNOLOGY, SOMESHWARNAGAR

Record No.:- ACD/R/01

Revision:- 00

Date:-16/06/2014

A.Y.:-2022-2023

ACADEMIC CALENDER

Semester:-II

Week No.	Month	Week Days							No. of Working Days	Events
		MON	TUE	WED	THU	FRI	SAT	SUN		
1	JAN	23	24	25	26	27	28	29	5	Commencement of Teaching Sem II on23 Jan. TE and BE
2		30	31						2	Course File Checking on 25th Jan
3	FEB			1	2	3	4	5	4	Republic Day Celebration on 26th Jan.
4		6	7	8	9	10	11	12	6	Display 1st week attendance on 31st Jan.
5		13	14	15	16	17	18	19	5	Commencement of Teaching Sem II on 6th Feb for SE
6		20	21	22	23	24	25	26	6	Sharad Somotsav 2K23 11th Feb to 17th Feb
7		27	28						2	Science Day Celebration on 28th Feb.
8	MAR			1	2	3	4	5	4	International Womens Day celibration on 8th March and 10th March
9		6	7	8	9	10	11	12	5	Defaulter list of SE, TE and BE
10		13	14	15	16	17	18	19	6	Internal FeedBack
11		20	21	22	23	24	25	26	5	Unit Test I For S.E,T.E & B.E
		27	28	29	30	31			5	Result analysis of Unit Test- I on 20th March. &Parent teachers meet online on 25th March
12	APR						1	2	1	Commencement of Teaching Sem II on 1st April. for FE
13		3	4	5	6	7	8	9	4	SPPU In-Sem exam in 3rd April to 10th April
14		10	11	12	13	14	15	16	5	Counseling of Detained student's parents on 12th April
15		17	18	19	20	21	22	23	5	SPPU Oral and Practical Examination
16		24	25	26	27	28	29	30	6	Submission and term work completion on 5th May
17	MAY	1	2	3	4	5	6	7	4	Conclusion of Term for BE amd TE on 20th May
18		8	9	10	11	12	13	14	6	Conclusion of Term for SE on 31st May
19		15	16	17	18	19	20	21	6	SPPU Theory Examination
		22	23	24	25	26	27	28	6	
		29	30	31					3	
No. of Week Days		19	19	19	18	18	18			

HOLIDAYS
26/01 Republic Day
19/02 Chhatrapati Shivaji Maharaj Jayanti
18/02 Mahashivratri
07/03 Dhulivandan
22/03 Gudhipadawa
30/03 Ram Navami
04/04 Mahavir Jayanti
07/04 Good Friday
14/03 Dr. BabasahebAmbedkar Jayanti
22/04 Akshay tritiya
01/05 Maharshtra Din
05/05 Buddha Porni

NOTE:-

Principal Meet will be conduct as and when required

HOD Meet will be conduct as and when required

GFM Meet will be conduct as and when required

Continuous assessment of assignment/ experiments /project/seminar by respective Guide/Subject teacher once in month.

Academic Coordinator

Principal

Sharadchandra Pawar College of Engineering & Technology DTE CODE

SHRI SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY, SOMESHWARNAGAR

Record No.:- ACD/R/01

Revision:- 01

Date:- 16/06/2020

A.Y.:-2022-2023

Department Academic Calender

Semester:-I

Week No.	Month	Week Days							No. of Working Days	Events
		MON	TUE	WED	THU	FRI	SAT	SUN		
1	JUL	18	19	20	21	22	23	24	6	TE, BE Commencement of Teaching - 18 July
2		25	26	27	28	29	30	31	6	Attendance monitoring & Phone Calls - 21 July
3	AUG	1	2	3	4	5	6	7	6	Course File Checking
4		8	9	10	11	12	13	14	5	Internal FeedBack
5		15	16	17	18	19	20	21	4	First Defaulter list after a month
6		22	23	24	25	26	27	28	5	Independence Day 15 August
7		29	30	31					2	Commencement of SE - 17 Aug
8	SEPT				1	2	3	4	3	Unit Test 1 For T.E & B.E on 1st to 3th Sept
9		5	6	7	8	9	10	11	5	Parents Teacher meet
10		12	13	14	15	16	17	18	6	Teacher's Day 5 Sept.
11		19	20	21	22	23	24	25	6	Engineers Day 15 Sept
		26	27	28	29	30			5	Librarian's Day 27 Sept.
	OCT						1	2	1	Tentative dates of SPPU In-Sem for T.E ,B.E 3rd to 10th Oct.
13		3	4	5	6	7	8	9	5	Campus Cleaning on occasion of Gandhi Jayanti 2 Oct.
14		10	11	12	13	14	15	16	6	Defaulter list after second month
15		17	18	19	20	21	22	23	5	Guest Lecture or Industrial Visits 10th, 24th 31th Oct.
16		24	25	26	27	28	29	30	2	Internal FeedBack
		31							1	Conclusion of Teaching for TE & BE - 5 Nov.
17	NOV		1	2	3	4	5	6	5	Final Defaulter list
18		7	8	9	10	11	12	13	5	Term Submission of T.E and B.E, **Industrial Visit BE (Mech)**
19		14	15	16	17	18	19	20	6	Internal Mock oral, Practical exam,**Industrial Visit BE (Mech)**
20		21	22	23	24	25	26	27	6	SPPU Oral and Practical Examination of T.E and B.E
		28	29	30					3	Commencement of FE 21th Nov.
21	DEC				1	2	3	4	3	Tentative dates of SPPU In-Sem for S.E. 15th to 20th Dec.
22		5	6	7	8	9	10	11	6	Final Defaulter list
23		12	13	14	15	16	17	18	6	Term Submission of S.E
24		19	20	21	22	23	24	25	6	Internal FeedBack
		26	27	28	29	30	31		6	
	Jan-23							1	0	SPPU Oral and Practical Examination of S.E.
25		2	3	4	5	6	7	8	6	
26		9	10	11	12	13	14	15	6	
27		16	17	18	19	20	21	22	6	SPPU Theory Examination for T.E and B.E, **FDP on Syllabus Implementation of**
28		23	24	25	26	27	28	29	6	
29		30	31						2	
No. of Week Days		29	29	28	28	28	28		157	

HOLIDAYS
09/08 Moharam
15/08 Independence Day
16/08 Parasi New Year
22/08 Last Shravani Somwar
31/08 Ganesh Chaturthi
09/09 Anant Chaturdashi
02/10 Mahatma Gandhi Jayanti
05/10 Dasara
22/10 Dhantrayodashi
24/10 Diwali
26/10 Bhaubij
08/11 Guru nanak Jayanti
25/12 Chirstmas
15/01/2023 Makar Sankranti

NOTE:-

Principal Meet will be conduct as and when required

HOD Meet will be conduct as and when required

GFM Meet will be conduct as and when required

Continuous assessment of assignment/ experiments /project/seminar by respective Guide/Subject teacher once in month.

Academic Coordinator

HOD

Sharadchandra Pawar College of Engineering & Technology * Someshwarnagar * DTE CODE 3157 85

SOMES[illegible]'AR SHIKSHAN PRASARAK MANDAL'S

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY

SOMESHWARNAGAR

Record No:- ACD/R/03

Revision:-01

Date:- 16/06/2020

TIME TABLE

Department: Mechanical **Class:** SE **Semester:** I **Academic Year:** 2022-2023 **W.E.F.:** 17/08/2022

DAY/TIME	09:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2:00-4:00
MONDAY	EMM	SMD	LUNCH BREAK	SM	EMM	SHORT BREAK	GD&T-A1
TUESDAY	SMD	TMD		TMD	SM		SMD-A1
WEDNESDAY	EMM	EEE		EEE	SM		EEE-A1
THURSDAY	TMD	SMD		TMD-A1			SM-A1
FRIDAY	SM	EEE		NPTEL/ Remedial Class			EMM-A1
SATURDAY							

Choice Code	Abbrevations	Subject Name	Faculty Name	TH/PR
202041	SM	Solid Mechanics	Prof.Gawade S.R	TH+PR
202042	SMD	Solid Modelling and Drafting	Prof. Ghadage M.M.	TH+PR
202043	TMD	Engineering Thermodynamics	Prof. Kakade S.R.	TH+PR
202044	EMM	Engineering Materials and Metallurgy	Prof. Pondkule S. M.	TH+PR
203156	EEE	Electricals and Electrronics Engineering	Prof. Sorate S. B.	TH+PR
202045	GD&T	Geometric Diamensioning and Tollerancing Lab	Prof. ~~Pondkule~~ S. N. Bhagat.	PR
202046	AU	Audit Course- III	Prof. Bhagat S. N.	

Batch	Roll No.
A1	ME 201 to ME 222

Time Table Incharge

Head of the Dept.

Principal

Someshwar Shikshan Prasarak Mandal's

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY

Someshwarnagar, Baramati. 412306

Record No:- ACD/R/03
Revision:- 00
Date:-16/06/2020

TIME TABLE

Department: Mechanical **Class:** TE **Semester:** I **Academic Year:** 2022-2023 **W.E.F.:** 18/07/2022

DAY/TIME	09:00-10:00	10:00-11:00	11:00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2:00-3:00	3:00-4:00
MONDAY	HMT	DME	LUNCH BREAK	MXT	NSM	SHORT BREAK	A1- SD, A2- DML	
TUESDAY	HMT	MST		MXT	NSM		A1- MXT, A2- SD	
WEDNESDAY	HMT	MST		A1- DME, A2- HMT			NPTEL COURSE	
THURSDAY	DME	MST		NSM	NSM (T)		A1- HMT, A2- DME	
FRIDAY	DME	MXT		A1- DML, A2- MXT			LIBRARY	
SATURDAY								

Choice Code	Abbrevations	Subject Name	Faculty Name	TH/ PR/ T	Batch	Roll No.
302041	NSM	Numerical & Statistical Methods	Prof Suraj Jagtap	TH+[redacted]T	A1	ME 301 to ME 315
302042	HMT	Heat and Mass Transfer	Prof. Ghadage M.M.	TH+PR	A2	ME 316 to ME 327
302043	DME	Design of Machine Elements	Prof. Pondkule S. M.	TH+PR		
302044	MXT	Mechatronics	Prof. Sorate S.B.	TH+PR		
302045-B	MST	Machining Science & Technology	Prof. Bhagat S.N.	[redacted]TH		
302046	DML	Digital Manufacturing Laboratory	Prof Bhagat S. N.	PR		
302047	SD	Skill Development	Prof. Ghadage M.M.	PR		
302048	EE	Engineering Economics (Audit Course V)	Prof. Kakade S.R.	PR		

Time Table Incharge

Head of the Dept.

Principal

Sharadchandra Pawar College of Engineering DTE CODE E...0735 Someshwarnagar

Someshwar Shikshan Prasarak Mandal's

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY

Someshwarnagar, Baramati. 412306

Record No:-ACD/R/03

Revision:- 001

Date:- 16/ 06/ 2020

TIME TABLE

Department: Mechanical **Class:** BE **Semester:** I **Academic Year:** 2022-2023 **W.E.F.:** 18/ 07 / 2022

DAY/TIME	09:00-10:00	10:00-11:00	11:00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2:00-3:00	3:00-4:00
MONDAY	HVACR	DOM	LUNCH BREAK	TURBO	IE	SHORT BREAK	A1- DA LAB	
TUESDAY	TURBO	IE		DOM	HVACR		PR-I	
WEDNESDAY	HVACR	OR		A1- DOM			PR-I	
THURSDAY	DOM	OR		A1- HVACR			NPTEL COURSE	
FRIDAY	OR	IE		A1-TURBO			LIBRARY	
SATURDAY								

Choice Code	Abbrevations	Subject Name	Faculty Name	TH/ PR/ T	Batch	Roll No.
402041	HVACR	Heating Ventilation Air-Conditioning and Refrigeration	Prof. Kakade S. R.	TH+PR	A1	ME 401 to ME 422
402042	DOM	Dynamics of Machinery	Prof. Gawade S. R.	TH+PR		
402043	TURBO	Turbomachinery	Prof. Kakade S. R.	TH+PR		
402044	IE	Industrial Engineering	Prof. Pondkule S. M.	TH		
402045	OR	Operations Research	Prof. Ghadage M. M.	TH		
402046	DAL	Data Analytics Laboratory	Prof. Pondkule S. M.	PR		
402047	PR-I	Project (Stage- I)	Prof. Ghadage M. M.	PR		

Timetable Incharge

Head of the Dept.

Principal

Shri Someshwar Shikshan Mandal's

Sharadchandra Pawar College of Engineering and Technology

Someshwarnagar, Tal: Baramati, Dist: Pune 412306

MASTER TIME-TABLE

Department of Mechanical Engineering

Academic Year 2022-2023

Class: SE/TE/BE **Sem:** I

DAY/TIME	Class	09.00 AM 10.00 AM	10.00 AM 11.00 AM	11.00 AM 11.45 AM	11.45 AM 12.45 PM	12.45 PM 01.45 PM	01.45 PM 02.00 PM	02.00 PM 04.00 PM
Monday	SE	EMM	SMD	LUNCH BREAK	SM	EMM	SHORT BREAK	GD&T (A1), TMD(A2)
	TE	HMT	DME		MXT	NSM		SD(A1), DML(A2)
	BE	HVAC&R	DOM		TURBO	IE		DALAB (PR)
Tuesday	SE	SMD	TMD		TMD	SM		SMD(A1), EEE(A2)
	TE	HMT	MST		MXT	NSM		MXT (A1), SD(A2)
	BE	TURBO	IE		DOM	HVAC&R		PR-I (PR)
Wednesday	SE	EMM	EEE		EEE	SM		EEE (A1), SMD(A2)
	TE	HMT	MST		DME(A1), HMT(A2)			NPTEL CLASS
	BE	HVAC&R	OR		DOM (PR)			PR-I (PR)
Thursday	SE	TMD	SMD		TMD(A1), GD&T(A2)			EMM(A1), SM (A2)
	TE	DME	MST		NSM	NSM(T)		NPTEL CLASS
	BE	DOM	OR		HVAC&R (PR)			
Friday	SE	SM	EEE		NPTEL CLASS			SM (A1), EMM(A2)
	TE	DME	MXT		DML (A1), MXT(A2)			LIBRARY
	BE	OR	IE		TURBO (PR)			LIBRARY

Timetable Incharge

H.O.D.

Principal

SHRI SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

SHARADCHANDRA PAWAR CLLEGE OFENGINEERING AND TECHNOLOGY, SOMESHWARNAGAR

Record No.:- ACD/R/01

Revision:- 01

Date:-16/06/2020

A.Y.:-2022-2023

DEPARTMENT ACADEMIC CALENDER

Semester:-II

Week No.	Month	Week Days							No. of Working Days	Events
		MON	TUE	WED	THU	FRI	SAT	SUN		
1	JAN	23	24	25	26	27	28	29	5	Commencement of Teaching Sem II on23 Jan. TE and BE
2		30	31						2	Course File Checking on 25th Jan
3	FEB			1	2	3	4	5	4	Republic Day Celebration on 26th Jan.
4		6	7	8	9	10	11	12	6	Display 1st week attendance on 31st Jan.
5		13	14	15	16	17	18	19	5	Commencement of Teaching Sem II on 6th Feb for SE
6		20	21	22	23	24	25	26	6	Sharad Somotsav 2K23 11th Feb to 17th Feb
		27	28						2	Science Day Celebration on 28th Feb.
7	MAR			1	2	3	4	5	4	Intenational Womens Day celibration on 8th March and 10th March
8		6	7	8	9	10	11	12	5	
9		13	14	15	16	17	18	19	6	Defaulter list of SE, TE and BE
10		20	21	22	23	24	25	26	5	Internal FeedBack
		27	28	29	30	31			5	Unit Test I For S.E,T.E & B.E
11	APR						1	2	1	Result analysis of Unit Test- I on 20th March. &Parent teachers meet online on 25th March
12		3	4	5	6	7	8	9	4	Commencement of Teaching Sem II on 1st April. for FE
13		10	11	12	13	14	15	16	5	SPPU In-Sem exam in 3rd April to 10th April, Industrial Visit SE(Mech)
14		17	18	19	20	21	22	23	5	Counseling of Detained student's parents on 12th April,Industrial Visit
15		24	25	26	27	28	29	30	6	TE(Mech), Guset Lecture SE(Mech),TE(Mech)& BE(Mech)
16	MAY	1	2	3	4	5	6	7	4	SPPU Oral and Practical Examination, Industrial Visit BE(Mech)
17		8	9	10	11	12	13	14	6	Submission and term work completion on 5th May
18		15	16	17	18	19	20	21	6	Conclusion of Term for BE amd TE on 20th May
19		22	23	24	25	26	27	28	6	Conclusion of Term for SE on 31st May
		29	30	31					3	SPPU Theory Examination
No. of Week Days		19	19	19	18	18	18			

HOLIDAYS
26/01 Republic Day
19/02 Chhatrapati Shivaji Maharaj Jayanti
18/02 Mahashivratri
07/03 Dhulivandan
22/03 Gudhipadawa
30/03 Ram Navami
04/04 Mahavir Jayanti
07/04 Good Friday
14/03 Dr. BabasahebAmbedkar Jayanti
22/04 Akshay tritiya
01/05 Maharshtra Din
05/05 Buddha Purni

NOTE:-

Principal Meet will be conduct as and when required

HOD Meet will be conduct as and when required

GFM Meet will be conduct as and when required

Continuous assessment of assignment/ experiments /project/seminar by respective Guide/Subject teacher once in month.

Academic Coordinator

HOD

Sharadchandra Pawar College of Engineering & Technology ★ Someshwarnagar ★ DTE CODE

Someshwar Shikshan Prasarak Mandal's

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY

Someshwarnagar, Baramati. 412306

Record No:-ACD/R/03
Revision:- 001
Date:- 16/06/2020

TIME TABLE

Department: Mechanical **Class:** BE **Semester:** II **Academic Year:** 2022-2023 **W.E.F.:** 23/ 01 / 2023

DAY/TIME	09:00-10:00	10:00-11:00	11:00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2:00-3:00	3:00-4:00
MONDAY	PED	EE	LUNCH BREAK	A1-CIM		SHORT BREAK	PR-II	
TUESDAY	EAM	PED		CIM	EE		PR-II	
WEDNESDAY	CIM	EAM		PED	EE		A1-MSA	
THURSDAY	EAM	CIM		PR-II			A1- EE	
FRIDAY	PR-II			PR-II			PR-II	
SATURDAY								

Choice Code	Abbrevations	Subject Name	Faculty Name	TH/ PR/ T	Batch	Roll No.
402048	CIM	Computer Integrated Manufacturing	Prof. Pondkule S. M.	TH+PR	A1	ME 401 to ME 423
402049	EE	Energy Engineering	Prof. Bhagat S. N.	TH+PR		
402050	EAM	Energy Audit and Management	Prof. Bhagat S. N.	TH		
402051	PED	Process Equipment Design	Dr. Gawade S.R.	TH		
402052	MSA	Mechanical Systems Analysis Laboratory	Dr. Gawade S.R.	PR		
402053	PR-II	Project Stage-II	All Staff	-		

Timetable Incharge

Head of the Dept.

Principal

Someshwar Shikshan Prasarak Mandal's

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY

Someshwarnagar, Baramati. 412306

Record No:- ACD/R/03
Revision:- 001
Date:-16/06/2020

TIME TABLE

Department: Mechanical **Class:** TE **Semester:** II **Academic Year:** 2022-2023 **W.E.F.:** 23/01/2023

DAY/TIME	09:00-10:00	10:00-11:00	11:00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2:00-3:00	3:00-4:00
MONDAY	AI&ML	DTS	LUNCH BREAK	CM	CAE	SHORT BREAK	A1- MEL A2- DTS	
TUESDAY	CAE	AI&ML		A1- Mini Project, A2-AI& ML			A1- DTS A2- MEL	
WEDNESDAY	DTS	CM		A1-AI& ML, A2-Mini Project			A1 & A2- Mini Project	
THURSDAY	AI&ML	DTS		A1- CAE A2-FPL			NPTEL Course	
FRIDAY	CM	CAE		A1- FPL A2- CAE			LIBRARY	
SATURDAY								

Choice Code	Abbrevations	Subject Name	Faculty Name	TH/ PR/ T	Batch	Roll No.
302049	AI & ML	Artificial Intelligence &Machine Learning	Prof. Pondkule S. M.	TH+PR	A1	ME 301 to ME 315
302050	CAE	Computer Aided Engineering	Prof. Ghadage M.M.	TH+PR	A2	ME 315 to ME 327
302051	DTS	Design of Transmission Systems	Prof. Ghadage M.M.	TH+PR		
302052-A	CM	Composite Materials	Prof. Kakade S.R.	TH		
302053	MEL	Measurement Laboratory	Prof. Pondkule S. M.	PR		
302054	FPL	Fluid Power &Control Laboratory	Prof. Kakade S.R.	PR		
302055	Int./Mini Project	Internship/Mini project	Prof. Kakade S.R. /Prof. Bhagat S. N.	PR		
302056	AU	Audit course - VI	Prof. Kakade S.R.	FPL		

Time Table Incharge

Head of the Dept.

Principal

Sharadchandra Pawar College of Engineering & Technology * DTE CODE EN6785 * Someshwarnagar

So. eshwar Shikshan Prasarak Mandal's

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY

Someshwarnagar, Baramati. 412306

Record No:- AC0/R/03
Revision:- 01
Date:- 16 / 06/2020

TIME TABLE

Department: Mechanical **Class:** S.E. **Semester:** II **Academic Year:** 2022-2023 **W.E.F.:** 06 / 02 / 2023

DAY/TIME	09:00-10:00	10:00-11:00	11:00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2:00-3:00	3:00-4:00
MONDAY	FM	MP	LUNCH BREAK	EM-III	EM-III (T)	SHORT BREAK	A1-PBL	
TUESDAY	ATD	KOM		A1-ATD			LIBRARY	
WEDNESDAY	FM	MP		ATD	EM-III		A1-FM	
THURSDAY	KOM	FM		A1-PBL			A1- KOM	
FRIDAY	KOM	MP		EM-III	ATD		A1-MS	

Choice Code	Abbrevations	Subject Name	Faculty Name	TH/ PR/ T
207002	EM-III	Engineering Mathematics -III		TH+T
202047	KOM	Kinematics of Machinery	Prof. Ghadage M.M.	TH+PR
202048	ATD	Applied Thermodynamics	Prof. Kakade S.R.	TH+PR
202049	FM	Fluid Mechanics	Prof. Kakade S.R.	TH+PR
202050	MP	Manufacturing Processes	Prof. Pondkule S.M.	TH
202051	MS	Machine Shop	Prof. Pondkule S.M.	PR
202052	PBL-II	Project Based Learning	Dr. Gawade S.R.	PR
202053	AU	Audit Course- IV	Prof. Bhagat S.N.	

Batch	Roll No.
A1	ME 201 to ME 222

Sharadchandra Pawar College of Engineering & Technology * Someshwarnagar * DTE CODE EN0126

Time Table Incharge

Head of the Dept.

Principal

Shri Someshwar Shikshan Mandal's

Sharadchandra Pawar College of Engineering and Technology

Someshwarnagar, Tal: Baramati, Dist: Pune 412306

MASTER TIME-TABLE

Department of Mechanical Engineering

Academic Year 2022-2023

CIASS: SE/TE/BE **Sem:** II

DAY/TIME	Class	09.00 AM 10.00 AM	10.00 AM 11.00 AM	11.00 AM 11.45 AM	11.45 AM 12.45 PM	12.45 PM 01.45 PM	01.45 PM 02.00 PM	02.00 PM 04.00 PM	
Monday	SE	FM	MP	Lunch Break	EM-III	EM-III(T)	Short Break	A1-PBL	
	TE	AI&ML	DTS		CM	CAE		A1-MEL	A2-DTS
	BE	PED	EE		A1-CIM			PR-II	
Tuesday	SE	ATD	KOM		A1-ATD			LIBRARY	
	TE	CAE	AI&ML		A1-Mini Project	A2-Mini Project		A1-DTS	A2-MEL
	BE	EAM	PED		CAM	EE		PR-II	
Wednesday	SE	FM	MP		ATD	EM-III		A1-FM	
	TE	DTS	CM		A1-AI&ML	A2- Mini Project		A1-Mini Project	A2-AI&ML
	BE	CIM	EAM		PR-II			A1-EE	
Thursday	SE	KOM	FM		A1-PBL			A1-KOM	
	TE	AI&ML	DTS		A1-CAE	A2-FPL		NPTEL COURSE	
	BE	EAM	CIM		PR-II			PR-II	
Friday	SE	KOM	MP		EM-III	ATD		A1-MS	
	TE	CM	CAE		A1-FPL	A2-CAE		LIBRARY	
	BE	PR-II			PR-II			PR-II	

Mahadage
Timetable Incharge

HOD.

Principal

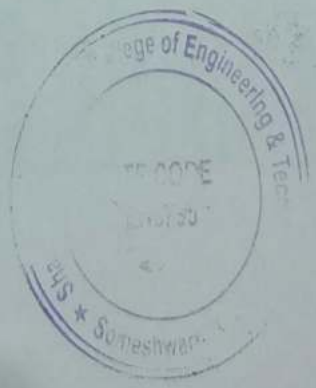
Institute Vision and Mission

Vision

✓ Our vision is to achieve excellence in technical education and make the engineers for socio-economic development of rural India.

Mission

- To prepare rural students for a productive and rewarding career in engineering profession.
- To provide students with comprehensive knowledge and fundamentals of engineering.
- To create barrier free environment through technical education in rural area.
- Development of technical human resource for socio-economic development of rural India.
- To impart value education and skill through technical education.



ShriSomeshwarShikshanPrasarakMandal's
SharadchandraPawar College of Engineering & Technology,
Someshwarnagar Tal – Baramati, Dist – Pune 412 306
(Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra
&Affiliated to SavitribaiPhule Pune University, Id.no.PU/PN.Engg./445/2012)
+91-2112-283185 * Fax : (02112) 283185
Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

Department of Mechanical Engineering

➢ Vision

Our vision is to develop learning culture in students and offer value based education.

➢ Mission

Our mission is to develop skilled and employable undergraduates to accept the global and societal challenges by imparting fundamental knowledge of mechanical engineering and through industry-institute interaction.

SSPM'S

Sharadchandra Pawar College of Engineering and Technology,

Someshwarnagar.

Department-Humanity and Science

Mission

- To become a leading Institute in producing high quality technical professionals for Nation Building.

Vision

- To nurture the students with a high-quality education.
- To promote creativity, excellence, and discipline.
- To explore career opportunities for the students.
- To enhance industry-institute interaction and research activities.
- To create social and environmental awareness.

SHRI SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY, SOMESHWARNAGAR

Record No.:- ACD/R/01

Revision:- 00

Date:-

A.Y.:-2023-2024

DEPAERTMENT OF COMPUTER ENGINEEING

DEPARTMENTAL ACADEMIC CALENDAR

Semester:-I

Week No.	Month	Week Days							No. of Working Days	Events
		MON	TUE	WED	THU	FRI	SAT	SUN		
Week No.	Month	Week Days							No. of Working Days	TE, BE Commencement of Teaching - 10 July
		MON	TUE	WED	THU	FRI	SAT	SUN		Attendance monitoring & Phone Calls - 14 July
1	JUL	10	11	12	13	14	15	16	6	Course File Checking
2		17	18	19	20	21	22	23	6	Internal FeedBack
3		24	25	26	27	28	29	30	5	First Defaulter list after a month
4		31							1	Independence Day 15 August
5	AUG		1	2	3	4	5	6	5	Commencement of SE - 17 Aug
6		7	8	9	10	11	12	13	6	Unit Test 1 For T.E & B.E on 15st to 30th Aug
7		14	15	16	17	18	19	20	4	Parents Teacher meet
8		21	22	23	24	25	26	27	6	Teacher's Day 5 Sept.
9	SEPT	28	29	30	31				4	Engineers Day 15 Sept
10						1	2	3	2	Librarian's Day 27 Sept.
11		4	5	6	7	8	9	10	6	Tentative dates of SPPU In-Sem for T.E ,B.E 4th to 08th Oct.
12		11	12	13	14	15	16	17	5	Campus Cleaning on occasion of Gandhi Jayanti 2 Oct.
13	OCT	18	19	20	21	22	23	24	5	Defaulter list after second month
14		25	26	27	28	29	30		5	Guest Lecture or Industrial Visits 25 to 27 Sept & 09 to 20 Sept
15								1	0	Internal FeedBack
16		2	3	4	5	6	7	8	5	Conclusion of Teaching for TE & BE - 5 Nov.
17		9	10	11	12	13	14	15	6	Final Defaulter list
18		16	17	18	19	20	21	22	6	Term Submission of T.E and B.E
19		23	24	25	26	27	28	29	5	Internal Mock oral, Practical exam
20		30	31						2	SPPU Oral and Practical Examination of T.E and B.E
21	NOV			1	2	3	4	5	4	Commencement of FE 21th Nov.
22		6	7	8	9	10	11	12	5	Tentative dates of SPPU In-Sem for S.E. 15th to 20th Dec.
23		13	14	15	16	17	18	19	4	Final Defaulter list
24		20	21	22	23	24	25	26	6	Term Submission of S.E
25		27	28	29	30				3	Internal FeedBack
26	DEC					1	2	3	2	
27		4	5	6	7	8	9	10	6	SPPU Oral and Practical Examination of S.E.
28		11	12	13	14	15	16	17	6	
29		18	19	20	21	22	23	24	6	
30		25	26	27	28	29	30	31	5	SPPU Theory Examination for T.E and B.E
No. of Week Days		21	21	23	24	24	24		137	

HOLIDAYS
0[illegible] Moharam
15/08 Independence Day
16/08 Parasi New Year
22/08 Last Shravani Somwar
31/08 Ganesh Chaturthi
09/09 Anant Chaturdashi
02/10 Mahatma Gandhi Jayanti
05/10 Dasara
22/10 Dhantrayodashi
24/10 Diwali
26/10 Bhaubij
08/11 Guru nanak Jayanti
25/12 Chirstmas
15/01/2023 Makar Sankranti

NOTE:-

Principal Meet will be conduct as and when required

HOD Meet will be conduct as and when required

GFM Meet will be conduct as and when required

Continuous assessment of assignment/ experiments /project/seminar by respective Guide/Subject teacher once in month.

Sharadchandra Pawar College of Engineering & Technology * Someshwarnagar *

DTE CODE EN6795

Academic Coordinator

HOD

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Record No:-

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING AND TECHNOLOGY, SOMESHWARNAGAR

Revision:-

Date:-

TIME TABLE

Department: COMPUTER **Class:** SE,TE,BE **Semester:** I **Academic Year:** 2022-23 **W.E.F.:** 18/07/2022

DAY	CLASS	9:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2.00-3.00	3:00-4:00
MONDAY	SE	B1-FDS/ B2-LAB-I/ B3-FDS/ B4-BCS		LUNCH BREAK	CG	FDS	SHORT BREAK	OOP	DM
	TE	IOT	SPOS		B1-DBMS/B2-CN/B3-LAB-I/B4-LAB-I			TOC	LIBRARY
	BE	OOMD	STQA		PROJECT WORK			LAB-III	
TUESDAY	SE	B1-FDS/ B2-LAB-I/ B3-BCS/ B4-DELD			DM	FDS		DM	OOP
	TE	DBMS	SPOS		B1-DBMS/B2-LAB-I/B3-DBMS/B4-LAB-I			DBMS	SPOS
	BE	BCT	OOMD		ML	LIBRARY		LAB-III	
WEDNESDAY	SE	B1-DELD/ B2-FDS/B3-FDS/B4-LAB-1			CG	FDS		OOP	DELD
	TE	CN	TOC		B1-CN/B2-LAB-I/B3-LAB-I/B4-DBMS			CN	IOT
	BE	BCT	STQA		PROJECT WORK			LAB-III	
THURSDAY	SE	B1-BCS/ B2-FDS/B3-DELD/B4-LAB-1			CG	DELD		B1-LAB-1/B2-BCS/B3-LAB-1/B4-FDS	
	TE	IOT	TOC		B1-LAB-I/B2-DBMS/B3-DBMS/B4-CN			Library	
	BE	DAA	STQA		BCT	ML		LAB-IV	
FRIDAY	SE	B1-LAB-1/ B2-DELD/B3-LAB-1/B4-FDS			HSS	DELD		LIBRARY	
	TE	CN	DBMS		B1-LAB-I/B2-DBMS/B3-CN/B4-DBMS			SEMINAR	
	BE	OOMD	DAA		ML	DAA		PROJECT WORK	
SATURDAY	SE	Library			AC			Mentor Meeting	
	TE	SEMINAR			SEMINAR			Mentor Meeting	
	BE	PROJECT WORK			PROJECT WORK			Mentor Meeting	

Time Table Incharge
Prof. Bhapkar.A.D

Head of the Dept.
Prof. Shah S.N.

Principal
Prof. Deokar S.C.

DTE CODE EN6795

HEAD OF DEPARTMENT COMPUTER ENGINEERING

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Sharadchandra Pawar College of Engineering and Technology

Someshwarnagar

Record No:-ACD/R/03	
Revision:-	
Date:-	

TIME TABLE

Department : Computer **CLASS: SE** **Semester:** I **Academic Year:** 2022-23 **W.E.F.:** 17/08/2022

Day/Time	9:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2.00	2.00-3.00	3.00-4.00
MONDAY	B1-FDS/ B2-LAB-1/B3-FDS/B4-BCS	LUNCH BREAK	CG	FDS	SHORT BREAK	OOP	DM
TUESDAY	B1-FDS/ B2-LAB-1/B3-BCS/B4-DELD		DM	FDS		DM	OOP
WEDNESDAY	B1-DELD/ B2-FDS/B3-FDS/B4-LAB-1		CG	FDS		OOP	DELD
THURSDAY	B1-BCS/ B2-FDS/B3-DELD/B4-LAB-1		CG	DELD		B1-LAB-1/B2-BCS/B3-LAB-1/B4-FDS	
FRIDAY	B1-LAB-1/ B2-DELD/B3-LAB-1/B4-FDS		HSS	DELD		LIBRARY	

Choice Code	Subject Name	Faculty Name	TH/PR	Location	Batch	Roll NO.
210241	Discrete Mathematics	Prof. Ghadge S.V	TH	B-213		
210242	Fundamentals of Data structure	Prof .Kolte P.S.	TH	B-213	B1	CO201-CO218
210243	Object Oriented Programming	Prof.Kadam R.A.	TH	B-213	B2	CO219-CO236
210244	Computer Graphics	Prof .Bhame .V.	TH	B-213	B3	CO237-CO254
210245	Digital Electronics and Logic Design	Prof.Shinde P.	TH	B-213	B4	CO255-CO272
210246	Data Structures Laboratory	Prof .Kolte P.S.	TW+PR	BCL		
210247	OOP and CG Laboratory(LAB-I)	Prof.Kadam R.A.	TW+PR	ES&IOTL		
210248	Digital Electronics Laboratory	Prof.Shinde P.	TW	BCL		
210249	Business Communication Skills	Prof. Ghadge S.V	TW	MP&DL		
210250	Humanity and Social Science	Prof .Wagh .M.V	TW	B-213		

Prof. Bhapkar.A.D
Timetable Incharge

Prof. Shah S.N
Head of Department

HEAD OF DEPARTMENT
COMPUTER ENGINEERING

Sharadchandra Pawar College of Engineering & Tech. Someshwarnagar
DTE CODE
E- 45

Dr.Deokar S.A
Principal

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Sharadchandra Pawar College of Engineering and Technology
Someshwarnagar

Record No:-ACD/R/03
Revision:-
Date:-

TIME TABLE

Department : Computer **Class:** TE **Semester:** I **Academic Year:** 2022-23 **W.E.F.:** 18/07/2022

Day/Time	9:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2.00-3.00	3.00-4.00
MONDAY	IOT	SPOS	LUNCH BREAK	**B1**-DBMS/**B2**-CN/**B3**-LAB-I/**B4**-LAB-I		SHORT BREAK	TOC	LIBRARY
TUESDAY	DBMS	SPOS		**B1**-DBMS/**B2**-LAB-I/**B3**-DBMS/**B4**-LAB-I			DBMS	SPOS
WEDNESDAY	CN	TOC		**B1**-CN/**B2**-LAB-I/**B3**-LAB-I/**B4**-DBMS			CN	IOT
THURSDAY	IOT	TOC		**B1**-LAB-I/**B2**-DBMS/**B3**-DBMS/**B4**-CN			Library	
FRIDAY	CN	DBMS		**B1**-LAB-I/**B2**-DBMS/**B3**-CN/**B4**-DBMS			SEMINAR	
SATURDAY	SEMINAR			SEMINAR				

Choice Code	Subject Name	Faculty Name	TH/PR	Location	Batch	Roll NO.
310241	Database Management System	Prof. Padalkar S.P	TH	B-213		
310242	Theory of Computation	Prof. Shah S. N.	TH	B-213	B1	CO-301 to CO-320
310243	System Programming and OS	Prof.Kolekar P.Z	TH	B-213	B2	CO-321 to CO-340
310244	Computer Networ & Security	Prof. Ghadge S.V	TH	B-213	B3	CO-341 to CO-360
310245	Internet of Things &Embedded System	Prof.Bhapkar A.D	TH	B-213	B4	CO-361 to CO-374
310246	DBMS Lab	Prof.Padalkar.S.P	TW+PR	MP&DL		
310247	CN&S Lab	Prof. Ghadge S.V	TW+OR	BCL		
310248	Laboratory Practice-I	Prof.Kolekar P.Z/ Prof.Bhapkar A.D	TW+PR	ES&IOTL		
310249	Seminar and Technical Communication	Prof.Bhapkar A.D	PR	B-213		

Prof. Bhapkar.A.D
Timetable Incharge

Prof. Shah S.N
Head of Department

Dr.Deokar S.A
Principal

Sharadchandra Pawar College of Engineering & ... DTE CODE EN6736

HEAD OF DEPARTMENT COMPUTER ENGINEERING

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Sharadchandra Pawar College of Engineering and Technology
Someshwarnagar

Record No:-ACD/R/03
Revision:-
Date:-

TIME TABLE

Department : Computer **Class:** BE **Semester:** I **Academic Year:** 2022-23 **W.E.F.:** 18/07/2022

Day/Time	9:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-01:45	01:45-2:00	02.00-04.00
MONDAY	OOMD	STQA	LUNCH BREAK	PROJECT WORK		SHORT BREAK	LAB-III
TUESDAY	BCT	OOMD		ML	LIBRARY		LAB-III
WEDNESDAY	BCT	STQA		PROJECT WORK			LAB-III
THURSDAY	DAA	STQA		BCT	ML		LAB-IV
FRIDAY	OOMD	DAA		ML	DAA		PROJECT WORK
SATURDAY	PROJECT WORK			PROJECT WORK			

Choice Code	Subject Name	Faculty Name	TH/PR	Location	Batch	Roll NO.
410241	Design and Analysis Of Algorithms	Prof.Pawar S.D	TH	B-212		
410242	Machine Learning	Prof.Wagh M.V.	TH	B-212	B1	CO- 401 to CO-422
410243	Blockchain Technology	Prof. kolekarP.Z.	TH	B-212		
410244	Object Oriented Modeling and Design	Prof. Shah S. N.	TH	B-212		
410245	Software Testing and Quality Assurance	Prof. Bhapkar A. D	TH	B-212		
410246	Laboratory Practice III	Prof .Wagh .M.V Prof.kolekarP.Z. Prof.Pawar S.D	TW+PR	MP&DL		
410247	Laboratory Practice IV	Prof.Bhapkar.A.D / Shah S. N.	TW+PR	BCL		
410248	Project Work Stage I	Prof.Pawar.S.D	TH+OR	MP&DL		

Prof. Bhapkar.A.D
Timetable Incharge

Sharadchandra Pawar College of Engineering & Technology * Someshwarnagar * DTE CODE EN6795

Prof. Shah S.N
Head of Department

HEAD OF DEPARTMENT
COMPUTER ENGINEERING

Dr. Deokar S.A
Principal

	SHRI SOMESHWAR SHIKSHAN PRASARAK MANDAL'S SHARADCHANDRA PAWAR CLLEGE OFENGINEERING AND TECHNOLOGY, SOMESHWARNAGAR	Record No.:- ACD/R/01 Revision:- 00 Date:-16/06/2014
A.Y.:-2022-2023	DEPARTMENT OF COMPUTER ENGINEERING ACADEMIC CALENDER	Semester:-II

Week No.	Month	Week Days							Events
		MON	TUE	WED	THU	FRI	SAT	SUN	
1	JAN	23	24	25	26	27	28	29	Commencement of Teaching Sem II on23 Jan. TE and BE
2		30	31						Course File Checking on 25th Jan
	FEB			1	2	3	4	5	Republic Day Celebration on 26th Jan.
3		6	7	8	9	10	11	12	Display 1st week attendance on 31st Jan.
4		13	14	15	16	17	18	19	Commencement of Teaching Sem II on 6th Feb for SE
5		20	21	22	23	24	25	26	Sharad Somotsav 2K23 11th Feb to 17th Feb
6		27	28						22th Feb Guest lecture on Womens Health Issue
	MAR			1	2	3	4	5	Science Day Celebration on 28th Feb.
7		6	7	8	9	10	11	12	9th March Guest lecture on Latest Programming Technologies
8		13	14	15	16	17	18	19	Intenational Womens Day celibration on 8th March and 10th March
9		20	21	22	23	24	25	26	
10		27	28	29	30	31			Defaulter list of SE, TE and BE
	APR						1	2	Internal FeedBack
11		3	4	5	6	7	8	9	Unit Test I For S.E,T.E & B.E
12		10	11	12	13	14	15	16	Result analysis of Unit Test- I on 20th March. &Parent
13		17	18	19	20	21	22	23	Commencement of Teaching Sem II on 1st April. for FE
14		24	25	26	27	28	29	30	SPPU In-Sem exam in 3rd April to 10th April
15		1	2	3	4	5	6	7	Counseling of Detained student's parents on 12th April
16		8	9	10	11	12	13	14	
17	MAY	15	16	17	18	19	20	21	SPPU Oral and Practical Examination
18		22	23	24	25	26	27	28	Submission and term work completion on 5th May
19		29	30	31					Conclusion of Term for BE amd TE on 20th May
No. of Week Days		19	19	19	18	18	18		Conclusion of Term for SE on 31st May SPPU Theory Examination

HOLIDAYS
26/01 Republic Day
19/02 Chhatrapati Shivaji Maharaj Jayanti
18/02 Mahashivratri
07/03 Dhulivandan
22/03 Gudhipadawa
30/03 Ram Navami
04/04 Mahavir Jayanti
07/04 Good Friday
14/03 Dr. BabasahebAmbedkar Jayanti
22/04 Akshay tritiya
01/05 Maharshtra Din
05/05 Buddha Porni

NOTE:-

Principal Meet will be conduct as and when required

HOD Meet will be conduct as and when required

GFM Meet will be conduct as and when required

Continuous assessment of assignment/ experiments /project/seminar by respective Guide/Subject teacher once in month.

Academic Coordinator

HOD

Sharadchandra Pawar College of Engineering & Technology Someshwarnagar

DTE CODE EN6795

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S	Record No:-ACD/R/03	
Sharadchandra Pawar College of Engineering and Technology	Revision:-	
Someshwarnagar	Date:-	

TIME TABLE

Department : Computer **CLASS: SE** **Semester:** II **Academic Year:** 2022-23 **W.E.F.:** /02/2022

Day/Time	9:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2.00	2.00-3.00	3.00-4.00
MONDAY	B1-PBL/ B2-DSA/B3-PBL/B4-DSA	LUNCH BREAK	M-III	SE	SHORT BREAK	PPL	MP
TUESDAY	B1-MP/ B2-DSA/B3-PBL/B4-DSA		M-III	PPL		DSA	SE
WEDNESDAY	B1-DSA/ B2-PBL/B3-MP/B4-PBL		SE	DSA		PPL	COC
THURSDAY	B1-DSA/ B2-PBL/B3-DSA/B4-MP		M-III	DSA		MP	NPTL
FRIDAY	B1-PBL/ B2-MP/B3-DSA/B4-PBL		M-III TUTORIAL			MP	NPTL
SATURDAY	LIBRARY		LIBRARY				

Choice Code	Subject Name	Faculty Name	TH/PR	Location	Batch	Roll NO.
207003	Engineering Mathematics III	Prof.Chavan.Y.Y	TH	B-213		
210252	Data Structures & Algorithms	Prof.Kadam.R.A	TH	B-213	B1	CO201-CO218
210253	Software Engineering	Prof.Bhapkar.A.D	TH	B-213	B2	CO219-CO236
210254	Microprocessor	Prof.Ghadge.S.S	TH	B-213	B3	CO237-CO254
210255	Principles of Programming Languages	Prof.Waghmode.P.S	TH	B-213	B4	CO255-CO272
210256	Data Structures & Algorithms Lab	Prof.Kadam.R.A	TW+PR	Programming Lab		
210257	Microprocessor Lab	Prof.Ghadge.S.S	TW+PR	MP Lab		
210258	Project Based Learning II	Prof.Waghmode.P.S/Prof.Bhapkar.A.D	TW	N&S Lab/SE&A Lab		
		Prof.Ghadge.S.V				
210259	Code of Conduct	Prof.Bhapkar.A.D	TW	B-213		

Prof. Bhapkar.A.D
Timetable Incharge

Prof. Shah S.N
Head of Department

HEAD OF DEPARTMENT
COMPUTER ENGINEERING

Sharadchandra Pawar College of Engineering & Technology
DTE CODE
EN6705

Dr.Deokar S.A
Principal

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Sharadchandra Pawar College of Engineering and Technology Someshwarnagar

Record No:-ACD/R/03
Revision:-
Date:-

TIME TABLE

Department : Computer **Class:** TE **Semester:** II **Academic Year:** 2022-23 **W.E.F.:** 23/01/2023

Day/Time	9:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2.00-3.00	3.00-4.00
MONDAY	AI	SMA	LUNCH BREAK	B1-DSBDA/B2-INTRENSHIP/B3-AI/B4-DSBDA		SHORT BREAK	WT	DSBDA
TUESDAY	AI	DSBDA		B1-INTRENSHIP/B2-SMA/B3-WT/B4-DSBDA			LIBRARY	
WEDNESDAY	DSBDA	AI		B1-WT/B2-DSBDA/B3-SMA/B4-INTRENSHIP			WT	SMA
THURSDAY	WT	DSBDA		B1-SMA/B2-DSBDA/B3-INTERNSHIP/B4-WT			SMA	AI
FRIDAY	WT	SMA		B1-AI/B2-WT/B3-DSBDA/B4-SMA			B1-DSBDA/B2-AI/B3-DSBDA/B4-AI	
SATURDAY	LIBRARY			INTRENSHIP				

Choice Code	Subject Name	Faculty Name	TH/PR	Location
310251	Data Science & Bigdata Analytics	Prof. Pawar.S.D	TH	B-213
310252	Web Technology	Prof. Ghadge.S.V	TH	B-213
310253	Artifical Intelligence	Prof.Shah.S.N	TH	B-213
310254	Software Modelling & Architectures	Prof. Kokare.S.P	TH	B-213
310255	INTRENSHIP	Prof.Shah.S.N	TH	N&S Lab
310256	Data Science & Bigdata Analytics Lab	Prof. Pawar.S.D	TW+PR	BDP&CC Lab
310257	Web Technology Lab	Prof. Ghadge.S.V	TW+OR	Programming Lab
310258	LAB-II(AI & SMA)	Prof.Shah.S.N/ Prof.Kokare.S.P	TW+PR	ES&IOT/ SE&A Lab

Batch	Roll NO.
B1	CO-301 to CO-318
B2	CO-319 to CO-335
B3	CO-336 to CO-352
B4	CO-353 to CO-372

Prof. Bhapkar.A.D
Timetable Incharge

Prof. Shah S.N
Head of Department

HEAD OF DEPARTMENT
COMPUTER ENGINEERING

Dr.Deokar S.A
Principal

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Sharadchandra Pawar College of Engineering and Technology Someshwarnagar

Record No:-ACD/R/03
Revision:-
Date:-

TIME TABLE

Department : Computer **Class:** BE **Semester:** II **Academic Year:** 2022-23 **W.E.F.:** 23/01/2023

Day/Time	9:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-01:45	01:45-2:00	02.00-04.00
MONDAY	HPC	DL	LUNCH BREAK	LIBRARY	NLP	SHORT BREAK	PROJECT WORK
TUESDAY	HPC	NLP		LAB-V(DL LAB)			DL / NPTL
WEDNESDAY	BI	LIBRARY		LAB -VI (NLP LAB)			LAB-VI (BI LAB)
THURSDAY	HPC	BI		DL	NLP		PROJECT WORK
FRIDAY	-	BI		PROJECT WORK			LAB-V (HPC LAB)
SATURDAY	PROJECT WORK			LIBRARY			

Choice Code	Subject Name	Faculty Name	TH/PR	Location	Batch	Roll NO.
410250	High Performance Computing	Prof.Bhapkar.A.D	TH	B-212		
410251	Deep Learning	Prof.Ghadge.S.S	TH	B-212	BI	CO- 401 to CO-422
410252	Natural Language Processing	Prof. Waghmode.P.S	TH	B-212		
410253	Business Intelligence	Prof. Shah S. N.	TH	B-212		
410254	Laboratory Practice V	Prof.Bhapkar.A.D/ Prof.Ghadge.S.S	TW+PR	BCL/MP lab		
410255	Laboratory Practice VI	Prof. Waghmode.P.S Prof. Shah S. N.	TW	BCL/ES&IOT lab		
410256	Project Work Stage II		TW+PR			

Prof. Bhapkar.A.D
Timetable Incharge

Prof. Shah S.N
Head of Department

Dr. Deokar S.A
Principal

Sharadchandra Pawar College of Engineering * Someshwarnagar
DTE CODE EN6795

HEAD OF DEPARTMENT
COMPUTER ENGINEERING

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Record No:-

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING AND TECHNOLOGY, SOMESHWARNAGAR

Revision:-

Date:-

TIME TABLE

Department: COMPUTER **Class:** SE,TE,BE **Semester:** II **Academic Year:** 2022-23 **W.E.F.:** 23/01/2023

DAY	CLASS	9:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2.00-3.00	3:00-4:00
MONDAY	SE	B1-PBL/ B2-DSA/B3-PBL/B4-DSA		LUNCH BREAK	M-III	SE	SHORT BREAK	PPL	MP
	TE	AI	SMA		B1-DSBDA/B2-INTRENSHIP/B3-AI/B4-DSBDA			WT	DSBDA
	BE	HPC	DL		LIBRARY	NLP		PROJECT WORK	
TUESDAY	SE	B1-MP/ B2-DSA/B3-PBL/B4-DSA			M-III	PPL		DSA	SE
	TE	AI	DSBDA		B1-INTRENSHIP/B2-SMA/B3-WT/B4-DSBDA			LIBRARY	
	BE	HPC	NLP		LAB-V(DL LAB)			DL	NPTL
WEDNESDAY	SE	B1-DSA/ B2-PBL/B3-MP/B4-PBL			SE	DSA		PPL	COC
	TE	DSBDA	AI		B1-WT/B2-DSBDA/B3-SMA/B4-INTRENSHIP			WT	SMA
	BE	BI	LIBRARY		LAB -VI (NLP LAB)			LAB-VI (BI LAB)	
THURSDAY	SE	B1-DSA/ B2-PBL/B3-DSA/B4-MP			M-III	DSA		MP	NPTL
	TE	WT	DSBDA		B1-SMA/B2-DSBDA/B3-INTERNSHIP/B4-WT			SMA	AI
	BE	HPC	BI		DL	NLP		PROJECT WORK	
FRIDAY	SE	B1-PBL/ B2-MP/B3-DSA/B4-PBL			M-III TUTORIAL			MP	NPTL
	TE	WT	SMA		B1-AI/B2-WT/B3-DSBDA/B4-SMA			B1-DSBDA/B2-AI/B3-DSBDA/B4-AI	
	BE		BI		PROJECT WORK			LAB-V (HPC LAB)	
SATURDAY	SE	LIBRARY			LIBRARY				
	TE	LIBRARY			INTRENSHIP				
	BE	PROJECT WORK			LIBRARY				

Time Table Incharge
Prof. Bhapkar.A.D

Head of the Dept.
Prof. Shah S.N.

Principal
Prof. Deokar S.A.

DTE CODE EN 6...

HEAD OF DEPARTMENT
COMPUTER ENGINEERING

SHRI SOMESHWAR SHIKSHAN PRASARAK MANDAL'S
SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY, SOMESHWARNAGAR

Record No.:- ACD/R/01
Revision:- 00
Date:- 16-06-2014

A.Y.:-2022-2023

DEPARTMENT OF HUMANITY & SCIENCE

DEPARTMENTAL ACADEMIC CALENDAR

Semester:-I

Week No.	Month	Week Days							No. of Working Days	Events
		MON	TUE	WED	THU	FRI	SAT	SUN		
1	JUL	18	19	20	21	22	23	24	6	Independence Day 15 August
2		25	26	27	28	29	30	31	6	Teacher's Day 5 Sept.
3	AUG	1	2	3	4	5	6	7	6	Engineers Day 15 Sept
4		8	9	10	11	12	13	14	5	Librarian's Day 27 Sept.
5		15	16	17	18	19	20	21	4	Campus Cleaning on occasion of Gandhi Jayanti 2 Oct.
6		22	23	24	25	26	27	28	5	Commencement of teaching of semester I on 04th November 2022
7		29	30	31					2	Induction Program from 15/11/2022 to 21/11/2022
	SEPT				1	2	3	4	3	Regular Teaching & continuous assessment
8		5	6	7	8	9	10	11	5	Guest Lectures by experts on 26th Dec,27 Feb,4-5 March
9		12	13	14	15	16	17	18	6	University Insem Exam From 09/01/2023 to 13/01/2023
10		19	20	21	22	23	24	25	6	Regular Teaching & continuous assessment
11		26	27	28	29	30			5	Sharad Somotsav 2K23 11th Feb to 17th Feb
	OCT						1	2	1	22th Feb Guest lecture on Womens Health Issue
12		3	4	5	6	7	8	9	5	Science Day Celebration on 28th Feb.
13		10	11	12	13	14	15	16	6	Regular Teaching & continuous assessment
14		17	18	19	20	21	22	23	5	Student feedback at the end of semester- I
15		24	25	26	27	28	29	30	2	submission/oral/term work/practical before 02/03/2023
16		31							1	Conclusion of teaching of Sem-I on 06/03/2023
	NOV		1	2	3	4	5	6	5	
17		7	8	9	10	11	12	13	5	Intenational Womens Day celibration on 8th March and 10th March
18		14	15	16	17	18	19	20	6	University End Sem theory Exam 15/03/2023
19		21	22	23	24	25	26	27	6	
20		28	29	30					3	
	DEC				1	2	3	4	3	
21		5	6	7	8	9	10	11	6	
22		12	13	14	15	16	17	18	6	
23		19	20	21	22	23	24	25	6	
24		26	27	28	29	30	31		6	
	JAN							1	0	
25		2	3	4	5	6	7	8	6	
26		9	10	11	12	13	14	15	6	
27		16	17	18	19	20	21	22	6	
28		23	24	25	26	27	28	29	6	
29		30	31						2	
No. of Week Days		29	29	28	28	28	28		157	

HOLIDAYS
09/08 Moharam
15/08 Independence Day
16/08 Parasi New Year
22/08 Last Shravani Somwar
31/08 Ganesh Chaturthi
09/09 Anant Chaturdashi
02/10 Mahatma Gandhi Jayanti
05/10 Dasara
22/10 Dhantrayodashi
24/10 Diwali
26/10 Bhaubij
08/11 Guru nanak Jayanti
25/12 Chirstmas
15/01/2023 Makar Sankranti

NOTE:-

Principal Meet will be conduct as and when required

HOD Meet will be conduct as and when required

GFM Meet will be conduct as and when required

Continuous assessment of assignment/ experiments /project/seminar by respective Guide/Subject teacher once in month.

Academic Coordinator

HOD

College of Engineering & Technology
DTE CODE
Erc/95
Someshwarnagar

SOMESHWAR SHIKSHAN PRASARAK MANDA

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY
SOMESHWARNAGAR

Record No:-
Revision:- 03
Date:- 02/01/2020

TIME TABLE Div (A)

Department: First Year | **Class:** FE | **Semester:** I | **Academic Year:** 2022-23 | **W.E.F.:** 14/11/2022

DAY/TIME	9:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2.00-3.00	3:00-4:00
MONDAY	M-I	PPS	LUNCH BREAK	CHE	BEE	SHORT BREAK	BEE (A) Workshop (B) SME (C)	
TUESDAY	PPS	CHE		ENV-I	BEE		Workshop (A) CHE (B) PPS (C)	
WEDNESDAY	SME	PPS		ENV-I	M-I		SME (A) PPS (B) BEE (C)	
THURSDAY	PPS	CHE		CHE	M-I		PPS (A) CHE (C) BEE (B)	
FRIDAY	SME	BEE		SME	M-I (TUT)		CHE (A) SME (B) Workshop (C)	
SATURDAY	BEE	M-I		SME	Library hour		Library hour	

Choice Code	Subject Name	Faculty Name	TH/PR
107001	M-I- Engineering Mathematics I	Prof. Kadam S.S.	TH
107009	CHE- Engineering Chemistry	Prof. Wable N.S.	TH+PR
103004	BEE- Basic Electrical Engineering	Prof.Gawade P.D.	TH+PR
102003	SME- Systems in Mechanical	Prof. Bhagat S.N	TH+PR
110005	PPS-Programming and Problem	Prof. Pawar S.D.	TH+PR
101007	ENV-I- Environmental Studies	Prof.Thombare S.P.	TH
111006	Workshop Practices.	Mr. Shaikh R.J.	TW
	Library Hour	Miss.Kadam V.S.	

Batch	Roll NO.
A	FE101 to FE122
B	FE123 to FE144
C	FE 145 to FE 166

Prof. Attar K.C.
Time Table Incharge

Prof. Wable N.S.
Head of the Dept.

Dr.Deokar S.A.
Principal

	SHRI SOMESHWAR SHIKSHAN PRASARAK MANDAL'S SHARADCHANDRA PAWAR CLLEGE OFENGINEERING AND TECHNOLOGY, SOMESHWARNAGAR	Record No.:- ACD/R/01 Revision:- 00 Date:-16/06/2014
A.Y.:-2022-2023	DEPARTMENT OF HUMANITY & SCIENCE	
	DEPARTMENTAL ACADEMIC CALENDER	Semester:-II

Week No.	Month	Week Days							No. of Working Days	Events
		MON	TUE	WED	THU	FRI	SAT	SUN		
1	JAN	23	24	25	26	27	28	29	5	Commencement of Teaching Sem II on 01 April 2023.
2		30	31						2	Course File Checking on 15th April.
	FEB			1	2	3	4	5	4	Regular Teaching & continuous assessment
3		6	7	8	9	10	11	12	6	Parents-Teachers meeting
4		13	14	15	16	17	18	19	5	Regular teaching & continuous assessment
5		20	21	22	23	24	25	26	6	University Insem Exam from 15/05/2023 to 20/05/2023
6		27	28						2	Regular teaching & continuous assessment
	MAR			1	2	3	4	5	4	Student feedback at the end of semester- II
7		6	7	8	9	10	11	12	5	submission/oral/term work/practical before 18/07/2023
8		13	14	15	16	17	18	19	6	Conclusion of teaching of Sem-II on 22/07/2023
9		20	21	22	23	24	25	26	5	University End Sem theory Exam
10		27	28	29	30	31			5	
	APR						1	2	1	
11		3	4	5	6	7	8	9	4	
12		10	11	12	13	14	15	16	5	
13		17	18	19	20	21	22	23	5	
14		24	25	26	27	28	29	30	6	
15	MAY	1	2	3	4	5	6	7	4	
16		8	9	10	11	12	13	14	6	
17		15	16	17	18	19	20	21	6	
18		22	23	24	25	26	27	28	6	
19		29	30	31					3	
No. of Week Days		19	19	19	18	18	18			

HOLIDAYS
26/01 Republic Day
19/02 Chhatrapati Shivaji Maharaj Jayanti
18/02 Mahashivratri
07/03 Dhulivandan
22/03 Gudhipadawa
30/03 Ram Navami
04/04 Mahavir Jayanti
07/04 Good Friday
14/03 Dr. BabasahebAmbedkar Jayanti
22/04 Akshay tritiya
01/05 Maharshtra Din
05/05 Buddha Purni

NOTE:-

Principal Meet will be conduct as and when required

HOD Meet will be conduct as and when required

GFM Meet will be conduct as and when required

Continuous assessment of assignment/ experiments /project/seminar by respective Guide/Subject teacher once in month.

Academic Coordinator

HOD

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY SOMESHWARNAGAR

Record No:-
Revision:- 03
Date:- 02/01/2020

TIME TABLE Div (A)

Department: First Year | **Class:** FE | **Semester:** II | **Academic Year:** 2022-23 | **W.E.F.:** 01/04/2023

DAY/TIME	9:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2.00-3.00	3:00-4:00
MONDAY	PHY	BXE	LUNCH BREAK	PHY	M-II	SHORT BREAK	PHY (A) BXE (B) EM(C)	
TUESDAY	BXE	PHY		ENV-II	EM		EG(A) M-II (Tut -B) BXE (C)	
WEDNESDAY	PHY	EG		ENV-II	Library hour		BXE (A) EG (B) PHY (C)	
THURSDAY	EM	M-II		EG(Tut)	BXE		M-II(Tut-A) EM (B) EG (C)	
FRIDAY	M-II	EM		EM	M-II		EM (A) PHY (B) M-II (Tut-C)	
SATURDAY	EM	M-II		BXE	Phy.Edu.		PBL(A,B,C)	

Choice Code	Subject Name	Faculty Name	TH/PR
107008	M-II- Engineering Mathematics II	Prof. Kadam S.S.	TH + Tut
107002	PHY- Engineering Physics	Prof. Attar K.C.	TH+PR
104010	BXE- Basic Electronics Engineering	Prof.Shinde P.S.	TH+PR
102012	EG- Engineering Graphics	Prof. Pondkule S.M.	TH+PR
101011	EM-Engineering Mechanics	Prof. Kate D.B.	TH+PR
110013	PBL- Project based learning	Prof.Kadam S.S.	PR
101014	ENV-II- Environmental Studies II	Prof.Thombare S.P.	TH
107015	Physical Education	Prof.Salunkhe K.G.	
	Library Hour	Miss.Kadam V.S.	

Batch	Roll NO.
A	FE101 to FE122
B	FE123 to FE144
C	FE 145 to FE 166

Prof. Wable N.S.
Time Table Incharge

Prof. Attar K.C.
Head of the Dept.

HEAD OF DEPARTMENT
HUMANITY AND SCIENCE

Dr.Deokar S.A.
Principal

PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Record No:-

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING AND TECHNOLOGY, SOMESHWARNAGAR

Revision:-

Date:-

TIME TABLE

Department: ELECTRICAL **Class:** SE,TE,BE **Semester:** I **Academic Year:** 2022-23 **W.E.F.:** 18/07/2022

DAY	CLASS	9:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2.00-3.00	3:00-4:00
MONDAY	SE	M-III	ADE	LUNCH BREAK	PGT	MS	SHORT BREAK	S1-EMI	
	TE	EM-II	AMA		EIDCBM	ITM		T1: PE	
	BE	PSOC	PQ		ACS	EHV		B1: PSOC	
TUESDAY	SE	EMI	MS		EMI	PGT		S1-ADE	
	TE	AMA	EIDCBM		ITM	PE		T1: EIDCBM	
	BE	ACS	PSOC		EHV	PQ		B1: ACS	
WEDNESDAY	SE	M-III	EMI		ADE	MS		S1-MS	
	TE	AMA	EIDCBM		ITM	PE		T1: EIDCBM	
	BE	PQ	PSOC		EHV	ACS		B1: PQ	
THURSDAY	SE	M-III	ADE		MS	PGT		Soft skill	
	TE	EM-II	EIDCBM		AMA	PE		T1: Seminar	
	BE	EHV	PQ		ACS	PSOC		B1: Audit Course VII	
FRIDAY	SE	PGT	ADE		M-III	EMI		Audit course-I	
	TE	EIDCBM	AMA		ITM	EM-II		Audit Course V	
	BE	MOOCs	MOOCs		Audit Course VII			Project	
SATURDAY	SE	EMI	PGT		ADE	MS		M-III(TU)	
	TE	EM-II	EIDCBM		PE	AMA		LIB	
	BE	Project	Project		Project			LIB	

Time Table Incharge
Prof. Bhosale A.C.

Head of the Dept.
Prof. Sorate S.B.

Principal
Prof. Deokar S.A.

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Record No:-

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING AND TECHNOLOGY, SOMESHWARNAGAR

Revision:-

Date:-

TIME TABLE

Department: ELECTRICAL **Class:** SE,TE,BE **Semester:** II **Academic Year:** 2022-23 **W.E.F.:** 23/01/2023

DAY	CLASS	9:00-10:00	10:00-11:00	11.00-11:45	11:45-12:45	12:45-1:45	1:45-2:00	2.00-3.00	3:00-4:00
MONDAY	SE	EM -I	NMCP	LUNCH BREAK	PS-I	NA	SHORT BREAK	S1-EM -I	
	TE	CADEM	PS II		CSE	EM		T1: PS II	
	BE	SGP	SG		AEDC	EHVAC		B1: SGP	
TUESDAY	SE	PS-I	FMA		EM -I	NA		S1-FMA	
	TE	PS II	CSE		CADEM	EM		T1: CSE	
	BE	SG	SGP		EHVAC	AEDC		B1: AEDC	
WEDNESDAY	SE	FMA	NA		EM -I	NMCP		S1 - NA	
	TE	CADEM	EM		PS II	CSE		T1: CADEM	
	BE	SGP	SG		AEDC	EHVAC		Audit Course	
THURSDAY	SE	FMA	PS-I		EM -I	NMCP		S1 -NMCP	
	TE	EM	CSE		CADEM	PS II		Internship	
	BE	SGP	SG		EHVAC	AEDC		Audit Course	
FRIDAY	SE	NA	PS-I		NMCP	FMA		S1-PBL	
	TE	EM	CSE		CADEM	PS II		Internship	
	BE								
SATURDAY	SE	NMCP	Library Hours		Audit Course -I			S1-PBL	
	TE	Audit Course			Audit Course			Library Hour	
	BE	Project			Project			Library Hour	

Time Table Incharge
Prof. Bhosale A.C.

Head of the Dept.
Prof. Sorate S.B.

Principal
Prof. Deokar S.A.

Sharadchandra Pawar College of Engineering & Technology * Nagar

DTE CODE EN6795

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY, SOMESHWARNAGAR

Record No:- ACD/R/03
Revision:- 02
10/06/2019

TIME TABLE

Department: Electrical **Class:** BE **Semester:** II **Academic Year:** 2022-23 **W.E.F.:** 23/01/2023

DAY/TIME	9:00-10:00	10:00-11:00	11:00-11:45	11.45-12:45	12:45-1:45	1.45-2:00	2:00-4:00
MONDAY	SGP	SG	LUNCH BREAK	AEDC	EHVAC	SHORT BREAK	B1: SGP
TUESDAY	SG	SGP		EHVAC	AEDC		B1: AEDC
WEDNESDAY	SGP	SG		AEDC	EHVAC		Audit Course
THURSDAY	SGP	SG		EHVAC	AEDC		Audit Course
FRIDAY	Project			Project			Library Hours
SATURDAY	Project			Project			Library Hours

Choice Code	Subject Name	Faculty Name	TH/PR	Batch	Roll NO.
403147	SGP -Switchgear & Protection	Prof.Jarande N.S.	TH+PR	B1	BE 01 to BE 16
403148	AEDC -Advanced Electronics Drives & Control	Prof.all respective Staff	TH+PR		
403149	EL-III-Smart Grid	Prof.Bhise S.S.	TH+PR		
403150	EL-IV- EHVAC Transmission	Prof.all respective Staff	TH		
403151	Project I	All Respective Staff	PR		
403152	Audit Course VI	Prof.Gawade P.D.	TH		

ACBhosale

Prof. Bhosale A.C.
Time Table Incharge

Sorate

Prof. Sorate S.B.
Head of Department

Dr. S A Deokar
Principal

Department :Electrical

Vision

Produce professional Electrical Engineers, to accept the new challenges, to serve the society and emerge as center of a excellence.

Mission

- The mission of electrical department is to impart quality technical education to deserving students from fundamentals of engineering to high technology and to prepare them for high profile career.
- To facilitate transformation of students into good human beings, responsible citizens and competent computer professionals with research attitude.
- To impart the knowledge and exposure to recent technological advancement and industrial professional practice.
- To provide consultancy services to social, educational, industrial and commercial organization.

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Record No:- ACD/R/03

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY, SOMESHWARNAGAR

Revision:-02

10/06/2019

TIME TABLE

Department: Electrical **Class:** TE **Semester:** II **Academic Year:** 2022-23 **W.E.F.:** 23/01/2023

DAY/TIME	9:00-10:00	10:00-11:00	11:00-11:45	11.45-12:45	12:45-1:45	1.45-2:00	2.00 -4.00
MONDAY	CADEM	PS II	LUNCH BREAK	CSE	EM	SHORT BREAK	T1: PS II
TUESDAY	PS II	CSE		CADEM	EM		T1: CSE
WEDNESDAY	CADEM	EM		PS II	CSE		T1: CADEM
THURSDAY	EM	CSE		CADEM	PS II		Internship
FRIDAY	CSE	PS II		EM	CADEM		Internship
SATURDAY	Audit Course			Audit Course			Library Hour

Choice Code	Subject Name	Faculty Name	TH/PR	Batch	Roll NO.
313148	PS II - Power System II	Prof Bhosale A.C	TH+PR		
303149	CADEM - Computer Aided Design of Electrical Machine	Prof Bhise S.S	TH+PR	T1	TE 01 to TE 35
303150	CSE - Control System Engineering	Prof Gawade P.D.	TH+PR		
303151	Ele II -Energy Management	Prof Shinde P.S.	TH		
303152	Internship	Prof Jarande N.S.	PR		
303153	Audit Course VI	Prof Bhosale A.C			

A.C.Bhosale

Prof. Bhosale A.C.
Time Table Incharge

Prof.

Prof. Sorate S.B.
Head of Department

Dr. S A Deokar
Principal

303150: Control System Engineering

Teaching Scheme			Credits		Examination Scheme	
Theory	03	Hr/Week	TH	03	ISE	30 Marks
Practical	02	Hr/Week/batch	TU	01	ESE	70 Marks
Tutorial	01	Hr/Week/batch	PR		OR	25 Marks
					TW	25 Marks

Prerequisite:

Laplace Transform, Ordinary differential equations.

Course Objectives: The course aims to:-

- To understand basic concepts of the classical control theory.
- To model physical systems mathematically.
- To analyze behavior of system in time and frequency domain.
- To design controller to meet desired specifications.

Course Outcomes: At the end of this course, student will be able to

CO1	Construct mathematical model of Electrical and Mechanical system using differential equations and transfer function and develop analogy between Electrical and Mechanical systems.
CO2	Determine time response of systems for a given input and perform analysis of first and second order systems using time domain specifications.
CO3	Investigate closed loop stability of system in s-plane using Routh Hurwitz stability criteria and root locus.
CO4	Analyze the systems in frequency domain and investigate stability using Nyquist plot and Bode plot
CO5	Design PID controller for a given plant to meet desired time domain specifications.

Unit 01	**Basics of Control System**	**07 hrs**

Basic concepts of control system, classification of control systems, types of control system: feedback, tracking, regulator system, feed forward system, transfer function, concept of pole and zero, modeling of Electrical and Mechanical systems (Only series linear and rotary motion) using differential equations and transfer function , analogy between electrical and mechanical systems, block diagram algebra, signal flow graph, Mason's gain formula.

Unit 02	**Time domain analysis**	**06 hrs**

Concept of transient and steady state response, standard test signals: step, ramp, parabolic and impulse signal, type and order of control system, time response of first and second order systems to unit impulse, unit step input, time domain specifications of second order systems, derivation of time domain specifications for second-order under-damped system for unit step input, steady state error and static error coefficients.

Unit 03	**Stability analysis and Root Locus**	**05 hrs**

Concept of stability: BIBO, nature of system response for various locations of poles in S-plane. Routh's-Hurwitz criterion. Root Locus: Angle and magnitude condition, Basic properties of root locus. Construction of root locus, Stability analysis using root locus.

Unit 04	**Frequency domain analysis-I**	**06 hrs**

Introduction, Frequency domain specifications, correlation between time and frequency domain specifications, polar Plot, Nyquist plot, stability analysis using Nyquist plot.

Unit	**Frequency domain analysis-II**	**06 hrs**

	SHRI SOMESHWAR SHIKSHAN PRASARAK MANDAL'S **SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING AND TECHNOLOGY, SOMESHWARNAGAR**	Record No: -ACD/R/05 Revision: -00 Date: - / /

TEACHING PLAN 2019 PATTERN

Department: Electrical Engineering **Academic Year:** 2022-23

Semester: 6th **Class:** TE **Subject:** *CSE* **Date:** 23/1/23

Teaching Scheme: **Lectures/Week:** 03 **Practical/Week:** 02 **Tutorials/Week:** 00

Examination Scheme: **In Sem:**30 **Online:** NA **End Sem:** 70

Lect No	Planned Date	Topics planned	References	Method used	Conducted Date	Sign of Faculty
		Unit 1: Basics of Control System				
1	23/1/23	Basic concepts of control system, classification of control systems,	T2 R2	Chalk n board	24/1/23	
2	24/1/23	types of control system: feedback, tracking, regulator system	T2 R2	Chalk n board	27/1/23	
3	27/1/23	feed forward system, transfer function, concept of pole and zero,	T2 R2	Chalk n board	30/1/23	
4	30/1/23	modeling of Electrical and Mechanical systems (Only series linear and rotary motion) using differential equations and transfer function	T2 R2	Chalk n board	1/2/23	
5	1/2/23	analogy between electrical and mechanical systems	T2 R2	Chalk n board	3/2/23	
6	3/2/23	block diagram algebra	T2 R2	Chalk n board	6/2/23	
7	6/2/23	signal flow graph, Mason's gain formula.	T2 R2	Chalk n board	8/2/23	
		Unit 2: Time domain analysis		Chalk n board		
8	8/2/23	Concept of transient and steady state response, standard test signals: step, ramp	T2, R3	Chalk n board	9/2/23	
9	9/2/23	parabolic and impulse signal, type and order of control system,	T2, R3	Chalk n board	10/2/23	
10	10/2/23	time response of first and second order systems to unit impulse	T2, R3	Chalk n board	21/2/23	
11	21/2/23	unit step input, time domain specifications of second order systems,	T2, R3	Chalk n board	22/2/23	

ect No	Planned Date	Topics planned	References	Metho d used	Conducted Date	Sign of Faculty
12	22/2/23	derivation of time domain specifications for second-order under-damped system for unit step input	T2, R3	Chalk n board	23/2/23	
13	23/2/23	steady state error and static error coefficients.	T2, R3	Chalk n board	24/2/23	
		Unit 03: Stability analysis and Root Locus				
14	24/2/23	Concept of stability: BIBO, nature of system response for various locations of poles in S-plane.	T2, R3	C.B	27/2/23	
15	27/2/23	Routh's-Hurwitz criterion.	T2, R3	C.B	1/3/23	
16	1/3/23	Root Locus: Angle and magnitude condition, Basic properties of root locus.	T2, R3	C.B	2/3/23	
17	2/3/23	Construction of root locus,	T2, R3	C.B	6/3/23	
18	6/3/23	Stability analysis using root locus.	T2, R3	C.B	8/3/23	
		Unit 04: Frequency domain analysis-I				
19	8/3/23	Introduction, Frequency domain specifications	T2, R3	C.B	9/3/23	
20	9/3/23	correlation between time and frequency domain specifications,	T2, R3	C.B	10/3/23	
21	10/3/23	polar Plot,	T2, R3	C.B	13/3/23	
22	13/3/23	Nyquist plot	T2, R3	C.B	14/3/23	
23	14/3/23	stability analysis using Nyquist plot.	T2, R3	C.B	16/3/23	
		Unit 05: Frequency domain analysis-II				
24	16/3/23	Introduction to Bode plot,	T2, R3	C.B	17/3/23	
25	17/3/23	Asymptotic approximation	T2, R3	C.B	21/3/23	
26	21/3/23	sketching of Bode plot	T2, R3	C.B	24/3/23	
27	24/3/23	stability analysis using Bode plot.	T2, R3	C.B	31/3/23	
28	31/3/23	Revision of all points	T2, R3	C.B	11/4/23	
		Unit 06 PID controllers and Control system components				

ct o	Planned Date	Topics planned	References	Metho d used	Conducted Date	Sign of Faculty
29	11/4/23	Basic concept of P, PI, PID controller	T2, R3	C.B	13/4/23	
30	13/4/23	design specifications in time domain and frequency domain.	T2, R3	C.B	17/4/23	
31	17/4/23	design of PID controller by Root Locus	T2, R3	C.B	19/4/23	
32	19/4/23	tuning of PID controllers using Ziegler-Nichol Methods	T2, R3	C.B	21/4/23	
33	21/4/23	Control System Components: Working principle	T2, R3	C.B	25/4/23	
34	25/4/23	transfer function of Lag network, lead network	T2, R3	C.B	28/4/23	
35	28/4/23	potentiometer, DC servo motors	T2, R3	C.B	28/4/23	

Test Books:

[T1] I.J. Nagrath, M. Gopal, "Control System Engineering", New Age International Publishers, 6th edition, 2017.

[T2] Katsuhiko Ogata, "Modern control system engineering", Prentice Hall, 2010

[T3] Nise N. S. "Control Systems Engineering", John Wiley & Sons, Incorporated, 2011

[T4] R. Anandanatrajan and P. Ramesh Babu, "Control Systems Engineering", Scitech Publication,3rd edition, 2011

[T5] C. D. Johnson, "Process Control Instrumentation Technology, 8th edition, PHI Learning Pvt. Ltd., 2013

Reference Books:

[R1] B. C. Kuo, "Automatic Control System", Wiley India, 8th Edition, 2003.

[R2] Richard C Dorf and Robert H Bishop, "Modern control system", Pearson Education, 12th edition, 2011

[R3] D. Roy Choudhary, "Modern Control Engineering", PHI Learning Pvt. Ltd., 2005.

[R4] B. Wayne Bequette, "Process Control: Modeling, Design and Simulation", PHI, 2003

HOD

PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin. 412 306)

05		
Introduction to Bode plot, Asymptotic approximation: sketching of Bode plot, stability analysis using Bode plot.		
Unit 06	**PID controllers and Control system components**	**06 hrs**
Basic concept of P, PI, PID controller, design specifications in time domain and frequency domain. design of PID controller by Root Locus, tuning of PID controllers using Ziegler-Nichol Methods Control System Components: Working principle and transfer function of Lag network, lead network, potentiometer, DC servo motors.		

Test Books:

[T1]	I.J. Nagrath, M. Gopal, "Control System Engineering", New Age International Publishers, 6th edition, 2017.
[T2]	Katsuhiko Ogata, "Modern control system engineering", Prentice Hall, 2010.
[T3]	Nise N. S. "Control Systems Engineering", John Wiley & Sons, Incorporated, 2011
[T4]	R. Anandanatrajan and P. Ramesh Babu, "Control Systems Engineering", Scitech Publication,3rd edition, 2011
[T5]	C. D. Johnson, "Process Control Instrumentation Technology, 8th edition, PHI Learning Pvt. Ltd., 2013

Reference Books:

[R1]	B. C. Kuo, "Automatic Control System", Wiley India, 8th Edition, 2003.
[R2]	Richard C Dorf and Robert H Bishop, "Modern control system", Pearson Education, 12th edition, 2011.
[R3]	D. Roy Choudhary, "Modern Control Engineering", PHI Learning Pvt. Ltd., 2005.
[R4]	B. Wayne Bequette, "Process Control: Modeling, Design and Simulation", PHI, 2003.

Unit	Text Books	Reference Books
Unit 1	T1,T2,T3	R1,R2
Unit 2	T1,T2,T3	R1,R3
Unit 3	T1,T2,T3	R2,R3
Unit 4	T1,T2,T3	R1,R3
Unit 5	T1,T2,T3	R1,R3
Unit 6	T1,T2,T5	R4

List of Tutorial:

Tutorial (Minimum ten tutorials should be conducted)

1. Reduce the given block diagram and determine overall transfer function.
2. Determine transfer function of the system represented by signal flow graph using Mason's gain formula.
3. Determine time domain specifications of given second order systems.
4. Determine static error constants and steady state error for the given systems.
5. Investigate closed loop stability of a given systems using Routh Hurwitz stability criterion.
6. Sketch the root locus of a given systems and comment on stability.
7. Sketch the polar plot of given systems.
8. Sketch the Nyquist plot of a given system, determine stability margins and comment on stability.
9. Sketch the Bode plot of a given systems, determine stability margins and comment on stability.
10. Determine the tuning parameters of PID controller using open loop step response and closed loop ultimate cycle methods of Ziegler and Nichol.
11. Design the PID controller for desired specifications using root locus approach.

List of Experiment

) Minimum five experiments should be conducted.

1. Experimental determination of DC servo motor parameters for mathematical modeling and transfer function
2. Experimental study of time response characteristics of R-L-C second order system. Validate the results using software simulation.
3. Experimental determination of frequency response of Lead compensator.
4. Experimental determination of frequency response of Lag compensator.
5. PID control of level/ Temperature/speed control system.
6. Experimental determination of transfer function of any one physical systems (AC Servomotor/ Two Tank System/ Temperature control/ Level control)
7. Experimental analysis of D.C. Motor Position control System.

B) Minimum three experiments should be conducted (perform using software)

1. Stability analysis using a) Bode plot, b) Root locus and c) Nyquist plot.
2. Effect of P, PI and PID controllers on time response of second order system.
3. Analysis of closed loop DC position control system using PID controller.
4. Effect of addition of pole-zero on root locus of second order system.
5. Effect of addition of dominant and non-dominant poles on step response of second order system.
6. PID controller for speed/position control of DC servomotor.

Guidelines for Instructor's Manual:

Instructor's Manual should contain following related to every experiment –

- Theory related to the experiment
- Apparatus with their detailed specifications.
- Connection diagram /circuit diagram
- Basic MATLAB instructions for control system/ Simulink basics
- Observation table/ Expected simulation results
- Sample calculations for one/two reading
- Result table

Guidelines for Student's Lab Journal

The Student's Lab Journal should contain following related to every experiment –

- Theory related to the experiment
- Apparatus with their detailed specifications.
- Connection diagram /circuit diagram/Simulink diagram/MATLAB program
- Observation table/ simulation results
- Sample calculations for one/two reading
- Result table, Conclusion
- Software program and result (if applicable)
- Few short questions related to the experiment.

Guidelines for Laboratory conduction

- Assessment must be based on understanding of theory, attentiveness during practical session.
- Assessment should be done how efficiently student is able to perform experiment/simulation and get the results. Understanding fundamentals and objective of experiment, timely submission of journal

।। तमसो मा ज्योतिर्गमय ।।	SOMESHWAR SHIKSHAN PRASARAK MANDAL'S **SOMESHWAR ENGINEERING COLLEGE, SOMESHWARNAGAR**	Record No: - Revision: - Date: -

PRACTICAL PLAN

Department:Electrical **Academic Year:2022-2023**

Semester: Second Sem Class:TE **Subject: CSE**

Date:23/1/2023

Teaching Scheme: Practical/Week:2hrs/Week

Examination Scheme: ORAL: -25 Marks **TW: - 25 Marks**

EXP. No.	Name of Experiment	Planned Date	Conducted Date	Sign of Faculty
1.	Experimental determination of frequency response of Lead compensator	31/1/23	31/1/23	
2	Experimental determination of frequency response of Lag compensator.	21/2/23	11/2/23	
3	Experimental study of time response characteristics of R-L-C second order system. Validate the results using software simulation.	28/2/23	28/2/23	
4	Analysis of closed loop DC position control system using PID controller.	14/3/23	14/3/23	
5	PID control of level/ Temperature/speed control system.	27/3/23	28/3/23	
6	Stability analysis using a)bode a plot b)root locus c) nyquist plot using software	28/3/23	18/4/23	
7	study of time response characteristics of R-L-C second order system effect of P-PI-PID on the system	18/4/23	2/5/23	
8	Effect of additional of poles of second order system	2/5/23	9/5/23	

Prof.GawadeP. D.
Subject In charge

Prof. Sorate S. B.
Head of the Department

Dr. Devkar S.A.
Principal

COURSE OBJECTIVE

Course Objective	Descriptions
1	To understand basic concepts of the classical control theory
2	To model physical systems mathematically.
3	To analyze behavior of system in time and frequency domain.
4	To design controller to meet desired specifications.

COURSE OUTCOMES

Course Outcomes	Descriptions
CO1	Construct mathematical model of Electrical and Mechanical system using differential equations and transfer function and develop analogy between Electrical and Mechanical systems.
CO2	Determine time response of systems for a given input and perform analysis of first and second order systems using time domain specifications.
CO3	Investigate closed loop stability of system in s-plane using Routh Hurwitz stability criteria and root locus.
CO4	Analyze the systems in frequency domain and investigate stability using Nyquist plot and Bode plot
CO5	Design PID controller for a given plant to meet desired time domain specifications.

Subject Teacher

HOD

Program Educational Objectives (PEOs) :

PEO1 : Electrical engineer graduate shall be ready for modern electrical power system, energy industry and non-conventional energy sources.

PEO2 : Electrical engineer graduate shall be able to enhanced analytical skill to solve industrial problem and work as a entrepreneur.

PEO3 : Electrical engineer graduate shall be able promote the awareness of green technologies by considering environmental aspects.

PEO4 : Electrical engineer graduate shall be able to work in multi-disciplinary platform for system optimization.

Program Specific Outcomes (PSO) :

PSO1 : The graduate will be able to model and design electrical equipment and electrical power system.

PSO2 : The graduate will be able to identify and rectify the trouble shooting in electrical system.

PSO3 : The graduate will be able to understand the importance of financial aspects in power system infrastructure development by considering social and environmental needs.

PSO4 : The graduate will be able to test and verify electrical equipment through experimentation.

Programs Outcomes(PO'S)

Engineering Graduates will be able to:

- **1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

- **6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

- **7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

- **8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

- **9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

- **10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- **11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

- **12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Shri Someshwar Shikshan Prasarak Mandal's

SHARADCHANDRA PAWAR COLLEGE OF ENGINEERING & TECHNOLOGY,

SomeshwarNagar

Department of Electrical Engineering

SOLVED QUESTION PAPER

Shri Someshwar Shikshan Prasarak Mandal's

8 pages

SOMESHWAR ENGINEERING COLLEGE

Tal : Baramati, Dist : Pune

CLASS TEST NO.: .....

Answer Sheet No. 3923

Roll No. (In figures) :

Name of the Student : Date of Exam : / /20

Name of the Subject : Control system Engg Class TE EE

Main Ans. Book	No.of Supplement	Total	
1	+	=	Signature Of Supervisor

Q. No.	1	2	3	4	5	6	7	8	9	10	TOTAL MARKS	Signature of Examiner
Marks												

May 2022 (Write on both sides and start writing from this page.)

2.1 a) What is angle and magnitude criterion for a point to be on root Locus.
Explain any five rules for sketching of root locus.

→ Magnitude and angle criterion for a point to be on root locus -

To obtain characteristic equation of root locus is,

$$1 + G(s)\cdot H(s) = 0$$

$$\therefore G(s)\cdot H(s) = -1$$

As the s-plane is complex, we can write

$$G(s)\cdot H(s) = -1 + 0j$$

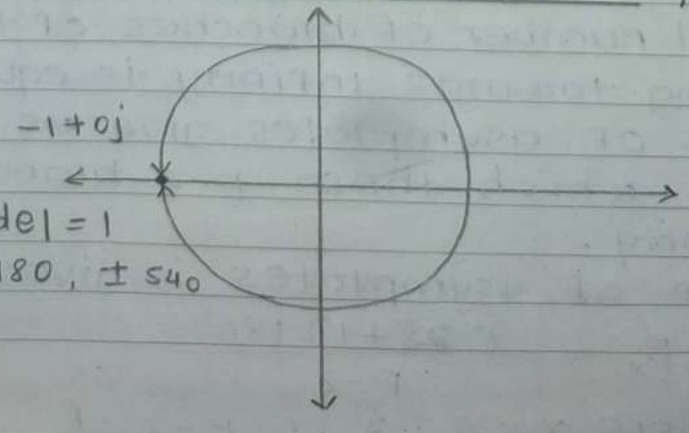
This equation has magnitude is,

$$|G(s)\cdot H(s)| = |-1 + 0j| = 1 \quad \text{---} \quad (1)$$

Phase eqn is $\angle G(s)\cdot H(s) = \pm 180^\circ$

- But since $-1+0j$ point can be traced with an angle of $\pm 180, \pm 540, \pm 900, \ldots$, we can thus have a generalized angle condition as,

$$\angle G(s)\cdot H(s) = \pm (2x+1)\,180^\circ \; ; \; x = 0, 1, 2 \quad \text{---} \quad (2)$$



Rules for sketching of root locus

Rule 1 : The root locus is symmetric about the real axis.

Irrespective of the system, the root locus that we construct will always be symmetric about the real axis.

Rule 2 : Total number of loci

The total number of loci will be equal to max (p,z) where p is the number of open loop poles and z is the number of open loop zeros.

Total number of branches of the root locus tending towards infinity is equal to p-z.

for $G(s) = \frac{k(s+6)}{s(s+2)(s+5)}$; $H(s) = 1$, $p = 3$, $z = 1$

∴ The number of loci = max (p,z)

= max (3,1) = 3

Total number of loci tending to ∞ = p-z = 3-2 = 1

Rule 3 : Real axis loci

A point on the real axis lies on the root locus if the total number of real open loop poles and open loop zeros to the right hand side of this point is odd.

Rule 4 : Angle of asymptotes.

Total number of branches of the root locus tending towards infinity is equal to p-z. The angle of asymptotes give us the direction along which these p-z branches approach infinity.

Angle of asymptotes is given by the formula

$$\beta_x = \frac{(2x+1)\,180^\circ}{p-z}$$

Rule 5 : centroid :

centroid a point on the real axis, through which the asymptotes pass.

In other words, the asymptotes touch the real axis at a point called centroid, σ_c

$$\sigma_c = \frac{\Sigma \text{Real parts of poles of OLTF} - \Sigma \text{Real parts of zero of OLTF}}{P - Z}$$

(b) The OLTF of a unity feedback system is given by $G(s) = \frac{K}{(s+2)(s+4)(s^2+6s+25)}$. By applying routh criterion determine stability of system. Find value of k which will cause sustained oscillations. Determine frequency of sustained oscillations.

→ Solution :

The characteristic equation is,

$$1 + G(s) \cdot H(s) = 0$$

$$\therefore 1 + \frac{K}{(s+2)(s+4)(s^2+6s+25)} = 0$$

$$(s+2)(s+4)(s^2+6s+25) + K = 0$$

$$\therefore s^4 + 12s^3 + 69s^2 + 198s + (200+K) = 0$$

We construct the Routh array

$a_0 = 1,\ a_1 = 12,\ a_2 = 69,\ a_3 = 198,\ a_4 = 200+K$

s^4	1	69	$200+K$
s^3	12	198	0
s^2	52.5	$200+K$	0
s^1	$\frac{7995-12K}{52.5}$	0	
s^0	$200+K$		

For stability there should be no sign change in the 1st column of the Routh array

$$200 + K > 0$$

$$K > -200$$

$$\frac{7995 - 12K}{52.5} > 0$$

$\therefore -12K > -7995$

$\therefore K \lesssim 666.25$

for sustained oscillations, the system should be marginally stable. A marginal system has a row of zeros

$$\therefore \frac{7995 - 12K}{52.5} = 0$$

$\therefore K = K_{mar} = 666.25$

We put this value of K_{mar} in the auxiliary eqn,

ie, $52.5\,s^2 + (200 + K_{mar}) = 0$

$\therefore 52.5\,s^2 + 200 + 666.25 = 0$

$\therefore 52.5\,s^2 = -866.25$

$\therefore s^2 = 16.5$

$s = \pm j\,4.06$

$s = \pm j\omega$

$\therefore \omega = 4.06$ rad/sec.

$\boxed{K = 666.25}$

System oscillates with a frequency ω = 4.06 rad/sec.

Q.2) a) Explain routh Hurwitz criterion for stability. Explain special cases of routh's criterion.

→ Routh Hurwitz criterion for stability - Using these method, one can tell how many closed loop system poles are in the LHP, RHP and on the $j\omega$-axis.

Using Routh's array we can find no. of poles in each section but not their positions like the Hurwitz criterion, we work with the characteristic equation.

Shri. Someshwar ShikshanPrasarakMandal's

Sharadchandra Pawar College of Engineering & Technology,

Someshwarnagar

Department of Electrical Engineering

Date-11/11/2022

NOTICE

All the students of **B.E & T.E Electrical** Engineering are hereby informed that, an industrial visit for subject **EIDCBM & PSOC** is arranged on **Saturday, 12/11/2022,** at **33/11KV Murum Substation Waghalwadi.** Attendance is must, students should report at 10.00 am. Absent students will be responsible for their academic loss.

11.11.22

H.O.D.

(Electrical Engineering)

Subject Teacher

Prof. Gawade P.D. 11/11/22

Prof. Bhosale A.C.

Sharadchandra Pawar College of Engineering & Technology ★ Someshwarnagar ★ DTE CODE EN6795

PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)

II Tamaso ma Jyotirgamaya II
Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal.Baramati, Dist. Pune (Pin : 412 306) Maharashtra, India
Approved by AICTE New Delhi, Recognised by Govt. of Maharashtra &
Affilited to Savitribai Phule Pune University, Pune, Id. No. PU/PN. Engg./445/2012
Ph : (02112) 253185, Fax : (02112) 283185

Ref. No. : SPCE/ 99 /2022 - 2023

Date : 12 / 11 /2022

To,
Deputy Executive Engineer,
Someshwar Subdivision,
33/11 KV Murum Substation,
Waghalwadi Someshwarnagar

Subject: About permission for the technical visit to Substation,Waghalwadi.

Dear Sir,

Sharadchandra Pawar College of Engineering and Technology, established in 2012, is one of the self-financed Engineering colleges approved by AICTE New Delhi, Government of Maharashtra and DTE Mumbai. The institute is affiliated to Savitribai Phule Pune University (SPPU). The institute offers Engineering Courses in Mechanical Engineering, Civil Engineering, Computer Engineering, and Electrical Engineering leading to BE degree as per SPPU University Curriculum.

As a part of the curriculum for the subject **Electrical Installation Design & Condition based Maintenance and Power System Operation & Control** the students are required to undertake industrial visits to a few industries of repute. In the above background, we would like to send a batch of about 37 students of T.E. Electrical & 16 Students B.E Electrical accompanied by 2 staff members to visit your esteemed industry.

I request you, too kindly accord the necessary permission for the above visit and arrange it for guiding the students. We assure you that our students will observe the rules and regulations that are prescribed by your company for the visitors and will in no way disturb the functioning of the company during their visit.

We shall be grateful for a favorable response.

Thanking You,

Sharadchandra Pawar College of Engineering & Technology * DTE CODE EN0795 * Someshwarnagar

Yours truly

PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology

02-11-2022
जावक लिपिक
श.रा.ति.वि कंपनी मर्या. सोमेश्वर ता.बि

II Tamaso ma Jyotirgamaya II
Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal.Baramati, Dist. Pune (Pin : 412 306) Maharashtra, India
Approved by AICTE New Delhi, Recognised by Govt. of Maharashtra &
Affilited to Savitribai Phule Pune University, Pune, Id. No. PU/PN. Engg./445/2012
Ph : (02112) 253185, Fax : (02112) 283185

Ref. No. : SPCE/ 134 /2022 - 2023

Date : 12/11/2022

To

Deputy Executive Engineer,

33/11 KV Murum Substation Waghalwadi.

Subject: Vote of thanks for allow Industrial visit in your industry.

Dear Sir,

On the behalf of Shri. Someshwar Shikshan Prasarak Mandal's Sharadchandra Pawar College of Engineering & Technology, Someshwarnagar, Tal.Baramati, Dist. Pune, we are very much thankful for allowing our students to visit your organization on **12th November 2022**. We are confident that the information shared by you during this visit will surely help our students for their future career and improving excellence in academics. We would like to continue such interaction with you in future also.

With Regards.

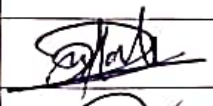
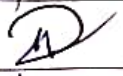
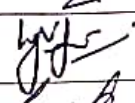
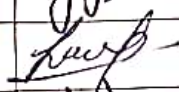
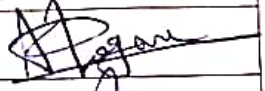
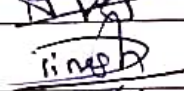
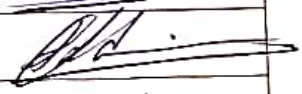
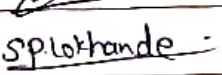
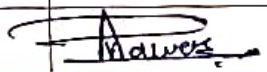
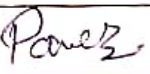
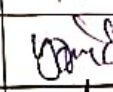
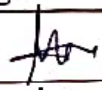
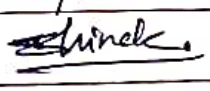
Sharadchandra Pawar College of Engineering & Technology ★ Someshwarnagar ★ DTE CODE EM6795

Principal

PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)

STUDENT ATTENDANCE BE ELECTRICAL (2022-23)

DATE:-12/11/22

Roll No	Name of Student	Sign
EE- 401	DEOKAR UTKARSH SURESH	
EE - 402	DINESH ARVIND JADHAV	
EE- 403	DURGADE SAMBHAJI MOHAN	
EE - 404	GARDE PRATIK PRAKASH	
EE - 405	HAGARE PRASHANT ASHOK	
EE - 406	HAKE DHONDIBA BHAGAVAN	
EE - 407	KADAM SAMEER DILIP	
EE - 408	LOKHANDE SAKSHI PRAMOD	
EE - 409	NALE TEJAS KANTILAL	
EE - 410	NAVNATH RAMDAS SALUNKHE	
EE - 411	NILESH DNYANDEO NALAWADE	
EE - 412	PAWAR AKASH VITTHAL	
EE - 413	PAWAR SANDIP DIPAK	
EE- 414	PUSHPAL HANUMANTRAO MORE	
EE - 415	RANAWARE PRATIK DNYANESHWAR	
EE - 416	SHINDE GAURAV RAMCHANDRA	

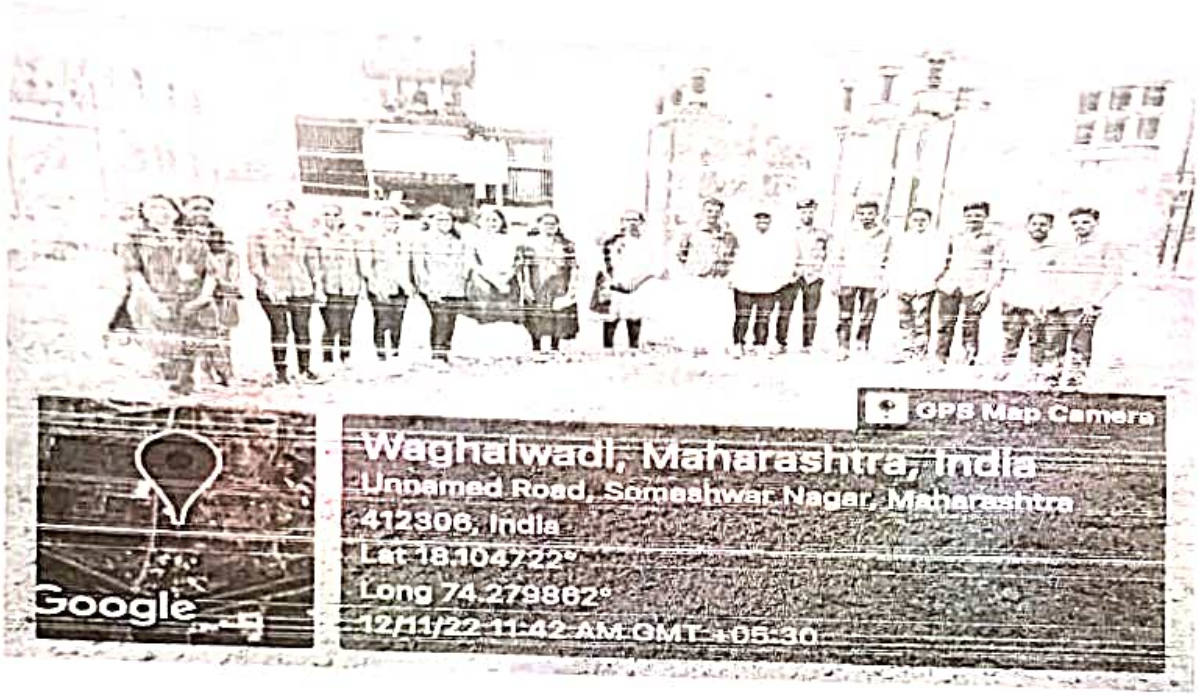
TE ELECTRICAL ATTENDANCE SHEET(2022-23)_

Date :-12/11/22

ROLL NO	NAME OF STUDENT	SIGN
1	ADAKI ABHISHEKH	
2	BHANDAWALKAR SANKET DHANJAY	
3	CHAVAN SAKSHEE SUBHASH	
4	DHASADE PRITEE MOHAN	
5	DHONE AKASH SURESH	
6	DHUMAL SHUBHAM JAYANT	
7	GAIKWAD RUSHIKESH DASHARATH	
8	GAWALI ABHISHEK SATISH	
9	JAGDALE OMKAR MAHESH	
10	JAGTAP ANANT MACHINDRA	
11	JAGTAP NISHIKANT MADHUKAR	
12	JAGTAP SURAJ CHANGDEO	
13	JARAD RUSHIKESH VISHWAS	
14	KALE AMAR WAGHAMABAR	
15	KALBHOR SAKSHI TUKARAM	
16	KHOMANE PADMAKAR POPAT	
17	KINHALE DIKSHA RAJENDRA	
18	KUDALE OM SANJAY	
19	KUDALE TUSHAR ARVIND	
20	PAWAR SHIVAM ANILKUMAR	
21	PHADAKE DNYANESHWAR DASHART	
22	PILANE SANIYA RAVINDRA	
23	SASTE SWAPNIL	
24	SHILIMKAR ROHIT BABANRAO	
25	SHINDE ADITYA UTTAM	
26	SONWANE SAGAR MADHUKAR	
27	SURYWANSHI PRASAD MANOHAR	
28	TAKAWALE RANJIT RAMBHAU	
29	JAGTAP RANJIT	
30	WABALE SANDIP DIPAK	
31	WABLE VIDYA SHIVAJI	
32	WAYAL PRATIK RAJENDRA	
33	NIGADE TUSHAR	
34	GAIKWAD KRUSHNA	
35	GADEKAR SUMIT	
36	MOTE AJIT	

Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering and Technology,
Someshwarnagar
Department of Electrical Engineering

Industrial Visit Report



Name and address of industry- 33/11 KV Murum Substation, Waghalwadi

Date of Visit-12th November 2022

Staff Coordinator- Gawade P.D. Assistant prof.& Bhosale A.C. Assistant Prof.

Objectives of Visit-. The visit was carried out under subject of power system operation and control drive & EIDCBM to understand

1. To understand how to maintain the stability of supply system in the distribution substation.
2. To understand the constructional parts and working of transformer & other substation equipment's.

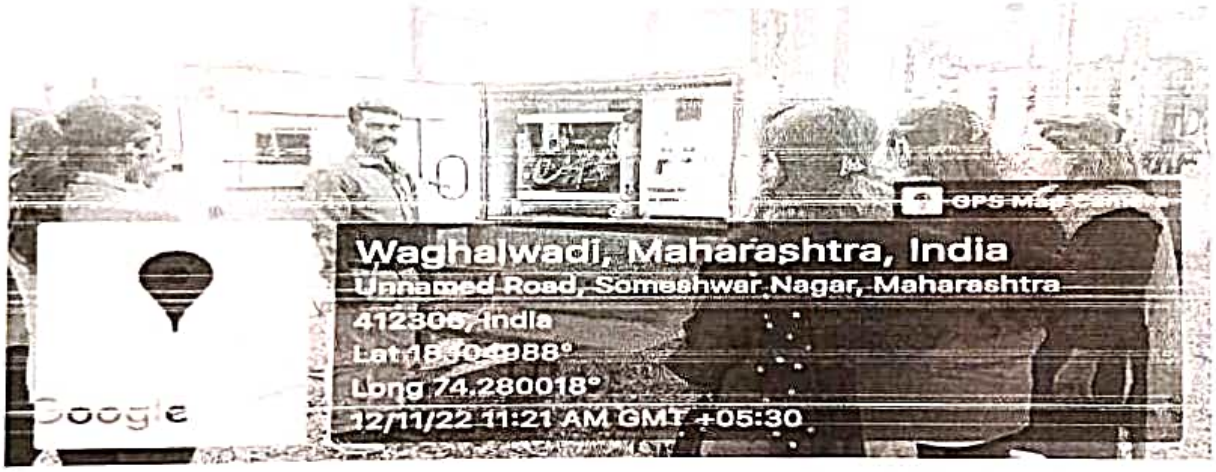
Outcome of Visit-Students understood the construction & working of transformer and other substation equipment. also see how they are actually work during. this visit will improve student knowledge about substation.

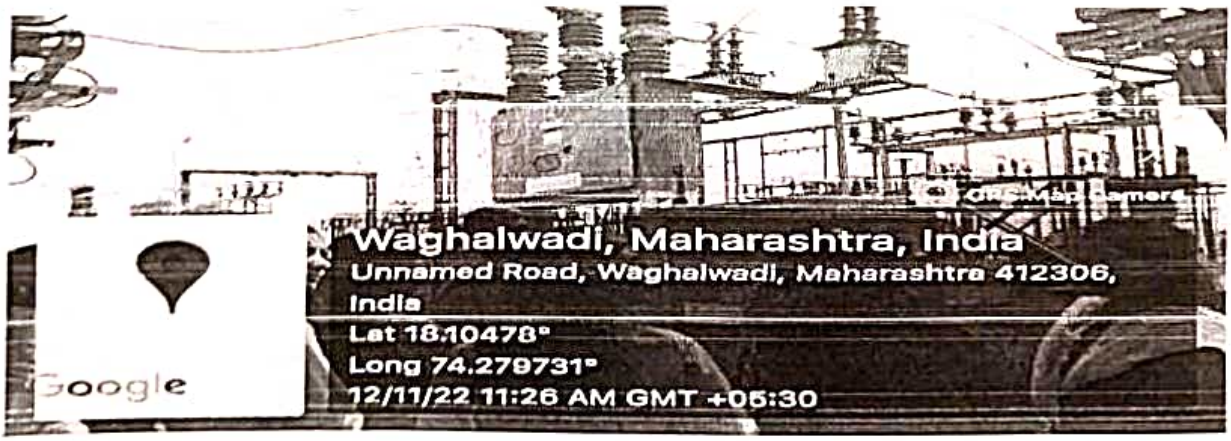
Information of visit in brief- Industrial visit was arranged especially for the students of final year & Third year Electrical Engineering in order to get practical exposure and to understand the basic parts and working of different electrical equipment which is used in substation.

In addition to types of earthing, different types of insulators, switch, and also student learn about maintenance of various equipment used in substation. & concept of breakdown maintenance and preventative maintenance was explained.

Value addition through industrial visit-Besides the objectives of visit, the following additional technical information was given to the students during the visit.

- Types of earthing, how substation system can work.
- Information of preventive and breakdown maintenance.
- Control panel information.





Signature of faculty

Signature of HOD

Shri. Someshwar ShikshanPrasarakMandal's

Sharadchandra Pawar College of Engineering & Technology,

Someshwarnagar

Department of Electrical Engineering

Date-10/10/2022

NOTICE

All the students of **B.E & T.E Electrical** Engineering are hereby informed that, an industrial visit for subject **Electrical Machine II & Advanced Control System** is arranged on **Friday, 11/11/2022,** at **Mallick Electrical Company & Narayan Electrical Energy saving company, Baramati**. Attendance is must, students should report at 09.00 am. Absent students will be responsible for their academic loss.

Arale
10/11/22.
H.O.D.

(Electrical Engineering)

Subject Teacher

Prof. Bhosale A.C. Acbhosale 10/11/22

Prof. Gawade P.D PGawade 10/11/22.

Sharadchandra Pawar College of Engineering & Technology ★ Someshwarnagar ★ DTE CODE EN6795

PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)

II Tamaso ma Jyotirgamaya II
Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal.Baramati, Dist. Pune (Pin : 412 306) Maharashtra, India
Approved by AICTE New Delhi, Recognised by Govt. of Maharashtra &
Affilited to Savitribai Phule Pune University, Pune, Id. No. PU/PN. Engg./445/2012
Ph : (02112) 253185, Fax : (02112) 283185

Ref. No. : SPCE/ 126/ /2022 - 2023 Date : 11 / 11 /2022

To,
The Manager,
Mallick Electrical Company,Baramati,

Subject: About permission for the technical visit to Mallick ElectricalCompany,Baramati

Dear Sir,

Sharadchandra Pawar College of Engineering and Technology, established in 2012, is one of the self-financed Engineering colleges approved by AICTE New Delhi, Government of Maharashtra and DTE Mumbai. The institute is affiliated to Savitribai Phule Pune University (SPPU). The institute offers Engineering Courses in Mechanical Engineering, Civil Engineering, Computer Engineering, and Electrical Engineering leading to BE degree as per SPPU University Curriculum.

As a part of the curriculum for the subject **Electrical Machine & Advanced Control System** the students are required to undertake industrial visits to a few industries of repute. In the above background, we would like to send a batch of about 40 students of T.E. Electrical & B.E Electrical accompanied by 3 staff members to visit your esteemed industry.

I request you, too kindly accord the necessary permission for the above visit and arrange it for guiding the students. We assure you that our students will observe the rules and regulations that are prescribed by your company for the visitors and will in no way disturb the functioning of the company during their visit.

We shall be grateful for a favorable response.

Thanking You,

Yours truly

Sharadchandra Pawar College of Engineering & Technology ★ Someshwarnagar ★ DTE CODE EN2736 1

PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)

Email : sspm1972@gmail.com

II Tamaso ma Jyotirgamaya II
Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal.Baramati, Dist. Pune (Pin : 412 306) Maharashtra, India
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Ph : (02112) 253185, Fax : (02112) 283185

Ref. No. : SPCE/127/ /2022 - 2023

Date : 31 / 11/2022.

To

The Manager,

Mallick Electrical Company Baramati.

Subject: Vote of thanks for allow Industrial visit in your industry.

Dear Sir,

On the behalf of Shri. Someshwar Shikshan Prasarak Mandal's Sharadchandra Pawar College of Engineering & Technology, Someshwarnagar, Tal.Baramati, Dist. Pune, we are very much thankful for allowing our students to visit your organization on **11th November 2022**. We are confident that the information shared by you during this visit will surely help our students for their future career and improving excellence in academics. We would like to continue such interaction with you in future also.

With Regards.

SRG

Principal

Sharadchandra Pawar College of Engineering & Technology ★ Someshwarnagar ★
DTE CODE EN6796

PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)

II Tamaso ma Jyotirgamaya II
Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology
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Ph : (02112) 253185, Fax : (02112) 283185

Ref. No. : SPCE/RS/ /2022-2023 Date : 11 / 11 /2022.

To

The Manager,

Narayan Electrical Energy saving company, Pandare Baramati.

Subject: Vote of thanks for allow Industrial visit in your industry.

Dear Sir,

On the behalf of Shri. Someshwar Shikshan Prasarak Mandal's Sharadchandra Pawar College of Engineering & Technology, Someshwarnagar, Tal.Baramati, Dist. Pune, we are very much thankful for allowing our students to visit your organization on **11th November 2022**. We are confident that the information shared by you during this visit will surely help our students for their future career and improving excellence in academics. We would like to continue such interaction with you in future also.

With Regards.

Principal

Sharadchandra Pawar College of Engineering & Technology * Someshwarnagar * DTE CODE EN6796

PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune - 412 305

II Tamaso ma Jyotirgamaya II
Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal.Baramati, Dist. Pune (Pin : 412 306) Maharashtra, India
Approved by AICTE New Delhi, Recognised by Govt. of Maharashtra &
Affilited to Savitribai Phule Pune University, Pune, Id. No. PU/PN. Engg./445/2012
Ph : (02112) 253185, Fax : (02112) 283185

Ref. No. : SPCE/124/ /2022 - 2023

Date : 21 / 11 /2022.

To,
The Manager,
Narayan Electrical Energy Saving Company,Pandare.

Subject: About permission for the technical visit to Narayan Electrical Energy Saving Company, Pandare Baramati

Dear Sir,

Sharadchandra Pawar College of Engineering and Technology, established in 2012, is one of the self-financed Engineering colleges approved by AICTE New Delhi, Government of Maharashtra and DTE Mumbai. The institute is affiliated to Savitribai Phule Pune University (SPPU). The institute offers Engineering Courses in Mechanical Engineering, Civil Engineering, Computer Engineering, and Electrical Engineering leading to BE degree as per SPPU University Curriculum.

As a part of the curriculum for the subject **Electrical Machine & Advanced Control System** the students are required to undertake industrial visits to a few industries of repute. In the above background, we would like to send a batch of about 40 students of T.E. Electrical & B.E Electrical accompanied by 3 staff members to visit your esteemed industry.

I request you, too kindly accord the necessary permission for the above visit and arrange it for guiding the students. We assure you that our students will observe the rules and regulations that are prescribed by your company for the visitors and will in no way disturb the functioning of the company during their visit.

We shall be grateful for a favorable response.

Thanking You,

Sharadchandra Pawar College of Engineering & Technology * Someshwarnagar * DTE CODE EN6736 1

Yours truly

STUDENT ATTENDANCE BE ELECTRICAL

DATE:-11/11/22

Roll No	Name of Student	Sign	Fee
EE- 401	DEOKAR UTKARSH SURESH		
EE - 402	DINESH ARVIND JADHAV		✓
EE- 403	DURGADE SAMBHAJI MOHAN		
EE - 404	GARDE PRATIK PRAKASH		✓
EE - 405	HAGARE PRASHANT ASHOK		
EE - 406	HAKE DHONDIBA BHAGAVAN		✓
EE - 407	KADAM SAMEER DILIP		
EE - 408	LOKHANDE SAKSHI PRAMOD	S.P Lokhande	
EE - 409	NALE TEJAS KANTILAL		✓
EE - 410	NAVNATH RAMDAS SALUNKHE		✓
EE - 411	NILESH DNYANDEO NALAWADE		
EE - 412	PAWAR AKASH VITTHAL		✓
EE - 413	PAWAR SANDIP DIPAK		✓
EE- 414	PUSHPAL HANUMANTRAO MORE		✓
EE - 415	RANAWARE PRATIK DNYANESHWAR		
EE - 416	SHINDE GAURAV RAMCHANDRA		✓

STUDENT ATTENDANCE

DATE:-11/11/2022

ROLL NO	NAME OF STUDENT	SIGN	Fee
1	ADAKI ABHISHEKH		
2	BHANDAWALKAR SANKET DHANJAY	SBg.	✓
3	CHAVAN SAKSHEE SUBHASH	Sakshi.	
4	DHASADE PRITEE MOHAN	Dhasade	✓
5	DHONE AKASH SURESH	Dhone.	
6	DHUMAL SHUBHAM JAYANT	Shubham.	
7	GAIKWAD RUSHIKESH DASHARATH	Rushikesh.	
8	GAWALI ABHISHEK SATISH		✓
9	JAGDALE OMKAR MAHESH	Jagdale.	
10	JAGTAP ANANT MACHINDRA		
11	JAGTAP NISHIKANT MADHUKAR	Nishikant.	
12	JAGTAP SURAJ CHANGDEO	Jum.	
13	JARAD RUSHIKESH VISHWAS	Jarad.	
14	KALE AMAR WAGHAMABAR	Kale.	
15	KALBHOR SAKSHI TUKARAM	Kalbhor.	✓
16	KHOMANE PADMAKAR POPAT	Khomane.	
17	KINHALE DIKSHA RAJENDRA	Kinhale	✓
18	KUDALE OM SANJAY	Om.	
19	KUDALE TUSHAR ARVIND	Kum.	
20	PAWAR SHIVAM ANILKUMAR	Shivam.	
21	PHADAKE DNYANESHWAR DASHART	Phad.	
22	PILANE SANIYA RAVINDRA	Pilane	✓
23	SASTE SWAPNIL	Swapnil	
24	SHILIMKAR ROHIT BABANRAO	Rohit	
25	SHINDE ADITYA UTTAM	Aditya	
26	SONWANE SAGAR MADHUKAR		
27	SURYWANSHI PRASAD MANOHAR	Prasad	
28	TAKAWALE RANJIT RAMBHAU		
29	JAGTAP RANJIT	Ranjit.	
30	WABALE SANDIP DIPAK	Sandip.	
31	WABLE VIDYA SHIVAJI	Vidya	✓
32	WAYAL PRATIK RAJENDRA	Pratik	
33	NIGADE TUSHAR	Tushar	
34	GAIKWAD KRUSHNA	Kr. Gaikwad	✓
35	GADEKAR SUMIT	Sumit.	
36	MOTE AJIT	Mote.	

SE (Elect)

Date
Page

Visit

			fee
1)	Jagtap Prachi Santosh	PS Jagtap.	✓
2)	Kadam Sayali baban	Kadam	✓
3)	Pawar Pratiksha Bhanudas	Pawar	✓
4)	Pawar Sanjana Vijay	Spawar.	✓
5)	Rasal Shubham Santosh	Rasal	✓
6)	Dhumal Sunny Narayan	SN Dhumal	
7)	Jagtap shreeraj umesh	SU Jagtap.	

Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering and Technology,
Someshwarnagar
Department of Electrical Engineering

Industrial Visit Report

Name and address of industry- Mallick Electrical Company & Narayan Electrical Energy Saving Company, Baramati, Dist-Pune.

Date of Visit-11th November 2022

Staff Coordinator- Gawade P.D. Asistant prof.

Objectives of Visit-. The visit was carried out under subject of Electrical Machine-II & Advance Control system to understand

1. To be familiar with industrial environment and to get practical knowledge of electrical machine, to get basic knowledge about electrical machine
2. To understand the constructional parts and working of electrical motors & also testing of rewinding faulty motors.

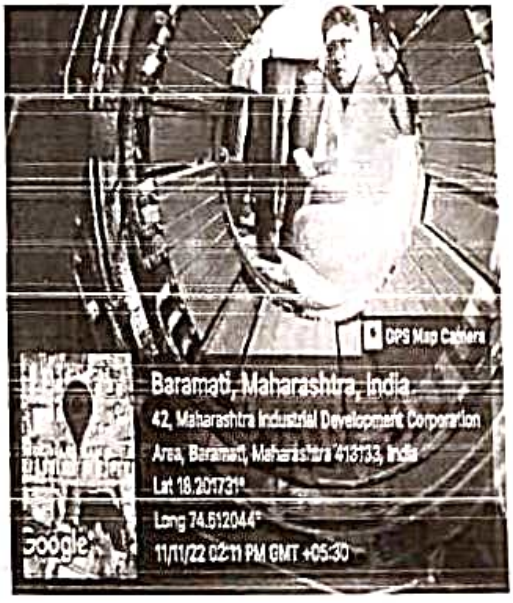
Outcome of Visit-Students understood the construction & working of electrical machines & also see how the machines are manufacture. this visit will improve student knowledge about electrical machines.

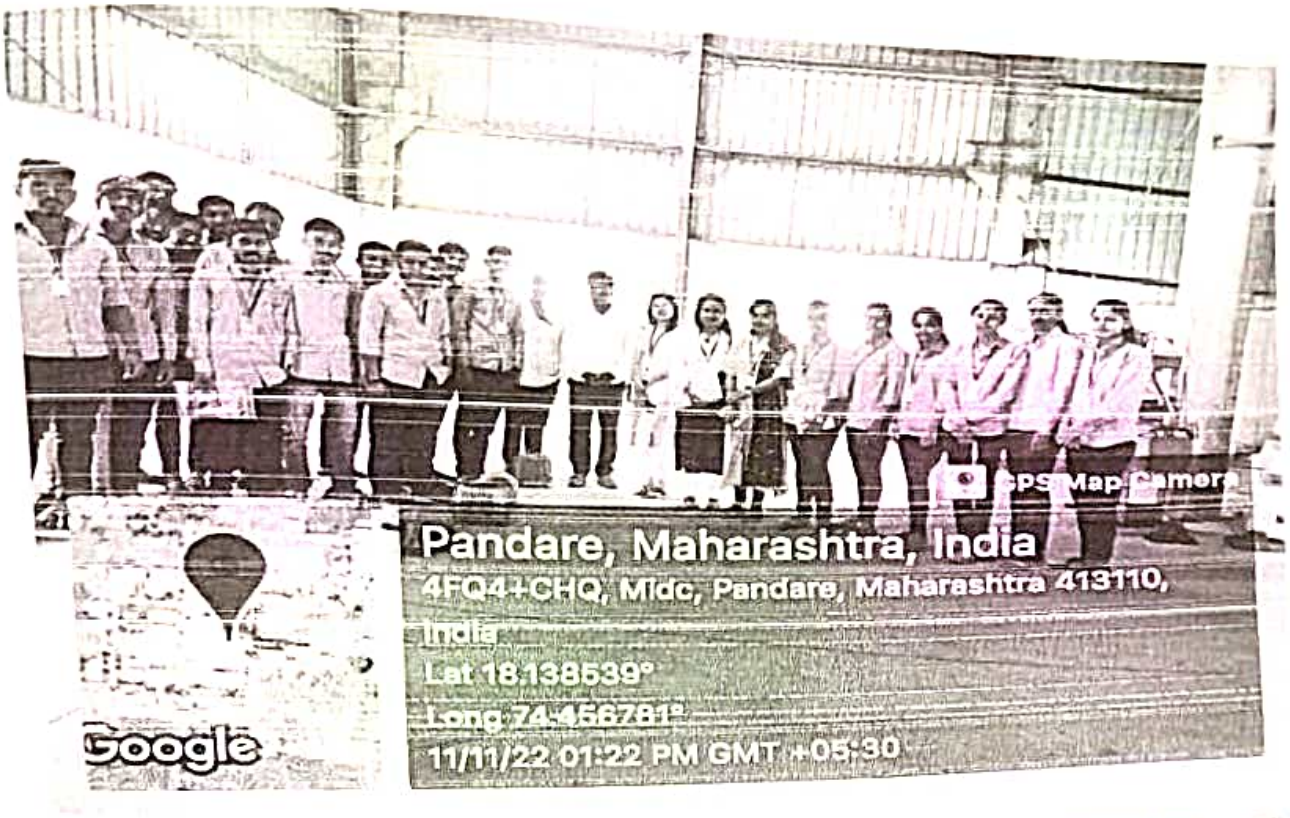
Information of visit in brief- Industrial visit was arranged especially for the students of final year & Third year Electrical Engineering in order to get practical exposure and to understand the basic constructional parts and working of different electrical motors. The groups of 5 to 6 students were made and for each group can see the demonstration of motors.

In addition to motor rewinding, varnishing, how to test rewind motors and also student learn about maintenance of various body parts of electric motors. & concept of breakdown maintenance and preventative maintenance was explained.

Value addition through industrial visit-Besides the objectives of visit, the following additional technical information was given to the students during the visit.

- Demonstration of motor rewinding.
- Information of preventive and breakdown maintenance.
- Motor maintenance





Signature of faculty

Signature of HOD

Shri. Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology, Someshwarnagar
Department of First year Engineering

Shri. Someshw
Factory vi
23/02/202

Date 22-02-2023

NOTICE

All the students of FE are hereby informed that, an Industrial Visit for subject, **Systems in Mechanical Engineering** is arranged on **23-02-2023**, at **Shri Someshwar Sahakari Sakhar Karkhana.** Students should report at 9: 00 am. At college with proper college uniform, ID cards and shoes. Absent students are responsible for their academic loss.

Note: All students should remain present at 9.00 am at college.
Attendance is must.

Subject Teacher

Head of Department

Name and Address of Industry

Shri Someshwar Sahakari Sakhar Karkhana LTD
Someshwarnagar,
Baramati

Shri. Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology, Someshwarnagar
Department of First year Engineering

Shri. Someshw
Factory v
23/02/202

Date 22-02-2023

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Subject Teacher

Head of Department

Name and Address of Industry

Shri Someshwar Sahakari Sakhar Karkhana LTD
Someshwarnagar,
Baramati

II Tamaso ma Jyotirgamaya II
Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal.Baramati, Dist. Pune (Pin : 412 306) Maharashtra, India
Approved by AICTE New Delhi, Recognised by Govt. of Maharashtra &
Affilited to Savitribai Phule Pune University, Pune, Id. No. PU/PN. Engg./445/2012
Ph : (02112) 253185, Fax : (02112) 283185

Ref. No. : SPCE/ 228 /2022-2023 Date : 22/2/2023

To,
The Managing Director,
Shri Someshwar Sahakari Sakhar Karkhana LTD,
Someshwarnagar.

Subject: Permission for Industrial Visit.

Dear Sir,

Sharadchandra Pawar College of Engineering and Technology, established in 2012, is one of the self-financed Engineering colleges approved by AICTE New Delhi, Government of Maharashtra and DTE Mumbai. The institute is affiliated to Savitribai Phule Pune University (SPPU). The institute offers Engineering Courses in Mechanical Engineering, Civil Engineering, Computer Engineering, and Electrical Engineering leading to BE degree as per SPPU University Curriculum.

As a part of the curriculum for the subject **Systems in Mechanical Engineering** the students are required to undertake industrial visits to a few industries of repute. In the above background, we would like to send a batch of about 125 students of First Year Engineering accompanied by 8 staff members to visit your esteemed plant.

I request you, too kindly accord the necessary permission for the above visit and arrange it for guiding the students. We assure you that our students will observe the rules and regulations that are prescribed by your company for the visitors and will in no way disturb the functioning of the company during their visit.

We shall be grateful for a favorable response.

Thanking You,

22/2/23
श्री सोमेश्वर सह.साखर कारखाना लि.
सोमेश्वरनगर-४१२३०६ ता.बारामती(पुणे)

Sharadchandra Pawar College of Engineering & Technology Someshwarnagar DTE CODE EN6745

Yours truly,
PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (412 306)

So permitted to visit

II Tamaso ma Jyotirgamaya II
Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal.Baramati, Dist. Pune (Pin : 412 306) Maharashtra, India
Approved by AICTE New Delhi, Recognised by Govt. of Maharashtra &
Affilited to Savitribai Phule Pune University, Pune, Id. No. PU/PN. Engg./445/2012
Ph : (02112) 253185, Fax : (02112) 283185

Ref. No. : SPCE/ 229 /2022 - 2023 Date : 23 / 2 /2023

To,
The Managing Director,
Shri Someshwar Sahakari Sakhar Karkhana LTD,
Someshwanagar.

Subject: Vote of Thanks.

Dear Sir,

On the behalf of Shri Someshwar Shikshan Prasark Mandal's Someshwar Engineering College, Someshwar, Tal-Baramati, Dist-Pune, we are very much thankful to you for permitting our students for visit in your site on 23/02/2023.We are also thankful for giving guidance on Mechanical Systems and Manufacturing Systems to the students during this visit.

We are confident that information shared by you during visit to your site will surely help our students for future career and improving excellence in academics. We would like to continue such industry-institute interaction with your organization in future also.

With Regards.

Sharadchandra Pawar College of Engineering & Technology * Someshwarnagar * DTE CODE EN6795

Yours truly
PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)

23/2/23
Shri Someshwar S.S.K.Ltd.
Someshwarnagar, Tal.Baramati,Dist-Pune

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Sharadchandra Pawar College of Engineering & Technology,Someshwarnagar.

Department: Humanity and Science

Attendance for Industrial Visit

Class: F.E. Div (A) **Sub - SME** Date-23/02/2023

Sr.No	Roll No	Name of Student	Sign
1	FE101	AGHAV RUSHIKESH SOPAN	RAgav
2	FE102	AMRALE EKTA SHANKAR	Amrale
3	FE103	AVALKAR PRATHAMESH SOPAN	Avalkar
4	FE104	AWACHAR VISHAL MAHADEV	Awachar
5	FE105	BABAR SAKSHI GORAKH	Babar
6	FE106	BHOSALE SAKSHI MANOHAR	
7	FE107	BINAWADE SAKSHI SUNIL	Binwade
8	FE108	BOROKAR GAURAV SANJAY	G. S. Borokar
9	FE109	CHAVAN BHUMIKA VILAS	Bhavan
10	FE110	CHAVAN TANUJA SATISH	T. S. Chavan
11	FE111	DAUND DIPALI SHIVAJI	
12	FE112	DESHMUKH ONKAR RAJENDRA	O. R. Deshmukh
13	FE113	DHONDE JAYDIP YASHWANT	J. Y. Dhonde
14	FE114	DIGOLE PARTH DEVIDAS	
15	FE115	DIVEKAR SUJATA POPAT	
16	FE116	DOMBALE SAURABH MAHADEV	Smd
17	FE117	GADADARE SANDIP DADASO	Gadadare
18	FE118	GADEKAR SAURABH SURESH	Gadekar S.

19	FE119	GADHADE RUTUJA PANDURANG	
20	FE120	GAIKWAD KEDAR SHANKAR	
21	FE121	GAIKWAD RUSHIKESH GANESH	
22	FE122	GHULE SURESH LALU	
23	FE123	GIRAMKAR PRITAM BHAUSAHEB	
24	FE124	GODAGE ANIKET DHANANJAY	
25	FE125	GHODAKE SHRAWANI PRASHANT	
26	FE126	GURSALI ATHARV MAHADEV	
27	FE127	HOLKAR PRATIK DATTATRAY	
28	FE128	HUMBE SANKET PRAMOD	
29	FE129	JADHAV PRANALI SUNIL	
30	FE130	JADHAV SUYASH SACHIN	
31	FE131	JADHAV TRUPTI VITTHAL	
32	FE132	JAGTAP ROHIT BADRINATH	
33	FE133	JOGDAND RUTUJA PRAKASH	
34	FE134	JONDHALE ADITYA SUNIL	
35	FE135	JOSHI VEDANT PRASHANT	
36	FE136	KADAM ABHIJEET JALINDAR	
37	FE137	KADAM PRADIP PRALHAD	
38	FE138	KADAM RUPESH RAMRAO	
39	FE139	KALE SURAJ AMBADAS	
40	FE140	KAMBLE POONAM SATISH	
41	FE141	KAMBLE RUSHIKESH BAPURAO	
42	FE142	KAMBLE VISHWAJIT DATTATRAY	
43	FE143	KASAR KRUSHNARAJ MANOJ	

44	FE144	KAVITAKE ADITYA DAYANAND	
45	FE145	KHALATE VIJAY SHRIDHAR	
46	FE146	KHATIK TUSHAR ASHOK	
47	FE147	KHUNTE NANDINI SHIVAJI	
48	FE148	KUDAL VAIBHAV SONAJI	
49	FE149	KUMBHAR OMKAR RAGHUNATH	
50	FE150	KUMBHAR SAKSHI APPASO	
51	FE151	MAHAJAN TANVI DHANANJAY	
52	FE152	MALI AKASH KAILAS	
53	FE153	MANDLIK VIKAS RAJKUMAR	
54	FE154	MANKE ABHISHEK KHUSHAL	
55	FE155	MORE MAHESH REVAN	
56	FE156	NAZIRKAR KAJAL MOHAN	
57	FE157	NIKAM GAYATRI VIJAY	
58	FE158	PAWAR ABHIJIT SUDHAKAR	
59	FE159	PAWAR ADITYA SHARAD	
60	FE160	PAWAR NIKHIL RAJENDRA	
61	FE161	RAUT ASHLESHA DNYANESHWAR	
62	FE162	SANGLE ABHISHEK NARAYAN	
63	FE163	SAWANT SAKSHI SATISH	
64	FE164	SHELKE CHAITANYA RAJENDRA	
65	FE165	SHELAR JAYANT VIJAY	
66	FE166	SHINDE JAYDEEP SANTOSH	

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

Sharadchandra Pawar College of Engineering & Technology,Someshwarnagar.

Department: Humanity and Science

Attendance for Industrial Visit

Class: F.E. Div (B) **Sub - SME** Date-23/02/2023

Sr.No	Roll No	Name of Student	Sign
1	FE 167	BADGUJAR YASHSHRI GOPAL	
2	FE 168	BADGUJAR KUNAL SUNIL	BSB
3	FE 169	BARDADE PRATHMESH SHANTARAM	P. S. Bardade
4	FE 170	BARAWKAR SHRUTI MOHAN	Barawkar
5	FE 171	BHOSALE SAKSHI ASHOK	Bhosale
6	FE 172	CHANDGUDE POOJA RAMCHANDRA	Chandgude
7	FE 173	CHAVAN PRATIKSHA BALASAHEB	PBchavan
8	FE 174	CHOPADE SANDIP DADASO	
9	FE 175	CHOUDHARI TEJASVI LAXMAN	Choudhari
10	FE176	DHABARDE RUCHIR RAJESH	Rdabarde
11	FE 177	DHAYGUDE GAURAV DADASAHEB	
12	FE 178	GAIKWAD SAKSHI ANIL	Gaikwad
13	FE 179	JADHAV PRITI VIJAY	Jadhav
14	FE 180	JADHAV SUSHANT PRAKASH	Sushant
15	FE 181	JAGTAP VIRAJ RAJENDRA	VRJ
16	FE 182	JAGTAP VISHAL HANUMANT	Vjagtap
17	FE 183	KADAM VAISHNAVI RAJENDRA	
18	FE 184	KADAM VAISHNAVI VIJAYSINH	Vkadam

19	FE 185	KALE SANGRAM NAVNATH	
20	FE 186	KATE ONKAR BALASO	
21	FE 187	MANE CHETAN DATTATRAY	
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40	FE 206	SAKUNDE VAISHNAVI NAGESHWAR	
41	FE 207	SALUNKE VAIBHAV DATTATRAY	
42	FE 208	SHENDAGE ROHIT BAJARANG	
43	FE 209	SHINDE GAURI SUNIL	

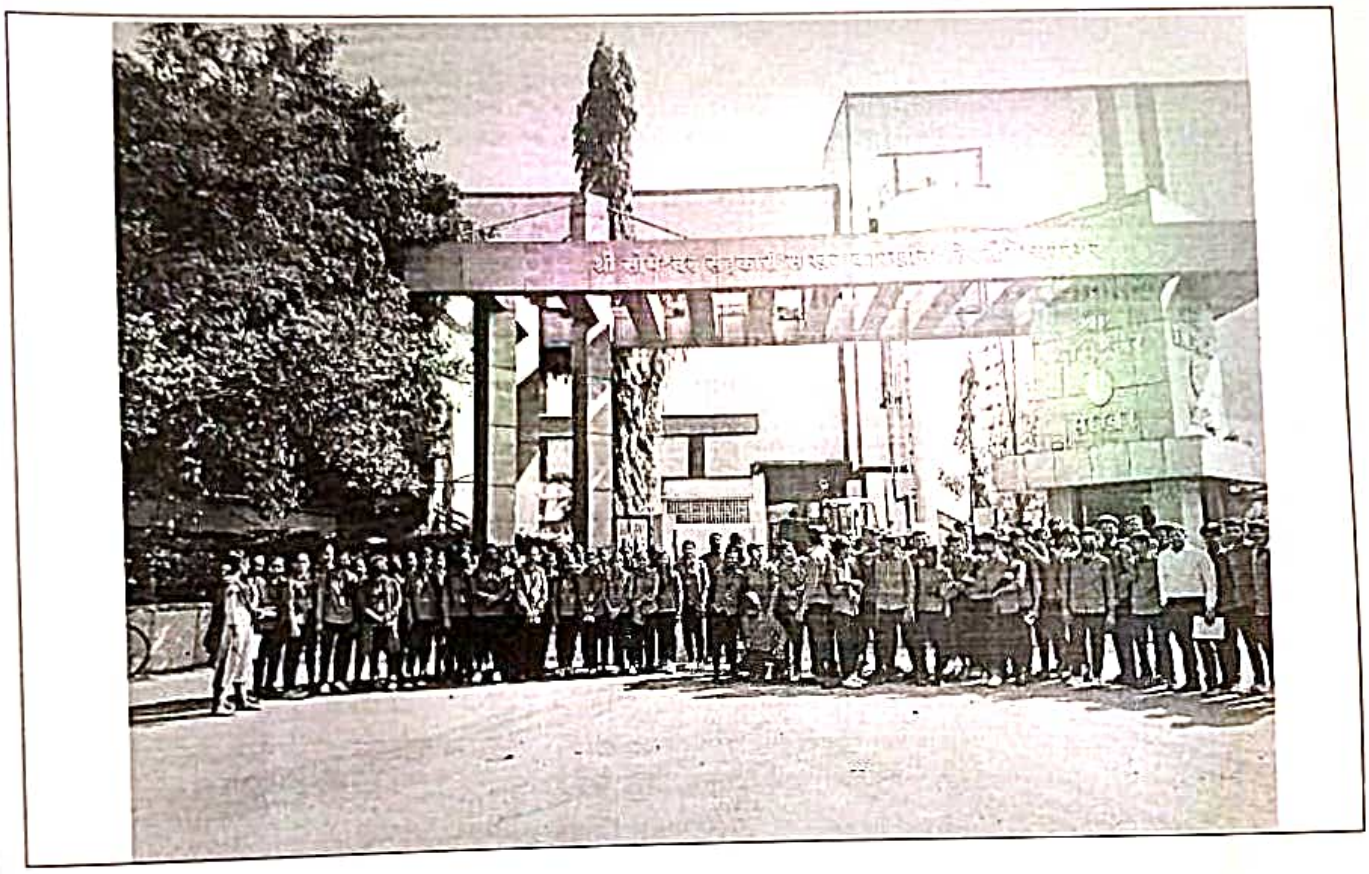
44	FE 210	SHINDE SHREYASH TANAJIS	
45	FE 211	SHINDE SWAPNALI RAHUL	
46	FE 212	SHINDE MAYURI ASHOK	
47	FE 213	SURYAWANSHI SHRUTI SANTOSH	
48	FE 214	SURYAWANSHI SNEHA SACHIN	
49	FE 215	SURYAWANSHI SHREYA SANTOSH	
50	FE 216	TAMBOLI ZAYED ASIF	
51	FE 217	TAWARE SARANG SHEKHAR	
52	FE 218	TAWARE SWANAND SURYAKANT	
53	FE 219	THOMBARE LOKESH PRASHANT	
54	FE 220	THOPATE SHREYA ANIL	
55	FE 221	THOPATE SHRUTI MARUTI	
56	FE 222	TIJORE MAYUR KISHOR	
57	FE 223	THOKALE ABHISHEK BANSILAL	
58	FE 224	YADAV HARSHAD SANTOSH	

Shri. Someshwar Shikshan Prasarak Mandal's

Sharadchandra Pawar College of Engineering & Technology, Someshwarnagar

Department of Mechanical Engineering

Industry Visit Report



Name and Address of Industry- Shri Someshwar Sahakari Sakhar Karkhana Ltd, Someshwarnagar

Date of Visit- 23/02/2023

Staff Coordinator- Prof. Pondkule S.M.

Objectives- The Visit was carried out under subject of Systems in Mechanical Engineering to undrstand

1. Use of boiler for process industry
2. To understand the manufacturing process.
3. To understand the machines and their operations.

Outcome of visit- Students are understandings the actual plant setup for co-generation, also seen by the Kaplan turbine working.

Shri. Someshwar Shikshan Prasarak Mandal's

Sharadchandra Pawar College of Engineering & Technology, Someshwarnagar

Department of Mechanical Engineering

Information of visit in brief- This visit was arranged by the Mechanical Engineering department for subject "Systems in Mechanical Engineering" for First year Students dated 23/02/2023 time 9:00 AM at Shri Someshwar Sugar Factory Ltd, Someshwarnagar.

Value addition through visit - Besides the objectives, following additional technical information understood by students.

- Actual working of boiler, understanding the mountings and accessories.
- Power generation process understand by students.
- Various machining operations understand by students.
- Sugar manufacturing process understand by students.

Visit Coordinator

Signature of HOD

ShriSomeshwarShikshanPrasarakMandal's
SharadchandraPawar College of Engineering & Technology, Someshwarnagar Tal – Baramati, Dist – Pune 412 306
(Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra
&Affiliated to SavitribaiPhule Pune University, Id.no.PU/PN.Engg./445/2012)
* Ph. (02112) 283185 * Fax : (02112) 283185
* Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

Ref.No : SSPM/SPCOET/ /2022-23 Date : 20 /01 /2023

सुचना

महाविद्यालयातील सर्व विद्यार्थ्यांना कळविण्यात येते की, उदया शनिवार दिनांक २१.०१.२०२३ रोजी "कृषीक-२०२३" कृषी विज्ञान केंद्र, माळेगांव येथे प्रदर्शन पहाण्या करिता प्रथम वर्ष ते चतुर्थ वर्षातील ज्या विद्यार्थांना जावयाचे आहे अशा मुलांनी सकाळी ठिक ९.00 वाजता महाविद्यालयामध्ये उपस्थित रहावे.

महाविद्यालया मधून सदर विद्यार्थ्यांकरीता कृषीक प्रदर्शन - २०१३ पहाण्या करिता वसची सोय सकाळी ठिक ९.३0 वाजता केलेली आहे. सदरच्या प्रदर्शनाची एन्ट्री फी ही त्या संबंधित विद्यार्थ्यांनी भरावयाची आहे.

स्थळ : कृषी विज्ञान केंद्र, माळेगांव
ता.बारामती, जि.पुणे

Sharadchandra Pawar College of Engineering & Technology
DTE CODE
Someshwarnagar

PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)

Shri Someshwar Shikshan Prasarak Mandal's

Sharadchandra Pawar College of Engineering & Technology,

Someshwarnagar, Tal – Baramati, Dist – Pune 412306

Visit Conducted to Krushak ,Baramati . The department of Humanity & Science organized an industrial visit for one-day visit to KVK Baramati. This visit was organized on 21January 2023 for all students. A total of 114 students visited the Centre.The visit was organized with the prior permission and guidance of Principal Dr.Deokar S.A. and HOD of Humanity & Science department Prof.Wable N. S. & Faculty members coordinated the visit.

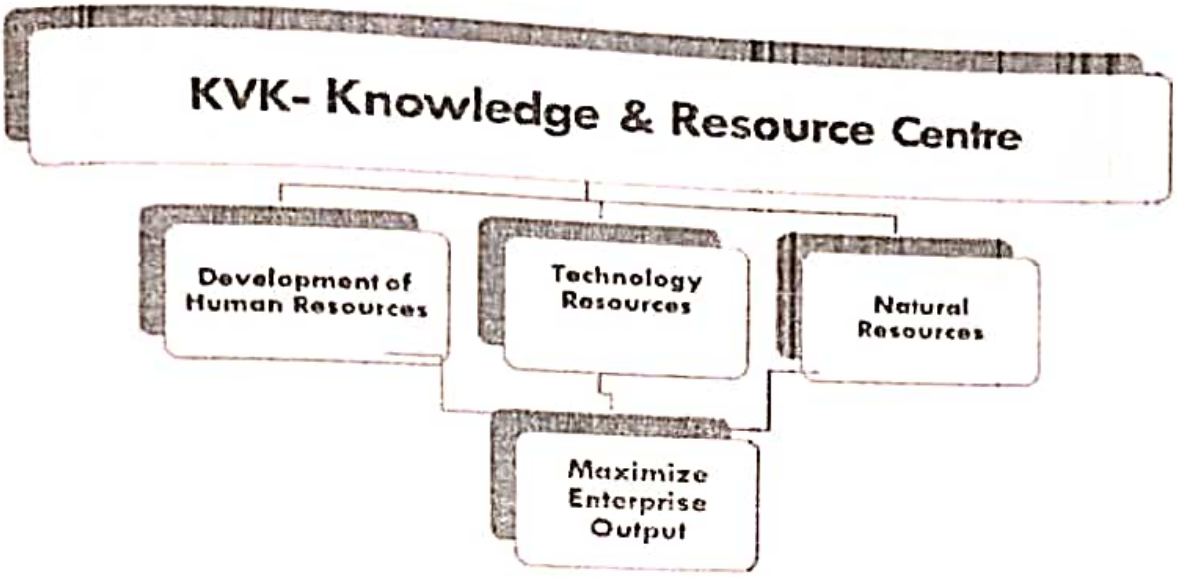
General information about KVK:

KrishiVigyan Kendra, Baramati

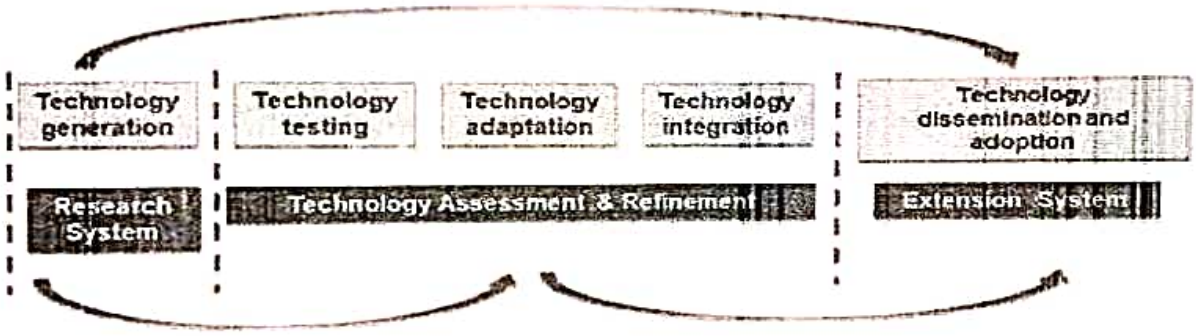
KrishiVigyan Kendra (Farmers Science center), Baramati was established on 1st August 1992 under the affiliation ICAR. From 1992 to 2008, the operational area of KVK was whole Pune district, but after the establishment of new KVK in the Pune district, the operational area is reduced to the 7 tehsils of Pune district. KrishiVigyan Kendra, Baramati is Model, Hi-tech & National Award winning KVK of India working for farming community since 30+ years for the development of sustainable agriculture. The aim of KrishiVigyan Kendra is to reduce the time lag between the technology transfer from research institutions to the farmers field for increasing production, productivity and income from the agriculture and allied sectors on a sustained basis.

The vision of the KVK is: To be the leading resource and knowledge centre of Agricultural technology for the upliftment of the farming community.

The Mission is : To deliver demand driven agricultural products and services by qualified professionals.



UPTAKE PATHWAYS FOR RESEARCH OUTPUT .....



Functional Objectives:

1. To plan and conduct survey of the operational area through Participatory Rural Appraisal (PRA) methods and characterize physical and human resources with special reference to identifying the technological and training needs of the farming community.
2. To compile all relevant recommendations/ packages of practices for the

district to be meaningfully utilized in the training programmes and the follow up extension activities.

3. To plan and conduct production oriented and need-based short and long duration training courses both on the campus as well as in the villages for various target groups with priority on the resource poor sections.

4. To Organize Farm Science Clubs in order to inculcate in the younger generations a specific temper and an interest on agriculture and allied sciences and for scientific farming through supervised individual and group projects.

5. To develop and maintain the campus farms and demonstrations units on scientific lines as the facilities for providing work experience to the trainees, dissemination of the latest technologies and also as a means to achieve financial sustainability in due course of time

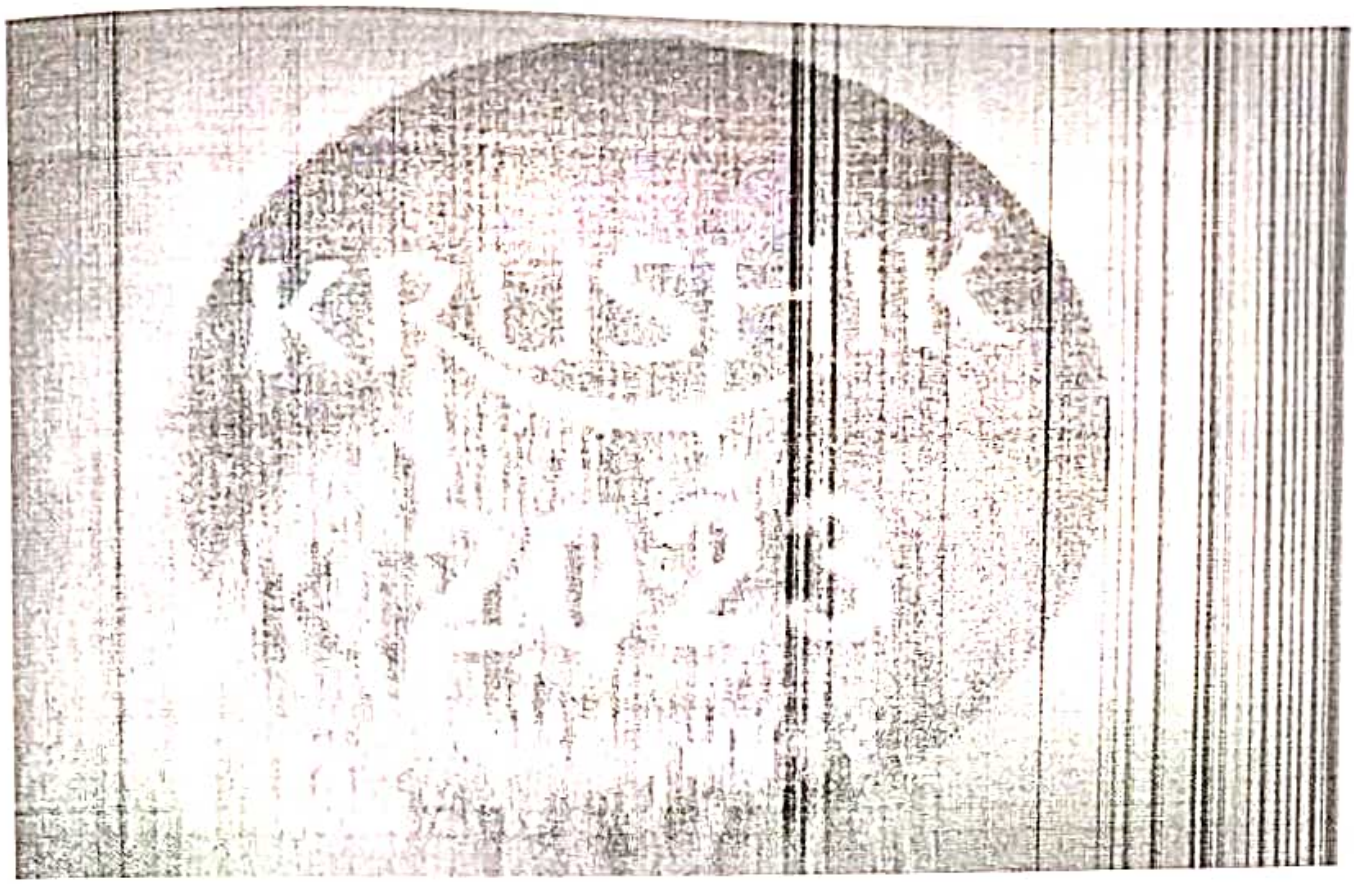
6. To provide practical training facilities of the Kendra to the teachers and the students of vocational agriculture of the higher secondary schools.

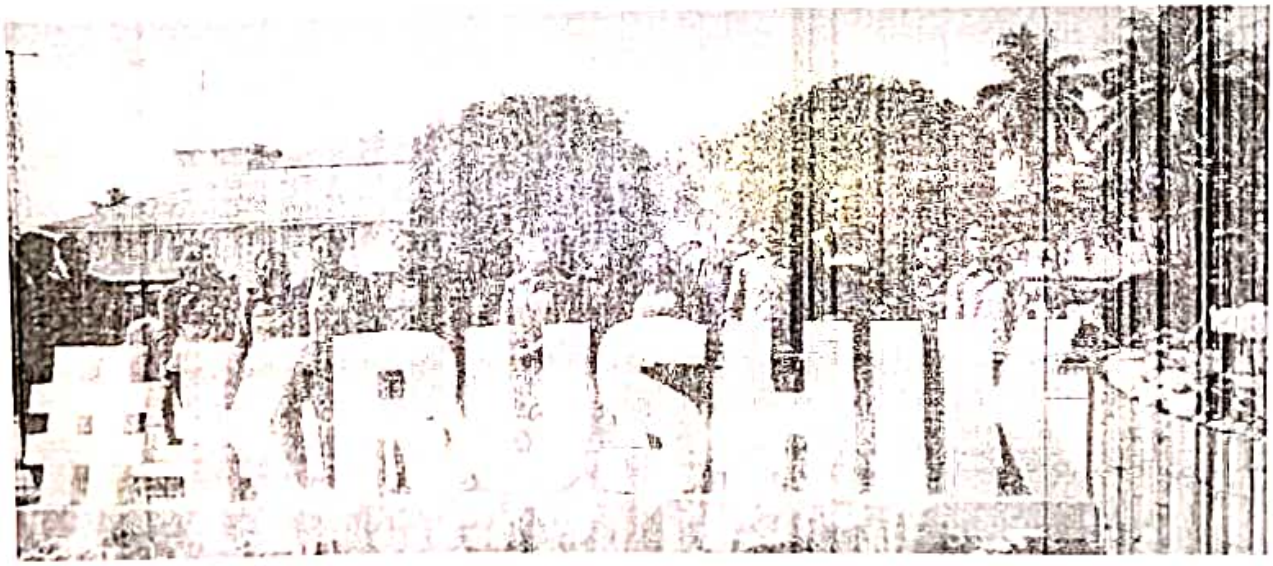
7. To provide added training facilities of the area for home making and nutrition education for rural communities and gradually enlarging the training facilities to encompass other important area such as home/rural crafts and cottage industries with the requirements of the integrated rural development in collaboration with the concerned organizations

8. To implement all such schemes of the ICAR and other related organizations which intend to strengthen the training and technology dissemination programmes as well as follow-up extension activities of the Kendra.

9. To undertake on-farm testing of the technologies developed by the National Agricultural Research Systems (NARS) in agriculture and allied fields for their suitability and identifying constrains.

10. To demonstrate the potentialities of various technologies recommend for adoption in to maximize yield per unit time and area under different resource conditions.


KRUPS
202


KRUPS

SOMESHWAR SHIKSHAN PRASARAK MANDAL'S

SharadchandraPawar College of Engineering &Technology,Someshwarnagar.

Department:Humanity and Science

Attendance for Visit TO KRUSHIK-2023

Class: F.E. Div (B)

Date-21/01/2023

Sr.No	Roll No	Name of Student	Sign
1	FE 167	BADGUJAR YASHSHRI GOPAL	
2	FE 168	BADGUJAR KUNAL SUNIL	
3	FE 169	BARDADE PRATHMESH SHANTARAM	P.S. Bardade
4	FE 170	BARAWKAR SHRUTI MOHAN	
5	FE 171	BHOSALE SAKSHI ASHOK	
6	FE 172	CHANDGUDE POOJA RAMCHANDRA	
7	FE 173	CHAVAN PRATIKSHA BALASAHEB	
8	FE 174	CHOPADE SANDIP DADASO	
9	FE 175	CHOUDHARI TEJASVI LAXMAN	Choudhari T. L
10	FE176	DHABARDE RUCHIR RAJESH	
11	FE 177	DHAYGUDE GAURAV DADASAHEB	
12	FE 178	GAIKWAD SAKSHI ANIL	
13	FE 179	JADHAV PRITI VIJAY	
14	FE 180	JADHAV SUSHANT PRAKASH	
15	FE 181	JAGTAP VIRAJ RAJENDRA	
16	FE 182	JAGTAP VISHAL HANUMANT	
17	FE 183	KADAM VAISHNAVI RAJENDRA	
18	FE 184	KADAM VAISHNAVI VIJAYSINH	
19	FE 185	KALE SANGRAM NAVNATH	
20	FE 186	KATE ONKAR BALASO	

21	FE 187	MANE CHETAN DATTATRAY	
22	FE 188	MORE OMKAR BHIMRAO	
23	FE 189	MORE VAISHNAVI SATISH	
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27	FE 193	NIGADE PALLAVI MAHADEV	
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30	FE 196	PAWAR RUPESH BHARAT	
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33	FE 199	PORE SIDDHANT DHANANJAY	
34	FE 200	SANAS ADIRAJ ATUL	
35	FE 201	SANAS AKASH ROHIDAS	
36	FE 202	SAPKAL ADITYA GORKHNATH	
37	FE 203	SASTE PRACHI ROHIDAS	
38	FE 204	SASTE PRITI DATTATRAY	
39	FE 205	SAWANT PRASAD SANJAY	
40	FE 206	SAKUNDE VAISHNAVI NAGESHWAR	
41	FE 207	SALUNKE VAIBHAV DATTATRAY	
42	FE 208	SHENDAGE ROHIT BAJARANG	
43	FE 209	SHINDE GAURI SUNIL	
44	FE 210	SHINDE SHREYASH TANAJIS	
45	FE 211	SHINDE SWAPNALI RAHUL	
46	FE 212	SHINDE MAYURI ASHOK	

47	FE 213	SURYAWANSHI SHRUTI SANTOSH	
48	FE 214	SURYAWANSHI SNEHA SACHIN	
49	FE 215	SURYAWANSHI SHREYA SANTOSH	
50	FE 216	TAMBOLI ZAYED ASIF	
51	FE 217	TAWARE SARANG SHEKHAR	
52	FE 218	TAWARE SWANAND SURYAKANT	
53	FE 219	THOMBARE LOKESH PRASHANT	
54	FE 220	THOPATE SHREYA ANIL	
55	FE 221	THOPATE SHRUTI MARUTI	
56	FE 222	TIJORE MAYUR KISHOR	
57	FE 223	THOKALE ABHISHEK BANSILAL	
58	FE 224	YADAV HARSHAD SANTOSH	