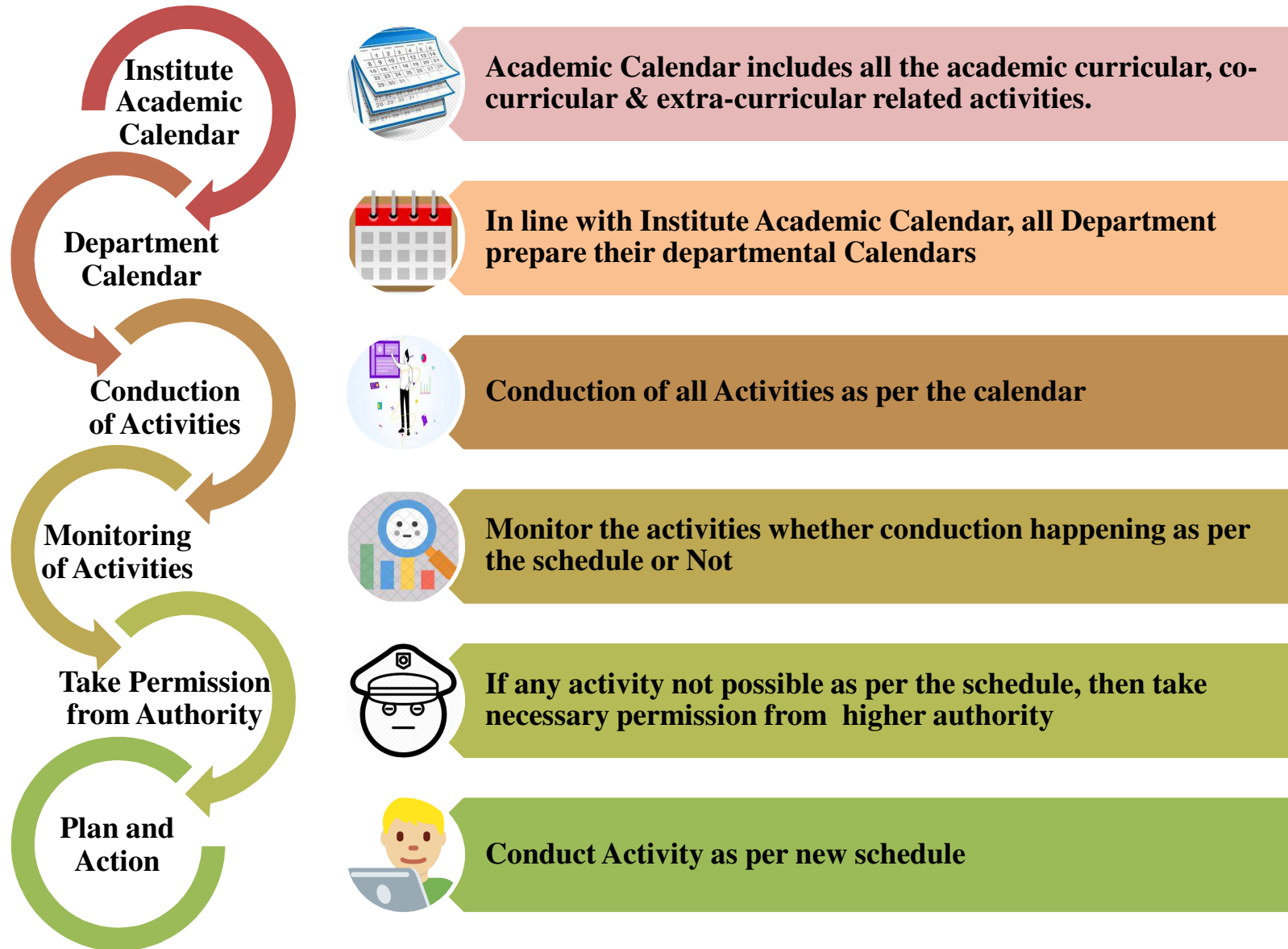


**1.1.2 The institution adheres to the academic calendar including for the conduct of CIE**

## 1.1.2 The institution adheres to the academic calendar including for the conduct of CIE



# Academic Calendar

**2019-2020**



# Shri Vithal Education & Research Institute's COLLEGE OF ENGINEERING, PANDHARPUR

ACADEMIC CALENDAR FOR THE YEAR 2019-20 SEMESTER - I (June to Dec. 2019)

NBA accredited  
All Eligible UG  
Programmes and  
NAAC Accredited  
Institute

JUN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	
					F1			GMS			PD/ARS																				
JULY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED
AUG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
		ISE-I	ISE-I	ISE-I	D/ISE-I	ISE-I		LT	MP/SC		LT	LT/R	F3	RSHM	FN1/SV/F4		FN2			OR					SCM						MP/SC
SEPT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	
OCT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU
		FN5/SV			SC/D	ISE-III	ISE-III	F7	ISE-III	ISE-III	ISE-III	LT	LT	LT	LT/SC		LT/R				IO				F8	F8	F8	F8	F8	PG	PG
NOV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	
DEC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE
																FC								GMS		F12				B	B

Date	Symbol	Events
1 <sup>st</sup> June to 30 <sup>th</sup> June		In-Plant, Campus Recruitment, GATE Training
8 <sup>th</sup> June	GMS	General Meeting of Staff
11 <sup>th</sup> June to 15 <sup>th</sup> Oct		Teaching Period
11 <sup>th</sup> June	PD/ARS	Personality Development Presentation & Anti-Ragging Session
As per schedule		Weekly Off / Festival
05 <sup>th</sup> June	F1	Ramjan Eid
11 <sup>th</sup> to 13 <sup>th</sup> July	F2	Ashadi Ekadashi
20 <sup>th</sup> July	GRM	Grievance Redressal Meeting
28 <sup>th</sup> July	ARCM	Anti-Ragging Committee Meeting
30 <sup>th</sup> July	MP/SC	Mock-Parliament / Mock Security Council (CSE Dept.)
2 <sup>nd</sup> Aug to 6 <sup>th</sup> Aug	ISE-I/R	ISE-I (Result on 5th Day after last paper)
As per schedule	D	Display of Defaulters' List and Letters to Parents Accordingly
9 <sup>th</sup> Aug.	MP/SC	Mock-Parliament / Mock Security Council (MECH Dept.)
12 <sup>th</sup> Aug.	F3	Bakari Eid
13 <sup>th</sup> Aug.	RSHM	Restrict of Sexual Harassment Meeting
15 <sup>th</sup> Aug.	FN 1& SV & F4	Independence Day & SVERIAN Quarterly Issue Release Day, Raksha Bandhan
17 <sup>th</sup> Aug.	FN2	Foundation Day

Date	Symbol	Events
20 <sup>th</sup> Aug.	OR	Orientation Program for FE Students
25 <sup>th</sup> Aug.	SCM	Student Council Meeting
31 <sup>st</sup> Aug.	MP/SC	Mock-Parliament / Mock Security Council (CIVIL Dept.)
2 <sup>nd</sup> Sept.	F5	Shri Ganesh Chaturthi
5 <sup>th</sup> Sept.	FN 3	Teachers' Day
6 <sup>th</sup> Sept. to 11 <sup>th</sup> Sept.	ISE-II/R	ISE-II (Result on 5th Day after last paper)
10 <sup>th</sup> Sept	F6	Moharram
12 <sup>th</sup> Sept. to 19 <sup>th</sup> Sept.	LT	Lab Test on 1st Practical session after ISE of the concerned subject
15 <sup>th</sup> Sept.	FN 4	Engineer's Day
15 <sup>th</sup> & 16 <sup>th</sup> Sept.	OPS	Olympus
21 <sup>st</sup> Sept.	MP/SC	Mock-Parliament / Mock Security Council (ENTC Dept.)
23 <sup>rd</sup> Sept	SCM	Student Council Meeting
25 <sup>th</sup> & 26 <sup>th</sup> Sept.	IV	Industrial Visit
29 <sup>th</sup> Sept	PM	Parents' Meet. (CIVIL Engg. & CSE Dept.)
2 <sup>nd</sup> Oct.	FN 5 /SV	Mahatma Gandhi & Lal Bahadur Shastri Jayanti
5 <sup>th</sup> Oct.	D/SC	Syllabus Completion
6 <sup>th</sup> Oct. to 11 <sup>th</sup> Oct.	ISE-III/R	ISE-III (Result on 5th Day after last paper)
8 <sup>th</sup> Oct.	F7	Vijaydashami Dasara

Date	Symbol	Events
12 <sup>th</sup> Oct. to 17 <sup>th</sup> Oct.	LT	Lab Test on 1st Practical session after ISE of the concerned subject
21 <sup>st</sup> Oct.	IO	Internal Oral and Term work submission/ Displaying of Marks
25 <sup>th</sup> Oct. to 29 <sup>th</sup> Oct.	F8	Dipawali Festival
31 <sup>st</sup> Oct. Onwards	P.G.	Preparation and Guidance Sessions
7 <sup>th</sup> and 8 <sup>th</sup> Nov	F9	Kartiki Ekadashi
10 <sup>th</sup> Nov.	F10	Eid-a-milad
12 <sup>th</sup> Nov.	F11	Guru Nanak Jayanti
13 <sup>th</sup> Nov. to 20 <sup>th</sup> Nov.	R&D	STTP/Conference/Workshop/Seminar / National Conference/Dept. Workshop
21 <sup>st</sup> Nov. Onwards	UE	Tentative Period for University Examination
1 <sup>st</sup> Dec. to 27 <sup>th</sup> Dec.		In-Plant, Campus Recruitment, GATE Training
15 <sup>th</sup> Dec.	FC	File Completion Date
22 <sup>nd</sup> Dec.	GMS	General Meeting of Staff
25 <sup>th</sup> Dec.	F12	Christmas -Natal
30 <sup>th</sup> & 31 <sup>st</sup> Dec.	B	Beats 2K19

(Dr. B. P. Ronge)  
Principal



# Shri Vithal Education & Research Institute's COLLEGE OF ENGINEERING, PANDHARPUR

ACADEMIC CALENDAR FOR THE YEAR 2019-20 SEMESTER - II (Jan. to Jun. to 2020)

NBA accredited  
All Eligible UG  
Programmes and  
NAAC Accredited  
Institute

DEC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE
																FC								GMS		F12					B
JAN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI
													SCM		F13			ARCM								FN6/SV		GRM			MP/SC
FEB	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT		
	ISE-I	ISE-I	ISE-I	ISE-I/D		ISE-I	LT	IV	IV	LT	LT/R		LT							FN7		F14							MP/SC		
MAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE
		MP/SC	D		ISE-II	ISE-II	ISE-II	FN8/RSHM	ISE-II	ISE-II	LT	LT	F15	LT	PM/LT	LT/R			MP/SC				UGP	UGP		F16		SCM			UGS
APR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	
		F17	D		SC/	F18	ISE-III	ISE-III	ISE-III	F19	ISE-III	ISE-III	LT	FN9/SV	LT	LT	LT/R				IO	PG	PG	PG	PG	PG		PG	PG	PG	PG
MAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN
	F20	UE		UE	UE	UE	F21	UE	UE		UE	UE	UE	UE	UE	UE		UE	UE	UE	UE	UE	F22		R&D	R&D	R&D	R&D	R&D	UE	
JUN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	
										GSM																					

Date	Symbol	Events
1 <sup>st</sup> Dec. 27 <sup>th</sup> Dec.	FC	In-Plant, Campus Recruitment, GATE Training
15 <sup>th</sup> Dec.	GMS	File Completion Date
22 <sup>nd</sup> Dec.	F12	General Meeting of Staff
25 <sup>th</sup> Dec.	B	Christmas -Natal
30 <sup>th</sup> & 31 <sup>st</sup> Dec.		Beats 2K19
1 <sup>st</sup> Jan. to 5 <sup>th</sup> Apr		Teaching Period
As per schedule		Weekly Off / Festival
13 <sup>th</sup> Jan.	SCM	Student Council Meeting
15 <sup>th</sup> Jan.	F13	Makar Sankranti
18 <sup>th</sup> Jan	ARCM	Anti- Ragging Committee Meeting
26 <sup>th</sup> Jan	FN 6 & SV	Republic Day & SVERIAN Quarterly Issue Release Day
28 <sup>th</sup> Jan	GRM	Grievance Redressal Meeting
31 <sup>st</sup> Jan	MP/SC	Mock- Parliament / Mock Security Council (MECH Dept.)
1 <sup>st</sup> Feb. to 6 <sup>th</sup> Feb.	ISE-I/R	ISE- I (Result on 5th Day after last paper)
As per schedule	D	Display of Defaulters List and Letters to Parents Accordingly
8 <sup>th</sup> & 9 <sup>th</sup> Feb.	IV	Industrial Visit
19 <sup>th</sup> Feb	FN 7	Shivaji Maharaj Birth Anniversary
21 <sup>st</sup> Feb	F14	Mahashivratri
28 <sup>th</sup> Feb.	MP/SC	Mock- Parliament / Mock Security Council (CIVIL Dept.)

Date	Symbol	Events
2 <sup>nd</sup> Mar	MP/SC	Mock- Parliament / Mock Security Council (ENTC Dept.)
5 <sup>th</sup> Mar. to 10 <sup>th</sup> Mar.	ISE-II/R	ISE- II (Result on 5th Day after last paper)
8 <sup>th</sup> Mar.	FN 8 & RSHM	Womens' Day & Restrict of Sexual Harassment Meeting
11 <sup>th</sup> to 16 <sup>th</sup> Mar.	LT	Lab Test on 1st Practical session after ISE of the concerned subject
13 <sup>th</sup> Mar.	F15	Rang Panchami
15 <sup>th</sup> Mar.	PM	Parents' Meet For FE & MECH, ENTC.
19 <sup>th</sup> Mar.	MP/SC	Mock- Parliament / Mock Security Council (CSE Dept.)
22 <sup>nd</sup> & 23 <sup>rd</sup> Mar.	UGP	Internal Presentation of B.E. Project
25 <sup>th</sup> Mar.	F16	Gudhi Padwa
27 <sup>th</sup> Mar.	SCM	Student Council Meeting
31 <sup>st</sup> Mar.	UGS	B.E. Project Submission
2 <sup>nd</sup> April	F17	Ram Navami
5 <sup>th</sup> April	SC	Syllabus Completion
6 <sup>th</sup> April	F18	Mahaveer Jayanti
7 <sup>th</sup> Apr. to 12 <sup>th</sup> Apr.	ISE-III/R	ISE- III (Result on 5th Day after last paper)
10 <sup>th</sup> Apr	F19	Good Friday
12 <sup>th</sup> to 16 <sup>th</sup> April	LT	Lab Test on 1st Practical session after ISE of the concerned subject

Date	Symbol	Events
14 <sup>th</sup> Apr	FN9	Dr. Babasaheb Ambedkar Birth Anniversary & Annual Prize Distribution Ceremony
14 <sup>th</sup> April	SV	SVERIAN Quarterly Issue Release Day
20 <sup>th</sup> Apr	IO	Internal Oral and Term Work submission/ Displaying of Marks
21 <sup>st</sup> April onwards	P.G.	Preparation and Guidance Sessions
1 <sup>st</sup> May	F20	Maharashtra Din
2 <sup>nd</sup> to 22 <sup>nd</sup> May	UE	Tentative Period for University Examination
7 <sup>th</sup> May	F21	Buddha Pournima
23 <sup>rd</sup> May	F22	Ramjan Eid
25 <sup>th</sup> to 29 <sup>th</sup> May	R&D	STTP/Conference/Workshop/Seminar /National Conference/Dept. Workshop
1 <sup>st</sup> June 30 <sup>th</sup> June		In-Plant, Campus Recruitment, GATE Training
9 <sup>th</sup> June	GSM	General Meeting of Staff
15 <sup>th</sup> June	PD/ARS	Personality Development Presentation & Anti-Ragging Session

(Dr. B. P. Ronge)  
Principal

# Department Calendar

**Department of Mechanical  
Engineering**

**2019-2020**

**SVERI's College of Engineering, Pandharpur**  
**Academic Calendar 2019-20 (Semester-I)**  
**Department of Mechanical Engineering**

Week	Jun-19							Particulars
	S	M	T	W	T	F	S	June 8: General Meeting of Staff
							1	June 5: Ramjan Eid
1	2	3	4	5	6	7	8	June 11 : Commencement of Academic activities for SEM-I
2	9	10	11	12	13	14	15	June 11 to Oct 15 : Teaching Period
3	16	17	18	19	20	21	22	
4	23	24	25	26	27	28	29	
5	30							
	Academic Days: 18							
Week	Jul-19							Particulars
	S	M	T	W	T	F	S	July 11 to 13: Ashadi Ekadashi
		1	2	3	4	5	6	
6	7	8	9	10	11	12	13	
7	14	15	16	17	18	19	20	
8	21	22	23	24	25	26	27	
9	28	29	30	31				
	Academic Days: 24							
Week	Aug-19							Particulars
	S	M	T	W	T	F	S	August 1st week: start of TATA DRE Program
					1	2	3	August 8 to 13: In-Semester Examination-I
10	4	5	6	7	8	9	10	August 12 : Bakari Eid
11	11	12	13	14	15	16	17	August 14: Mock Parliament & Mock Security Council
12	18	19	20	21	22	23	24	August 14 to 20: Lab Test
13	25	26	27	28	29	30	31	August 15: MESA activity- Rakshabandhan at PALVI
								August 17: SVERI Foundation Day
	Academic Days: 26							
Week	Sep-19							Particulars
	S	M	T	W	T	F	S	Sept. 2: Shri Ganesh Chaturti
14	1	2	3	4	5	6	7	Sept 5: Teachers Day
15	8	9	10	11	12	13	14	Sept. 6 to 11: In-Semester Examination-II
16	15	16	17	18	19	20	21	Sept 10: Mohharrram
17	22	23	24	25	26	27	28	Sept. 12 to 14: Lab Test
18	29	30						Sept 14 to 16: Olympus 2k19 and MESA Event
								Sept. 25 to 26: Industrial Visit
	Academic Days: 26							
Week	Oct-19							Particulars
	S	M	T	W	T	F	S	Oct. 2: MESA activity- No Private Vehicle Day
			1	2	3	4	5	Oct. 13: End of Semester-I
19	6	7	8	9	10	11	12	Oct. 14 to 19: In-Semester Examination-III
20	13	14	15	16	17	18	19	Oct. 22 to 24: Lab Test
21	20	21	22	23	24	25	26	Oct. 24: Internal Oral and Term Work Submission/Display of
22	27	28	29	30	31			Oct. 25 to 29: Dipavali Festival
								Oct. 31: Start of preparation and guidance session
	Academic Days: 10							
Week	Nov-19							Particulars
	S	M	T	W	T	F	S	Nov 7 to 8: Kartiki Ekadashi
						1	2	Nov 10: Eid-e- milad
23	3	4	5	6	7	8	9	Nov 12: Guru Nanak Jayanti
24	10	11	12	13	14	15	16	Nov. 21 to 30: Tentative period for university exam
25	17	18	19	20	21	22	23	Nov. last week: End of TATA DRE Program
26	24	25	26	27	28	29	30	
	Academic Days: 10							
Week	Dec-19							Particulars
	S	M	T	W	T	F	S	Dec. 16 to 21: STTP/Workshop for faculty members
27	1	2	3	4	5	6	7	Dec 22: General Meeting of Staff
28	8	9	10	11	12	13	14	Dec 25: Christmas- Natal
29	15	16	17	18	19	20	21	Dec 30 to 31: BEATS 2k2019
30	22	23	24	25	26	27	28	
31	29	30	31					
	Academic Days: 10							
Total Academic Days = 104								Total Academic Weeks = 19

**SVERI's College of Engineering, Pandharpur**  
**Academic Calendar 2019-20 (Semester-II)**  
**Department of Mechanical Engineering**

Week	Jan-20							Particulars
	S	M	T	W	T	F	S	Jan 1 to April 5: Teaching Period
1				1	2	3	4	Jan 2: Commencement of Academic activities for SEM-II
2	5	6	7	8	9	10	11	Jan 19: MESA activity-MOCK parliament
3	12	13	14	15	16	17	18	Jan 20: MESA activity-Visit to MATOSHRI Vriddhashram
4	19	20	21	22	23	24	25	Jan 20 to March 20: Training program on NX-CAD
5	26	27	28	29	30	31		Jan 26: Republic Day and SVERI Quarterly issue
Academic Days: 26								
Week	Feb-20							Particulars
	S	M	T	W	T	F	S	Feb. 1 to 6: In-Semester Examination-I
5							1	Feb. 2 to 20: Certificate Course on CATIA V5 R18
6	2	3	4	5	6	7	8	Feb. 7 to 13 : Lab Test
7	9	10	11	12	13	14	15	Feb. 10 to 11: MESA activity-Workshop for students
8	16	17	18	19	20	21	22	Feb 19 : Chatrapati Shivaji Maharaj Jayanti
9	23	24	25	26	27	28	29	Feb 21 : Mahashivratri
Academic Days: 25								
Week	Mar-20							Particulars
	S	M	T	W	T	F	S	Mar. 4 to 5: Industrial Visit
10	1	2	3	4	5	6	7	Mar. 11: MESA activity-KSHITIJ
11	8	9	10	11	12	13	14	Mar. 16 to 21: In-Semester Examination-II
12	15	16	17	18	19	20	21	Mar. 22 to 23: Internal Presentation of B.E. Project
13	22	23	24	25	26	27	28	Mar. 22 to 28: Lab Test
14	29	30	31					Mar. 31: B.E. Project submission
Academic Days: 27								
Week	Apr-20							Particulars
	S	M	T	W	T	F	S	Apr. 2: Ramnavmi
14				1	2	3	4	Apr. 5: End of Semester-II
15	5	6	7	8	9	10	11	Apr. 7 to 12: In-Semester Examination-III
16	12	13	14	15	16	17	18	Apr. 10: Good Friday
17	19	20	21	22	23	24	25	Apr. 13 to 16: Lab Test
18	26	27	28	29	30			Apr. 14: Dr. Babasaheb Ambedkar Birth Anniversary
								Apr. 20: Display of Term work marks
								Apr. 21: Start of preparation and guidance session
Academic Days: 04								
Week	May-20							Particulars
	S	M	T	W	T	F	S	May 2 onwards: Tentative period for university exam
18						1	2	
19	3	4	5	6	7	8	9	
20	10	11	12	13	14	15	16	
21	17	18	19	20	21	22	23	
22	24	25	26	27	28	29	30	
23	31							
Academic Days: 04								
Week	Jun-20							Particulars
	S	M	T	W	T	F	S	Jun. 1 to 6: STTP/Workshop for faculty members
23		1	2	3	4	5	6	
24	7	8	9	10	11	12	13	
25	14	15	16	17	18	19	20	
26	21	22	23	24	25	26	27	
27	28	29	30	27	28	29	30	
Academic Days: 04								
Total Academic Days = 82								Total Academic Weeks = 14



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S  
**COLLEGE OF ENGINEERING, PANDHARPUR**



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P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

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## Department of Mechanical Engineering

### Summary of Activities Conducted

#### Academic Year: 2019-2020 Sem-I

Sr. No.	Name of Activity	Planned Date	Conducted Date
1.	TATA DRE Program	1 <sup>st</sup> week of Aug. 2019 to Last week of Nov. 2019	1 <sup>st</sup> week of Aug. 2019 to Last week of Nov. 2019
2.	In Semester Examination (ISE)-I	08/08/2019 to 13/08/2019	08/08/2019 to 13/08/2019 (S.Y.B.Tech. & TE) 22/08/2019 to 26/08/2019 (BE)
3.	In Semester Examination (ISE)-II	06/09/2019 to 11/09/2019	06/09/2019 to 11/09/2019 (S.Y.B.Tech) 19/09/2019 to 23/09/2019 (TE & BE)
4.	Industrial Visit	25/09/2019 to 26/09/2019	19/09/2019 to 20/09/2019 (S.Y.B.Tech.) 27/09/2019 to 28/09/2019 (TE) 30/09/2019 to 01/10/2019 (BE)
5.	In Semester Examination (ISE)-III	14/10/2019 to 19/10/2019	14/10/2019 to 19/10/2019 (TE & BE) 31/10/2019 to 05/11/2019 (S.Y.B.Tech.)

#### Academic Year: 2019-2020 Sem-II

Sr. No.	Name of Activity	Planned Date	Conducted Date
1.	Training Program on NX CAD	20/01/2020 to 03/03/2020	20/01/2020 to 03/03/2020
2.	In Semester Examination (ISE)-I	01/02/2020 to 06/02/2020	01/02/2020 to 06/02/2020 (SY. B. Tech.) 13/02/2020 to 17/02/2020 (TE & BE)
3.	Certificate Course on CATIA V5 R18	02/02/2020 to 20/02/2020	02/02/2020 to 20/02/2020
4.	RC Aircraft Workshop	10/02/2020 to 11/02/2020	10/02/2020 to 11/02/2020
5.	Industrial Visit	04/03/2020 to 05/03/2020	04/03/2020 to 05/03/2020
6.	Kshitij Event	11/03/2020	11/03/2020

*SAS*

HEAD,  
Dept. of Mechanical Engg.  
C.O.E. Pandharpur.

# **In-Semester Examination (ISE)-I**

**Department of Mechanical  
Engineering**

**A.Y.: 2019-2020 SEM-II**

<b>Planned Date</b>	<b>Conducted Date</b>
<b>01/02/2020 to 06/02/2020</b>	<b>01/02/2020 to 06/02/2020 (SY. B. Tech.) 13/02/2020 to 17/02/2020 (TE &amp; BE)</b>



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## COLLEGE OF ENGINEERING, PANDHARPUR

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Date: 27/01/2020


### Office order

The following faculty members of our department are entrusted the duties for reviewing the In-Semester Exam (ISE) Question papers for the second semester of academic year 2019-20.

Sr. No.	Class	Subject	Name of Question Paper Setter	Name of Reviewer
1	B.E.-A	IE	/Ms. P. K. Patil	Mr. B. D. Gaikwad
2		IQM	Mr. S. M. Khomane	/Ms. V. G. Kalebag
3		NCM	Mr. P.A. Dhawale	Mr. D. T. Kashid
4		MM	Mr. A. A. Shinde	Mr. B. D. Gaikwad
5	B.E.-B	IE	Mr. B. D. Gaikwad	/Ms. P. K. Patil
6		IQM	/Ms. V. G. Kalebag	Mr. S. M. Khomane
7		NCM	Mr. D. T. Kashid	Mr. P.A. Dhawale
8		PE	Dr. A. A. Utpat	/Ms. V. G. Kalebag

542  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur

Sr. No.	Class	Subject	Name of Question Paper Setter	Name of Reviewer
9	<b>T.E.-A</b>	HMT	Mr. S. S. Jadhav	Mr. V. R. Chavan
10		ICE	Mr. S. V. Jadhav	Mr. D. D. Ronge
11		CAD	Mr. C. C. Jadhav	Mr. C. K. Vhare
12		MD-II	Dr. S. S. Wangikar	Dr. S. A. Sonawane
13		ESA	Mr. A. K. Parakhe	Dr. S. S. Wangikar
14	<b>T.E.-B</b>	HMT	Mr. V. R. Chavan	Mr. S. S. Jadhav
15		ICE	Mr. D. D. Ronge	Mr. S. V. Jadhav
16		CAD	Mr. C. K. Vhare	Mr. C. C. Jadhav
17		MD-II	Dr. S. A. Sonawane	Dr. S. S. Wangikar
18		ESA	Mr. A. K. Parakhe	Dr. S. S. Wangikar
19	<b>S.Y.B.Tech-A</b>	M-III	Mr. S. D. Talekar	/Ms. H. M. Gove
20		MT	Mr. K. S. Pukale	Mr. B. D. Gaikwad
21		FM & FM	Mr. S. M. Kale	Mr. S. R. Gavali
22		KTOM	Dr. R. R. Gidde	Mr. S. Y. Salunkhe
23		PPE	Mr. Y. M. Khedkar	Mr. R. D. Solage
24	<b>S.Y.B.Tech-B</b>	M-III	Mr. S. D. Talekar	/Ms. H. M. Gove
25		MT	Mr. K. S. Pukale	Mr. B. D. Gaikwad
26		FM & FM	Mr. S. R. Gavali	Mr. S. M. Kale
27		KTOM	Mr. S. Y. Salunkhe	Dr. R. R. Gidde
28		PPE	Mr. R. D. Solage	Mr. Y. M. Khedkar

  
 HEAD,  
 Dept. of Mechanical Engg  
 C.O.E. Pandharpur.

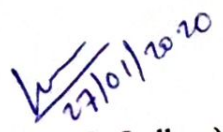
## Procedure to Review Question Paper (QP)


1. Subject teacher has to prepare the QP as per the Bloom's Taxonomy & the guidelines given by NBA/AICTE reforms.
2. After preparing the QP subject teacher has to handover it to the allotted Reviewer as per previous table.
3. After receiving the QP from subject teacher, Reviewer should review it within time and should submit it back to the QP Setter with the QP & Reviewing Report.
4. If reviewer has recommended the QP, Subject teacher should take approval from head of department and has to submit QP along with reviewing report to ISE Coordinator.
5. If reviewer has not recommended the QP then reviewer should submit QP back to the paper setter along with reviewing report. Then afterwards paper setter has to implement the suggestions given by reviewer and has to prepare Revised QP and has to submit for further reviewing to the Reviewer till it get recommended. Afterwards subject teacher has to take approval from HOD and finally has to submit revised QP along with reviewing report to the ISE coordinator.
6. Also subject teacher has to send soft copy of approved QP to the ISE coordinator.

To make effective implementation of the question paper reviewing work following Committee is constituted for the smooth functioning.

Sr. No.	Name of Member	Designation
1	Prof. S. A. Sonawane	Chairman
2	Prof. S. M. Kale	Coordinator S.Y.B.Tech.-A
3	Prof. R. D. Solage	Coordinator S.Y.B.Tech-B
5	Prof. C. C. Jadhav	Coordinator T.E.-A
6	Prof. K.B. Jundale	Coordinator T.E.-B
7	Prof. A. A. Shinde	Coordinator B.E.-A
8	Prof. D. T. Kashid	Coordinator B.E.-B

All are requested to take note of same and act accordingly.

  
(Prof. S. S. Jadhav)  
ISE Co-ordinator Mech. Engg. Dept.

  
(Dr. S. A. Sonawane)  
HOD Mech. Engg. Dept.

HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.

**SVERI'S College of Engineering, Pandharpur**  
**B.E. (Mechanical) ISE-I Academic Year -2019-20**  
**Industrial Engineering**

Div: -

**Day and Date:**  
**Time-**

**Marks -**  
**Duration—**

CO	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS

**Instructions -**

- I) All questions are compulsory.**
- II) Assume suitable data if required.**

[illegible]

.....*All the Best*.....



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### Department of Mechanical Engineering Question Paper Reviewing Report

Class: -----

Div: ----

Test: -----

Academic Year: 2019-20

Name of subject teacher:-

Name of Reviewer:-

A]

Sr. No.	Recommended/Not Recommended	If not recommended comments of reviewer	Sign of Reviewer

B] HOD Remark: -----

(Dr. S. A. Sonawane)  
HOD Mech. Engg. Dept.



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## COLLEGE OF ENGINEERING, PANDHARPUR

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Date: 27/01/2020


### Department of Mechanical Engineering

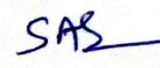
#### Notice

All the students of S.Y.B.Tech. Mechanical are hereby informed to note that ISE-I of this semester will be scheduled from **Saturday, 1<sup>st</sup> Feb. 2020**. The detailed Schedule of ISE-I is displayed on Notice Board. During ISE there will be no any proctor/practice/backlog/IB Sessions. So take the note of same & act accordingly.

#### \*IMP. NOTE: -

1. Don't remain absent for any ISE, Unit Test & Lab Test.
2. If student passes in all three ISEs of subject (course), then the average of best of two ISEs is considered for finalising ISE marks of that Subject (course) for sending to university.
3. If students fail in one or more ISEs of subject (course) then the average of all the three ISEs is to be considered for finalising ISE marks of that subject for sending to University.
4. Student failing in or remaining absent for subject(s) [course(s)] in ISE (s) has to appear for Re-ISE(s) compulsorily by paying charges of Rs. 100/- per Subject (course) of ISE.
5. Student failing in or remaining absent for subject(s) [course(s)] in ISE (s) or willing to improve the performance in one or more Subject(s) [(course) (s)], at his/her choice may opt for Re-ISE(s), within five days from the date of declaration of the concerned ISE results, once for each Subject (course) by paying charges of Rs. 100/- per Subject (course) of ISE.

  
(Prof. S. S. Jadhav)  
ISE Co-ordinator  
Mech. Engg. Dept.

  
(Dr. S. A. Sonawane)  
H.O.D.  
Mech. Engg. Dept.  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.

**SVERI's COE, Pandharpur**  
**Mechanical Engineering Dept.**  
**TIME TABLE**  
**EXAMINATION: ISE-I**  
**SEMESTER-II**  
**A.Y. 2019-20**

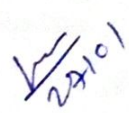
**CLASS: S.Y.B.Tech. Mechanical**


**Division: A and B.**


Paper No.	Subject	Date	Time
1	M-III	01/02/2020	10:00 AM To 11:30AM
2	FM & FM	02/02/2020	10:00 AM To 11:30AM
3	KTOM	03/02/2020	10:00 AM To 11:30AM
4	MT	04/02/2020	10:00 AM To 11:30AM
5	PPE	06/02/2020	10:00 AM To 11:30AM

**\*IMP. NOTE: -**

1. After ISE Classes will run regularly.
2. OBT will be conducted on the same day of the respective Subject.

  
( Prof. S.S. Jadhav)  
ISE Co-ordinator  
Mechanical Engineering Dept.

  
( Dr. S. A. Sonawane)  
H. O. D.  
Mechanical Engineering Dept.  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.

	<p>SHRI VITHAL EDUCATION &amp; RESEARCH INSTITUTE'S  <b>COLLEGE OF ENGINEERING, PANDHARPUR</b>  P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)  Tel.: 02186-216063, 9503103757, E-mail : <a href="mailto:coe@sveri.ac.in">coe@sveri.ac.in</a>, Website: <a href="http://www.sveri.ac.in">www.sveri.ac.in</a>  (Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)  NBA Accredited all Eligible UG Programmes and , NAAC, Accredited Institute,  Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute</p>
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Date: 08/02/2020

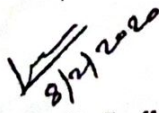
## Department of Mechanical Engineering


### Notice

All the students of T.E. and B.E. Mechanical are hereby informed to note that ISE-I of this semester will be scheduled from **Thursday, 13<sup>th</sup> Feb. 2020**. The detailed Schedule of ISE-I is displayed on Notice Board. During ISE there will be no any proctor/practice/backlog/IB Sessions. So take the note of same & act accordingly.

**\*IMP. NOTE: -**

1. Don't remain absent for any ISE, Unit Test & Lab Test.
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5. Student failing in or remaining absent for subject(s) [course(s)] in ISE (s) or willing to improve the performance in one or more Subject(s) [(course) (s)], at his/her choice may opt for Re-ISE(s), within five days from the date of declaration of the concerned ISE results, once for each Subject (course) by paying charges of Rs. 100/- per Subject (course) of ISE.

  
(Prof. S. S. Jadhav)  
ISE Co-ordinator  
Mech. Engg. Dept.

  
(Dr. S. A. Sonawane)  
H.O.D.  
Mech. Engg. Dept.

**SVERI's COE, Pandharpur**  
**Mechanical Engineering Dept.**  
**TIME TABLE**  
**EXAMINATION: ISE-I**  
**SEMESTER-II**  
**A.Y. 2019-20**

**CLASS: T.E. Mechanical**

**Division: A and B.**

Paper No.	Subject	Date	Time
1	ESA	13/02/2020	09:00 AM To 10:30AM
2	CAD-CAM-CAE	14/02/2020	09:00 AM To 10:30AM
3	ICE	15/02/2020	09:00 AM To 10:30AM
4	HMT	16/02/2020	09:00 AM To 10:30AM
5	MD-II	17/02/2020	09:00 AM To 10:30AM

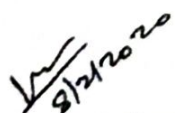
**CLASS: B.E. Mechanical**

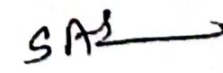
**Division: A and B.**

Paper No.	Subject	Date	Time
1	IE	13/02/2020	09:00 AM To 10:30AM
2	IQM	14/02/2020	09:00 AM To 10:30AM
3	NCM	15/02/2020	09:00 AM To 10:30AM
4	PE/MM	16/02/2020	09:00 AM To 10:30AM

**\*IMP. NOTE: -**

1. After ISE Classes will run regularly.
2. OBT will be conducted on the same day of the respective Subject.

  
( Prof. S.S. Jadhav )  
ISE Co-ordinator  
Mechanical Engineering Dept.

  
( Dr. S. A. Sonawane )  
H. O. D.  
Mechanical Engineering Dept.

**SVERI'S College of Engineering, Pandharpur**  
**TE (Mechanical) ISE-I Academic Year -2019-20**  
**Experimental Stress Analysis**

**Day and Date: Thursday & 13/02/2020**  
**Time- 09.00 am - 10.30 am**

**Div: - A & B**

**Marks - 20**  
**Duration-1:30 Hours**

CO	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS
ME 325.1	Apply the concepts of applied physics, analysis of mechanical elements and various ESA techniques for analysis of mechanical components.	BL 3	04
ME 325.2	Make use of Polariscopes and its different arrangement to study the effect of stressed photo elastic model.	BL 3	16

**Instructions -** I) All questions are compulsory.  
 II) Assume suitable data if required.

Q. 1	MCQ'S/objectives type questions.	04 M	Related CO & Blooms Level	PI
1.	Fringes seen through analyzer can be..... a) Isoclinics      b) Isochromatics      c) Moire      d) None	02	CO 2 BL 3	1.4.1
2.	Fractional order fringe is calculated in..... a) Circular polariscope dark field arrangement      b) Tardy's method c) Circular polariscope light field arrangement      d) None of a, b, c	01		
3.	Opticalty, polariser and analyser are..... a) Different      b) Same c) Like quarter wave plate      d) None of a, b, c	01		
Q. 2	Solve the following Questions. (Any One)	04 M	CO 1 BL 3	1.4.1
a)	Write a short note on Natural Birefringence and Artificial Birefringence.	04		
b)	Derive the Stress Optics Law.	04		
Q. 3	Solve the following Questions. (Any Two)	12 M	CO 2 BL 3	1.4.1
a)	Explain the Tardy's method with advantages. <i>BL2</i>	06		
b)	Derive the expression for the light intensity seen through analyzer when the stressed model is kept in the dark field circular polariscope. <i>BL3</i>	06		
c)	Differentiate between Plain and Circular Polariscopes. <i>BL2</i>	06		

.....**All the Best**.....



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Date: 10/02/2020

### Department of Mechanical Engineering Question Paper Reviewing Report

Class: I-E (Mech) Div: A & B

Test: ISE-I

Academic Year: 2019-20

Name of subject teacher:- Mr. A.K. Pathe

Name of Reviewer:- Dr. S.S. Wangikar.

A]

Sr. No.	Recommended/Not Recommended	If not recommended comments of reviewer	Sign of Reviewer
1.	Not recommended	Correction in CO	 10-2-2020
2.	Recommended	—	 11-2-2020

B] HOD Remark: OK

(Dr. S. A. Sonawane)  
Head, Mech. Engg. Dept.

**SVERI'S College of Engineering, Pandharpur**  
**TE (Mechanical) ISE-I Academic Year -2019-20**  
**Experimental Stress Analysis**

Div: - A & B

**Day and Date: Thursday & 13/02/2020**  
**Time- 09.00 am - 10.30 am**

**Marks - 20**  
**Duration-1:30 Hours**

CO	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS
ME 325.1	Apply the concepts of applied physics, analysis of mechanical elements and various ESA techniques for analysis of mechanical components.	BL 3	04
ME 325.2	Use the Polariscope and its different arrangement to study the effect of stressed photo elastic model.	BL 3	16

**Instructions - I) All questions are compulsory.**  
**II) Assume suitable data if required.**

Q. 1	MCQ'S/objectives type questions.	04 M	Related CO & Blooms Level	PI
1.	Fringes seen through analyzer can be..... a) Isoclinics      b) Isochromatics      c) Moire      d) None	02	<b>CO 2</b> <b>BL 3</b>	1.4.1
2.	Fractional order fringe is calculated in..... a) Circular polariscope dark field arrangement      b) Tardy's method c) Circular polariscope light field arrangement      d) None of a, b, c	01		
3.	Opticalty, polariser and analyser are..... a) Different      b) Same c) Like quarter wave plate      d) None of a, b, c	01		
Q. 2	Solve the following Questions. (Any One)	04 M	<b>CO 1</b> <b>BL 3</b>	1.4.1
a)	Write a short note on Natural Birefringence and Artificial Birefringence.	04		
b)	Derive the Stress Optics Law.	04		
Q. 3	Solve the following Questions.	12 M	<b>CO 2</b> <b>BL 3</b>	1.4.1
a)	Explain the Tardy's method with advantages.  OR  Differentiate between Plain and Circular Polariscope.	04		
b)	Derive the expression for the light intensity seen through analyzer when the stressed model is kept in the dark field circular polariscope.	08		

.....**All the Best**.....

# Model Answer Key (ISE-I)

Subject :- Experimental stress Analysis

Class : T.E. (Mech) Div - A & B.

Sem - II , A.Y. - 2019-20.

## ISE - I

Q.1 MCQs.

1.  $\rightarrow$  a, b — 2m

2.  $\rightarrow$  b — 1m

3.  $\rightarrow$  b — 1m

Q.2

a) Figure with Explanation — 4m

b) Fig - 1m

Derivation ( $\sigma_1 - \sigma_2 = \frac{N \cdot P_0}{h}$ ) — 3m.

Q.3

a) Figure - 1m

Explanation - 3m.

or

Five differences - 4m.

b) Fig - 2m

Derivation ( $a_0$  to  $a_{13}$ ) — 6m.  
Amplitude



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(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

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## Department of Mechanical Engineering

### NOTICE

Date- 08/02/2020

Following faculty members are appointed as Jr. Supervisors for ISE-I. All are requested to take note & follow the same.

Sr. No.	Date	13/02/2020	14/02/2020	15/02/2020	16/02/2020	17/02/2020	Sign
	Name of Faculty	09 am To 10.30am	09 am To 10.30am	09 am To 10.30am	09 am To 10.30am	09 am To 10.30am	
1	Prof. A. K. Parakhe	✓		✓		✓	
2	Prof. C. C. Jadhav		✓			✓	
3	Prof. S. V. Jadhav		✓		✓	✓	
4	Prof. S. S. Wangikar			✓	✓		
5	Prof. S. N. More	✓		✓	✓		
6	Prof. K. B. Jundale			✓	✓		
7	Prof. D. D. Ronge	✓		✓	✓		
8	Prof. C. K. Vhare	✓	✓		✓		
9	Prof. V. R. Chavan	✓		✓		✓	
10	Prof. D. T. Kashid	✓	✓				
11	Prof. B. D. Gaikwad	✓	✓		✓		
12	/Prof. V. G. Kalebag	✓	✓	✓			
13	Prof. A. A. Shinde		✓		✓		
14	Prof. P. A. Dhavale	✓	✓	✓			
15	Prof. S. M. Khomane	✓		✓	✓		
16	/Prof. P. K. Patil	✓	✓			✓	
17	Prof. S. B. Bhosale		✓	✓	✓		

**Note:**

1) All supervisors are requested to report exam control room (i.e. CAD-CAM-III) before 20 minutes of examination time.

(Prof. S. S. Jadhav)  
ISE Coordinator

(Dr. S. A. Sonawane)

Head  
Mechanical Engg. Department

HEAD.  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE's

## COLLEGE OF ENGINEERING, PANDHARPUR

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

NBA Accredited all Eligible UG Programmes and , NAAC, Accredited Institute,

Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



ISO 9001:2015



### NOTICE


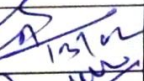
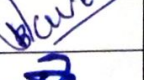

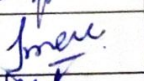



Date- 08/02/2020


Following faculty members are appointed as an Internal Squad for ISE-I. All are requested to take note & follow the same.


Sr. No.	Date	13/02/2020	14/02/2020	15/02/2020	16/02/2020	17/02/2020	Sign
	Name of Faculty	09 am To 10.30am	09 am To 10.30am	09 am To 10.30am	09 am To 10.30am	09 am To 10.30am	
2	Dr. S. A. Sonawane	✓	✓	✓	✓	✓	
3	Dr. A. A. Utpat	✓	✓	✓	✓	✓	
4	Dr. R. R. Gidde	✓	✓	✓	✓	✓	
5	Prof. S. R. Gavali	✓	✓	✓	✓	✓	

*S. S. Jadhav*  
(Prof. S. S. Jadhav)  
ISE Coordinator

*S. A. Sonawane*  
(Dr. S. A. Sonawane)  
Head  
Mechanical Engg. Department  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur

Sr. No.	Block	Class & Div.	Roll No.	Total	Name of Supervisor	Sign
1	517	TE A	TA 01-09, TA 10-39	39	B.D. Gaikwad	
		BE B	BB 01-07, BB 08-37	37	P.A. Dhawale	
2	518	TE A	TA 40 - 74	35	V.R. Chavan	
		BE B	BB 38-72	35	D.T. Kashid	
3	519	TE B	TB 01-05, TB 06-35	35	C.C. Jadhav	
		BE A	BA 01-05, BA 06-35	35	S.A. More	
4	520	TE B	TB 36 - 64	29	C.K. Yhare	
		BE A, BE B	BA 36- 56=21, BB 75-81=07	28	V.G. Kotebag	

  
Prof. S. S. Jadhav)  
ISE Co-ordinator

  
(Dr. S. A. Sonawane)  
Head, Mech. Engg. Dept

HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur

A.Y. 2019-20 SEM-II

Department of Mechanical Engineering  
ISE-I  
Blockwise Absentee Report

Date : 13/02/2020

Sr. No.	Block	Class & Div.	Roll No.	Roll No. of Absent Students	Sign
1	517	TE A	TA 01-09, TA 10-39 = 39 BDG	TA 09, 39 = 02	[Signature]
		BE B	BB 01-07, BB 08-37 = 37 PAD	08110, 18126, 31, 83 = 06	
2	518	TE A	TA 40 - 74 = 35 VRC	TA 49 = 01	[Signature]
		BE B	BB 38-72 = 35 DTK	40, 42, 57, 67 = 04	
3	519	TE B	TB 01-05, TB 06-35 = 35 CCS	Nil	[Signature]
		BE A	BA 01-05, BA 06-35 = 35 SNM	11, 13, 22, 28 = 04	
4	520	TE B	TB 36 - 64 = 29 CKV	TB 36, TB 64 = 02	[Signature]
		BE A, BE B	BA 36- 56=21, BB 73-81=09 VUK	A 49, 52, = 02, B Nil	

(Prof. S. S. Jadhav)  
ISE Co-ordinator

(Dr. S. A. Sonawane)  
Head, Mech. Engg. Dept.  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.

**SVERI's College of Engineering, Pandharpur**  
**Department of Mechanical Engineering**

**SEM-II**

**ISE - I**

**A. Y. 2019-20**

**Attendance Record**

**Date: 13/02/2020**

**Block No. 517**

**Subject: ESA**

**Class & Division : TEA 01 to 39 = 39**

**Name of Supervisor: B. D. Gokhale**

**Time: 09 AM to 10: 30 AM**

Sr. No.	Roll No.	Name of Student	Sign
1	TA-01	Manasi D. Bhumkar	
2	TA-02	Chavan Sonali Umesh	
3	TA-03	Ghogale Mansi Sanjay	
4	TA-04	Attar M. M.	
5	TA-05	Shubhada Shantanu Mhetre	
6	TA-06	Garali Anjali Pandurang	
7	TA-07	Gauri Ramchandra Gore	
8	TA-08	Kothawale Shivani Sanjay	
9			
10	TA-10	Atre Shrirang Rajendra	
11	TA-11	Audade Dashrath Madhukar	
12	TA-12	Bagwan M. M.	
13	TA-13	Bandai Prathamesh M.	
14	TA-14	Bhale Akash Namdev	
15	TA-15	Chavan Suraj Baban	
16	TA-16	Pandhate R. P.	
17	TA-17	Deshmane Rushikesh Sanjay	
18	TA-18	Devkate Sachin Eshan	
19	TA-19	Devkate Yogeshwar Anand	
20	TA-20	Dhumal Vikas Nitish	
21	TA-21	Gadgilwar P. K.	
22	TA-22	Gaikwad Suraj Tejaji	
23	TA-23	Gaikwad Swapnil Rajendra	
24	TA-24	Gundule Rohan Rajaram	
25	TA-25	Gurjale A. H.	
26	TA-26	Sathe S. B.	
27	TA-27	Shadagi Varbhav Prabhakar	
28	TA-28	Shadage Onkar Dhananjay	
29	TA-29	Gore D. R.	
30	TA-31	Gund O. S.	
31	TA-32	Hookande Rohan Ramesh	
32	TA-33	Jadhav Ajinkya Anun	
33	TA-34	Jadhav Rushikesh Kailash	
34	TA-35	Mangmle Vedant D.	
35	TA-36	Rahul Rajkumar Tuntare	
36	TA-37	Kadam Shubham Jaimilind	
37	TA-38	Kakade Shubham Madhukar	
38	TA-39	Kale Rohan Suresh	
39			
40			

absent

absent

**Attendance Summary:**

**Total No. of Students:** 39

**No. of Present Students:** 37

**No. of Absent Students With Roll No.:** 2

**Supervisor Sign**

SEM-II

SVRI's College of Engineering, Pandharpur  
Department of Mechanical Engineering

ISE - I

Attendance Record

A. Y. 2019-20

Date: 13/12/2020

Block No. 518

Subject: ESA

Class &amp; Division: TEA 40 to 74 = (35)

Name of Supervisor: Mr. V. R. Chavan

Time: 09 AM to 10: 30 AM

Sr. No.	Roll No.	Name of Student	Sign
1	40	Shubham Malayhidha Kale	Shubham
2	41	Vaibhav Pandurang Kale	Vaibhav
3	42	Rinkaj Popat Kambhise	Rinkaj
4	43	Pranjal Sunil Khadake	Pranjal
5	44	Chapale Siddheshwar Ganpat	Chapale
6	45	Khajale Amit Rajendra	Khajale
7	46	Kodag Vandevar Dattatray	Kodag
8	47	Koli Chandra Appa	Koli
9	48	Chaitanya Laxmitant Kulkarni	Chaitanya
10	49	OP	
11	50	Pranil Prakash Nagas	P.P.Nagas
12	51	Rogesh Dhananjay Pandit	Rogesh
13	52	Purush Prakash Padgudwale	Purush
14	53	Patil Ganesh Babavaraj	Patil
15	54	Patil Ashutosh Sunil	Patil
16	55	Pawar Aniket Santosh	Pawar
17	56	Pawar Dayanand Yogesh	Pawar
18	57	Parsons P. D	Parsons
19	58	Rode V. B.	Rode
20	59	Sapkal N. Z.	Sapkal
21	60	Sathe Pradip Shivaji	Sathe
22	61	Sattad Azam Akram	Sattad
23	62	Shaikh Javed Ramjan	Shaikh
24	63	Shaikh V. T.	Shaikh
25	64	Shinde R. N.	Shinde
26	65	Saurabh M. Shinde	Saurabh
27	66	Sirsat A. R.	Sirsat
28	67	Sonkar S. R.	Sonkar
29	68	Todmare S. S.	Todmare
30	69	Vibhute R. M.	Vibhute
31	70	Marshall Ulasnik	Marshall
32	71	Hrushikesh Yhuge	Hrushikesh
33	72	Gavali S. A.	Gavali
34	73	Jadhav V. T.	Jadhav
35	74		
36			
37			
38			
39			
40			

Attendance Summary:

Total No. of Students: 35

No. of Present Students: 34

No. of Absent Students With Roll No.: TA-49 - (1)

Supervisor Sign



Shri Vithal Education & Research Institute's  
**COLLEGE OF ENGINEERING, PANDHARPUR**

ISE / Unit Test No.: ISE-I Date: 12/2/2020

Name of Student: Chavan Sonali Umesh

Class: TE (Mech) Division: A

Roll No.: TA-02 Subject: ESA

Sign of Supervisor: [Signature] Marks: 19/20

CO:	BL	PI Code	Q.No.	a	b	c	d	e	f	Total
2	3	1.4.1	1	2	1	1				4
1	3	1.4.1	2	4						4
2	3	1.4.1	3	4	7					11
			4							
			5							
			6							
			7							
			8							
Grand Total										19

Ques 1

1) b), a) ✓

2) b) ✓

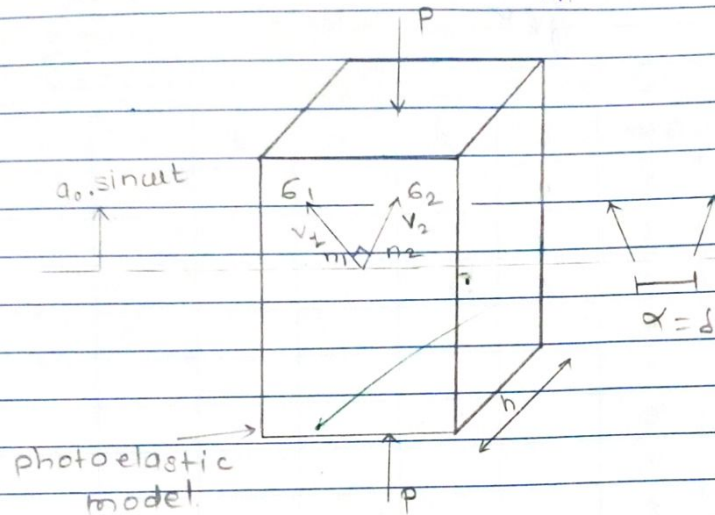
3) b) ✓

Q2

b)

Stress Optics Law:

To prove -  $G_1 - G_2 = \frac{N F \epsilon}{h}$



According to Maxwell's theory, the refractive index is equal to the difference in the principal stresses

$$\therefore (n_1 - n_2) \propto (G_1 - G_2)$$

$$(n_1 - n_2) = K (G_1 - G_2) \quad \text{--- (1)}$$

$K$  = stress optic constant.

When the photoelastic model is in the unloading condition & the light is having the refractive index  $n$ .

When the light passes through the model under the loading condition & of thickness  $h$

& the light vector divides in two vectors with ~~re~~ double refractive indexes i.e  $n_1$  &  $n_2$  & it divides with different velocities

The velocity  $v_1$  in the dirn of  $G_1$  & velocity  $v_2$  in the dirn of  $G_2$

The time required for the light to pass through the model is given by,

$$t = \frac{\text{displacement}}{\text{velocity}}$$

$$t_1 = \frac{h}{v_1} \quad \text{or} \quad t_2 = \frac{h}{v_2}$$

The retardation in terms of the time difference is given by

$$(t_1 - t_2) = \frac{h}{v_1} - \frac{h}{v_2}$$

$$(t_1 - t_2) = h \left( \frac{1}{v_1} - \frac{1}{v_2} \right)$$

Now the relative distance betn the two light vectors is given by

$$s = \text{time} \times \text{velocity}$$

$$= (t_1 - t_2) c$$

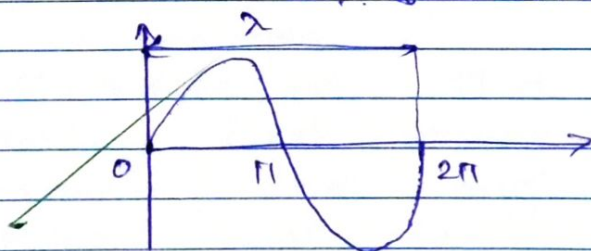
$$= hc \left( \frac{1}{v_1} - \frac{1}{v_2} \right)$$

$$= h \left( \frac{c}{v_1} - \frac{c}{v_2} \right)$$

$$s = h (n_1 - n_2) \quad \because (n = c/v)$$

$$\therefore s = h \cdot k (G_1 - G_2) \quad \text{--- (2)}$$

(from eqn 1)



Let the linear wavelength will be similar to angular ~~re~~ wavelength of linear retardation & similar to angular retardation.

$$\therefore \lambda \approx 2\pi$$

$$s \approx \alpha$$

$$\therefore s = \frac{\lambda \alpha}{2\pi} \quad \text{--- (3)}$$

from eq<sup>n</sup> (2),

$$(G_1 - G_2) = \frac{h \cdot f}{h \cdot K}$$

from eq<sup>n</sup> (3),

$$(G_1 - G_2) = \frac{\lambda \cdot \alpha}{2\pi h \cdot K}$$

Let

$$N = \frac{\lambda}{2\pi} \quad \text{--- Exact fringe order}$$

φ

$$F_G = \frac{\alpha}{K} \quad \text{--- material fringe value}$$

$$\therefore \boxed{(G_1 - G_2) = \frac{N \cdot F_G}{h}}$$

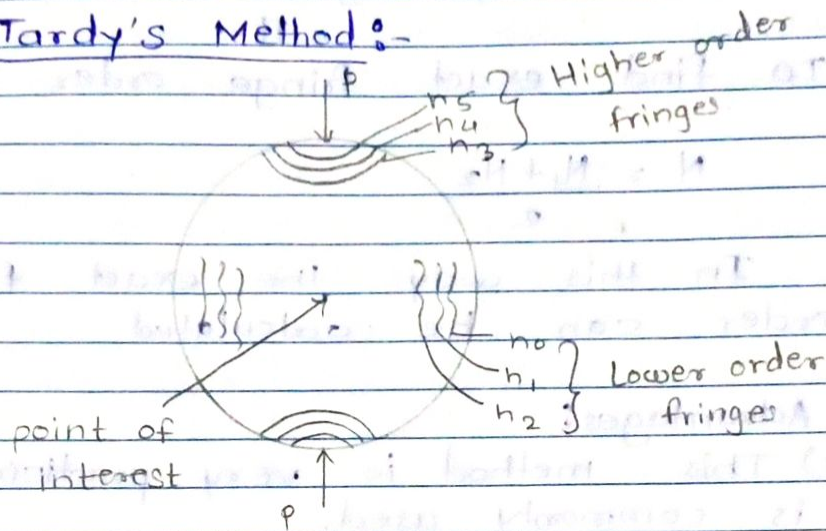
From the above eq<sup>n</sup> we can find the  $(G_1 - G_2)$ .



Ques.

a)

### Tardy's Method:-



The Tardy's method is used to find the exact fringe order 'N'.

When the light passes through the photo elastic model the different fringes are observed through the analyser as shown in the figure above.

In this method the photoelastic model is subjected to the dimensional compression & the different fringes are observed.

The fringes we get are of two types i.e. higher order fringes & lower order fringes.

Therefore to find the exact fringe order first rotate the analyzer through the angle  $\beta$  in clockwise direction due to which the fringe  $n_2$  will pass through the point of interest & we get,

$$N_1 = n_2 + \frac{\beta}{\pi}$$

Now similarly, to find  $N_2$  rotate the analyzer in the anticlockwise direction at an angle  $\beta$  so that the higher order fringe  $n_3$  will pass through the point of interest.

$$\therefore N_2 = \frac{\beta n h_3}{\lambda} - \frac{\beta}{\lambda}$$

To find exact fringe order  $N$ ,

$$N = \frac{N_1 + N_2}{2}$$

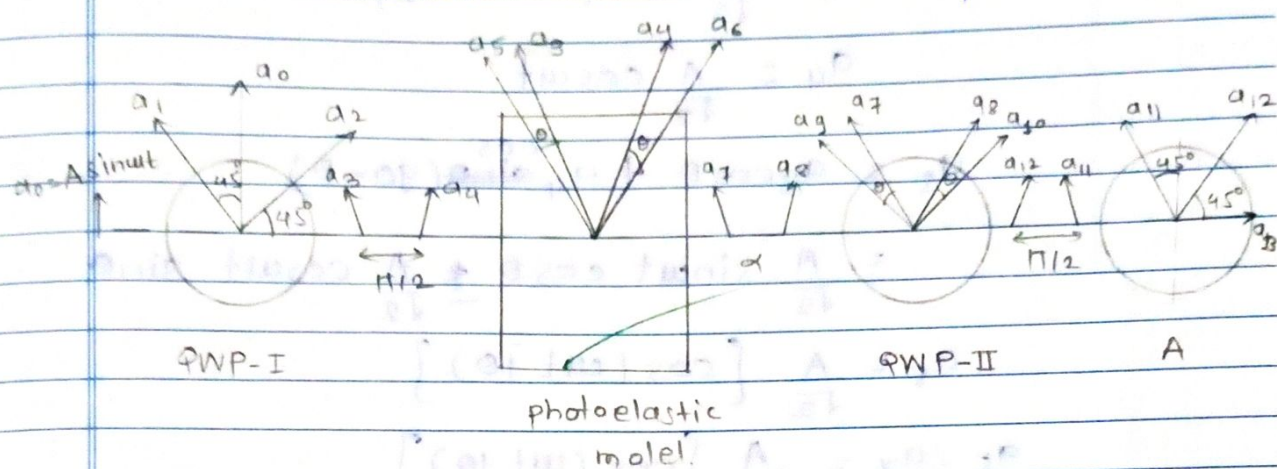
In this way the exact fringe order can be calculated.

Advantages:

- 1) This method is very practical & it is commonly used.
- 2) This method is less costly.
- 3) This is simple in construction & operation.
- 4) The auxiliary equipments like cabinet, soliel methods are not required.

4

b) Light intensity seen through analyser when the stressed model is kept in the dark field circular polariscope.



When the light is emitted from the light source it is having the amplitude  $a_0$  is given by,  
 $a_0 = A \sin \omega t$

When the light passes through QWP-I the light vector divides into 2 vectors & will be given by,

$$a_1 = a_0 \cos 45^\circ$$

$$= A \sin \omega t \cdot \frac{1}{\sqrt{2}}$$

$$a_1 = \frac{A \sin \omega t}{\sqrt{2}} \quad \text{--- (1)}$$

&  $a_2$  will be given by

$$a_2 = a_0 \sin 45^\circ$$

$$= A \sin \omega t \cdot \frac{1}{\sqrt{2}}$$

$$a_2 = \frac{A \sin \omega t}{\sqrt{2}} \quad \text{--- (2)}$$

After passing through QWP-I the it will divide into  $a_3$  &  $a_4$

Here  $a_3 = a_1 = \frac{A \sin \omega t}{\sqrt{2}}$

&  $a_4 = a_2 + \frac{\pi}{2}$

$$a_4 = \frac{A}{\sqrt{2}} \sin \omega t + \frac{\pi}{2}$$

$$a_4 = \frac{A}{\sqrt{2}} \sin(\omega t + \pi/2)$$

$$a_4 = \frac{A}{\sqrt{2}} \cos \omega t$$

$$a_5 = a_3 \cos \theta + a_4 \sin(\theta)$$

$$= \frac{A}{\sqrt{2}} \sin \omega t \cdot \cos \theta + \frac{A}{\sqrt{2}} \cos \omega t \cdot \sin \theta$$

$$a_5 = \frac{A}{\sqrt{2}} [\cos(\omega t + \theta)]$$

$$a_5 = a_7 = \frac{A}{\sqrt{2}} [\cos(\omega t + \theta)]$$

$$a_6 = a_4 \cos \theta + a_3 \sin(\theta)$$

$$= \frac{A}{\sqrt{2}} \cos \omega t \cdot \cos \theta + \frac{A}{\sqrt{2}} \sin \omega t \cdot \sin \theta$$

$$a_6 = \frac{A}{\sqrt{2}} [\sin(\omega t + \theta)]$$

Now in QWP II, after the model,

$$a_7 = a_5 = \frac{A}{\sqrt{2}} [\cos(\omega t + \theta)]$$

$$\text{Now } a_8 = a_6 + \alpha$$

$$a_8 = \frac{A}{\sqrt{2}} [\sin(\omega t + \theta + \alpha)]$$

Now in the QWP-II,

$$a_9 = a_7 \cos \theta + a_8 \sin(\theta)$$

$$= \frac{A}{\sqrt{2}} \cos(\omega t + \theta) \cdot \cos \theta + \frac{A}{\sqrt{2}} [\sin(\omega t + \theta + \alpha) \sin \theta]$$

$$a_9 = \frac{A}{\sqrt{2}} [\cos(\omega t + \theta) \cos \theta - \sin(\omega t + \theta + \alpha) \sin \theta]$$



Shri Vithal Education & Research Institute's  
**COLLEGE OF ENGINEERING, PANDHARPUR**

ISE / Unit Test No.: Chavan ISE-I Date:     

Name of Student: Chavan Sonali Umesh

Glass: TE(Mech) Division: A

Roll No.: TA-02 Subject: ESA

Sign of Supervisor:      Marks:     

CO:	BL	PI Code	Q.No.	a	b	c	d	e	f	Total
			1							
			2							
			3							
			4							
			5							
			6							
			7							
			8							
Grand Total										

$$a_{10} = a_8 \cos \theta + a_7 \overset{\cos}{\sin} \cos (90^\circ + \theta)$$

$$= \frac{A}{\sqrt{2}} [\sin(\omega t + \theta + \alpha)] \cos \theta + \frac{A}{\sqrt{2}} [\cos(\omega t + \theta)] \sin \theta$$

$$a_{10} = \frac{A}{\sqrt{2}} [\sin(\omega t + \theta + \alpha) \cdot \cos \theta + \cos(\omega t + \theta) \sin \theta]$$

$$a_{12} = a_{10} = \frac{A}{\sqrt{2}} [\sin(\omega t + \theta + \alpha) \cos \theta + \cos(\omega t + \theta) \sin \theta]$$

$$a_{11} = a_9 + \pi/2$$

$$a_{11} = \frac{A}{\sqrt{2}} + [\cos(\omega t + \theta) \cdot \cos \theta - \sin(\omega t + \theta + \alpha) \sin \theta] + \frac{\pi}{2}$$

$$\text{Now } a_{13} = a_{11} \sin 45^\circ + a_{12} \cos 45^\circ$$

$$= \frac{A}{\sqrt{2}} (\cos(\omega t + \theta) \cos \theta - \sin(\omega t + \theta + \alpha) \sin \theta) \times \frac{1}{\sqrt{2}} + \frac{\pi}{2}$$

$$a_{13} = \frac{A}{\sqrt{2}} \left[ \cos(\omega t + \theta) \sin \phi + \sin(\omega t + \theta + \alpha) \cos \phi + \cos(\omega t + \theta) \sin \phi \right]$$

$$a_{13} = -A \left[ \frac{\sin(2\omega t + 4\theta + \alpha)}{2} \cdot \sin \frac{\phi}{2} \right]$$

$$a_{13} = -A \left[ \frac{\sin(2\omega t + 4\theta + \alpha)}{2} \cdot \sin \frac{\phi}{2} \right]$$

**SVERI's COLLEGE OF ENGINEERING, PANDHARPUR**  
**MECHANICAL ENGINEERING DEPARTMENT**

**ACADEMIC YEAR: 2019-20**

**SEM- II**


**ISE-I: MARK LIST**

**SUBJECT: ESA**

**CLASS: TE-A (Mechanical)**

Roll. No.	Marks out of 20	% Attendance	Roll. No.	Marks out of 20	% Attendance	Roll. No.	Marks out of 20	% Attendance
TA 01	18	92	TA 31	20	100	TA 61	15	92
TA 02	19	100	TA 32	13	92	TA 62	16	100
TA 03	16	100	TA 33	15	85	TA 63	19	92
TA 04	17	92	TA 34	15	85	TA 64	09	77
TA 05	15	92	TA 35	14	85	TA 65	17	85
TA 06	19	100	TA 36	19	100	TA 66	18	69
TA 07	19	92	TA 37	20	92	TA 67	18	85
TA 08	17	92	TA 38	12	92	TA 68	19	100
TA 09	Absent	92	TA 39	20	85	TA 69	15	69
TA 10	14	54	TA 40	11	100	TA 70	12	100
TA 11	10	100	TA 41	14	100	TA 71	19	100
TA 12	12	100	TA 42	16	100	TA 72	16	46
TA 13	09	100	TA 43	03	62	TA 73	10	77
TA 14	13	100	TA 44	15	85	TA 74	19	85
TA 15	18	100	TA 45	11	85			
TA 16	Absent	100	TA 46	09	100			
TA 17	11	77	TA 47	08	100			
TA 18	14	92	TA 48	19	92			
TA 19	12	92	TA 49	Absent	100			
TA 20	18	85	TA 50	20	100			
TA 21	15	62	TA 51	11	77			
TA 22	14	85	TA 52	16	85			
TA 23	13	92	TA 53	16	77			
TA 24	16	100	TA 54	16	23			
TA 25	14	92	TA 55	14	77			
TA 26	14	92	TA 56	19	100			
TA 27	15	100	TA 57	19	92			
TA 28	12	69	TA 58	19	92			
TA 29	09	62	TA 59	09	92			
TA 30	Absent	77	TA 60	10	100			

  
**Subject Teacher**

  
**HOD**  
**HEAD,**  
**Dept. of Mechanical Engg**  
**C.O.E. Pandharpur.**

**SVERI's COLLEGE OF ENGINEERING, PANDHARPUR**  
**MECHANICAL ENGINEERING DEPARTMENT**

**ACADEMIC YEAR: 2019-20**

**SEM- II**


**ISE-I: MARK LIST**

**CLASS: TE-A (Mechanical)**

**SUBJECT: ESA**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Total No.</b>
<b>01</b>	Strength of Class	74
<b>02</b>	No. of students <b>Appeared</b> for Examination	70
<b>03</b>	No. of students <b>Absent</b> for Examination	04
<b>04</b>	No. of students <b>Passed</b> in Examination	69
<b>05</b>	No. of students <b>Failed</b> in Examination	01
<b>06</b>	No. of students <b>Scoring 60 % &amp; above</b>	56
<b>07</b>	No. of students <b>Scoring 80 % &amp; above</b>	37
<b>08</b>	<b>% Result</b> of the Subject	98.57 %

**Name of Subject Teacher: Prof. A. K. Parkhe**

  
**Subject Teacher**

  
**HOD**

**HEAD,**  
**Dept. of Mechanical Engg**  
**C.O.E. Pandharpur.**

Sveri's College of Engineering, Pandharpur  
Mechanical Engineering Department

**T.E.-A ISE-I Marks & Attendance A:Y:2019-20 SEM-II**

Roll. No.	HMT MARK	HMT ATTEN	ICE MARK	ICE ATTEN	CAD/CAM MARK	CAD/CAM ATTEN	ESA MARK	ESA ATTEN	MD-II MARK	MD-II ATTEN
TA01	AB	78	16	81	19	94	18	92	9	90
TA02	15	94	18	100	19	89	19	100	19	100
TA03	18	94	18	100	19	100	16	100	13	80
TA04	18	72	17	100	19	83	17	92	12	85
TA05	19	72	14	100	19	72	15	92	12	95
TA06	18	100	15	100	19	100	19	100	14	100
TA07	20	100	15	94	19	94	19	92	11	95
TA08	17	83	17	94	15	83	17	92	13	70
TA09	19	67	15	69	17	61	AB	92	12	80
TA10	20	89	15	63	19	89	14	54	9	75
TA11	11	83	8	100	12	94	10	100	AB	100
TA12	14	94	16	100	19	72	12	100	19	100
TA13	10	94	15	88	18	72	9	100	4	100
TA14	5	67	13	69	AB	61	13	100	13	90
TA15	19	89	18	94	15	67	18	100	17	100
TA16	19	94	19	100	19	100	AB	100	14	100
TA17	18	72	12	75	15	78	11	77	10	90
TA18	20	100	19	100	19	72	14	92	19	100
TA19	18	89	12	94	18	72	12	92	AB	95
TA20	17	72	14	81	18	78	18	85	AB	80
TA21	14	72	15	88	19	67	15	62	7	90
TA22	14	89	19	94	19	94	14	85	7	90
TA23	12	100	16	100	19	83	13	92	13	100
TA24	19	100	17	100	18	100	16	100	13	100
TA25	16	94	10	100	12	83	14	92	13	100
TA26	10	61	10	88	17	61	14	92	14	85
TA27	14	94	8	100	18	94	15	100	10	90
TA28	19	78	8	75	18	61	12	69	9	90
TA29	13	67	8	75	18	83	9	62	11	80
TA30	AB	61	AA	94	AB	50	AB	77	AB	55
TA31	19	94	19	94	18	94	20	100	16	100
TA32	18	100	11	100	17	72	13	92	12	100
TA33	16	89	16	88	19	100	15	85	17	75
TA34	19	100	16	94	19	94	15	85	18	100
TA35	13	89	15	100	17	61	14	85	14	95
TA36	18	100	14	100	19	83	19	100	15	100
TA37	19	94	18	100	19	72	20	92	18	100
TA38	18	94	8	88	19	89	12	92	11	95
TA39	20	94	19	94	19	67	20	85	14	100
TA40	12	94	18	94	18	72	11	100	15	100

*Kant*  
24/12/2020  
(Prof. S. S. Jadhav)  
ISE Coordinator

*SAS*  
24/12/2020  
(Prof. S. A. Sonawane)  
Head, Mech.Engg.Dept.

HEAD,  
Dept. of Mechanical Engg  
C O E Pandharpur

Roll. No.	HMT MARK	HMT ATTEN	ICE MARK	ICE ATTEN	CAD/CAM MARK	CAD/CAM ATTEN	ESA MARK	ESA ATTEN	MD-II MARK	MD-II ATTEN
TA41	16	100	18	100	17	100	14	100	11	100
TA42	20	100	17	100	18	100	16	100	16	100
TA43	15	39	8	38	16	50	3	62	9	60
TA44	10	83	12	88	18	83	15	85	14	75
TA45	16	89	16	88	18	83	11	85	17	95
TA46	8	83	16	94	15	83	9	100	7	100
TA47	8	89	11	94	16	94	8	100	0	100
TA48	10	83	14	69	19	67	19	92	19	90
TA49	12	61	AA	81	AB	72	AB	100	16	80
TA50	18	100	19	100	19	100	20	100	19	100
TA51	13	94	16	94	18	83	11	77	19	90
TA52	17	100	19	100	19	67	16	85	18	90
TA53	16	83	16	94	16	61	16	77	6	90
TA54	16	33	18	31	19	22	16	23	14	35
TA55	13	89	8	94	17	89	14	77	6	95
TA56	20	89	18	100	19	78	19	100	15	85
TA57	13	100	10	100	18	83	19	92	10	95
TA58	19	78	14	81	19	89	19	92	12	90
TA59	14	56	16	44	18	89	9	92	8	100
TA60	19	72	19	88	19	83	10	100	17	90
TA61	17	89	15	100	19	100	15	92	16	95
TA62	17	83	17	94	19	100	16	100	16	100
TA63	17	100	19	88	18	83	19	92	16	100
TA64	12	67	10	81	18	61	9	77	8	80
TA65	16	100	14	88	18	94	17	85	17	95
TA66	19	89	19	81	17	61	18	69	19	95
TA67	19	89	18	94	19	72	18	85	19	100
TA68	18	100	17	100	18	100	19	100	11	100
TA69	16	67	17	69	17	67	15	69	5	90
TA70	20	89	19	100	18	100	12	100	15	90
TA71	20	100	19	100	19	100	19	100	20	100
TA72	15	78	5	56	15	44	16	46	3	65
TA73	14	78	13	94	18	61	10	77	6	85
TA74	12	89	14	88	16	78	19	85	6	85

*Kant*  
24/12/2020  
(Prof. S. S. Jadhav)  
ISE Coordinator

*SAS*  
24/12/2020  
(Prof. S. A. Sonawane)  
Head, Mech. Engg. Dept.

HEAD,  
Dept. of Mechanic  
C.O.E. Pandharpur



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S  
**COLLEGE OF ENGINEERING, PANDHARPUR**

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)  
Tel.: 02186-216063, 9503103757, E-mail : [coc@sveri.ac.in](mailto:coc@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)  
(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)  
NBA Accredited all Eligible UG Programmes and , NAAC, Accredited Institute,  
Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



Date: 23/02/2020

**Department of Mechanical Engineering**

**Notice**

All the students of T.E. & B.E. Mechanical those who are failed or remained absent for subject(s) in ISE-I or willing to improve the performance in one or more Subject(s) at his/her choice may have to appear for RE-ISE-I, compulsorily by paying charges of Rs.100/- per Subject of ISE-I.

For appearing Re-ISE-I, student has to write application and attach Rs 100/- fine receipt and submit to concern subject teacher on or before **25<sup>th</sup> Feb. 2020.**

**RE- ISE-I** of this semester will be scheduled from **Friday, 27<sup>th</sup> Feb. 2020.** The detailed Schedule of RE-ISE-I is displayed on Notice Board.

So take the note of same & act accordingly.

✓  
(Prof. S. S. Jadhav)  
ISE Co-ordinator  
Mech. Engg. Dept.

SAZ  
(Dr. S. A. Sonaware)  
H.O.D.  
Mech. Engg. Dept.

HEAD,  
Dept. of Mechanical E  
C.O.E. Pandharpur

BE-BB3 - [Signature]

TE-B [Signature]  
BE BB4 [Signature]

B.E.-DTK-BB-2 [Signature]

T.EA-II - [Signature]

BE-B1 [Signature]

TA01 - [Signature]

**SVERI's COE, Pandharpur**  
**Mechanical Engineering Dept.**  
**TIME TABLE**  
**EXAMINATION: RE-ISE-I**  
**SEMESTER-II**  
**A.Y. 2019-20**

**CLASS: T.E. Mechanical**

**Division: A and B.**

Paper No.	Subject	Date	Time
1	ESA	27/02/2020	05:00 PM To 06:00PM
2	CAD-CAM-CAE	28/02/2020	05:00 PM To 06:00PM
3	ICE	29/02/2020	05:00 PM To 06:00PM
4	HMT	01/03/2020	05:00 PM To 06:00PM
5	MD-II	02/03/2020	05:00 PM To 06:00PM

**CLASS: B.E. Mechanical**

**Division: A and B.**

Paper No.	Subject	Date	Time
1	IE	27/02/2020	05:00 PM To 06:00PM
2	IQM	28/02/2020	05:00 PM To 06:00PM
3	NCM	29/02/2020	05:00 PM To 06:00PM
4	PE/MM	01/03/2020	05:00 PM To 06:00PM

✓  
( Prof. S.S. Jadhav)

ISE Co-ordinator

Mechanical Engineering Dept.

SK2  
( Dr. S. A. Sonawane)

H. O. D.

Mechanical Engineering Dept.

HEAD,  
Dept. of Mechanical En  
C.O.E. Pandharpur



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**COLLEGE OF ENGINEERING, PANDHARPUR**

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(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

NBA Accredited all Eligible UG Programmes and , NAAC, Accredited Institute,

Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



ISO 9001:2015



Date: 10/02/2020

## Department of Mechanical Engineering


### Notice


All the students of S.Y.B.Tech Mechanical those who are failed or remained absent for subject(s) in ISE-I or willing to improve the performance in one or more Subject(s) at his/her choice may have to appear for RE-ISE-I, compulsorily by paying charges of Rs.100/- per Subject of ISE-I.

For appearing Re-ISE-I, student has to write application and attach Rs 100/- fine receipt and submit to concern subject teacher on or before 13<sup>th</sup> Feb. 2020.

RE- ISE-I of this semester will be scheduled from Friday, 14<sup>th</sup> Feb. 2020. The detailed Schedule of RE-ISE-I is displayed on Notice Board.

So take the note of same & act accordingly.

  
(Prof. S. S. Jadhav)  
ISE Co-ordinator  
Mech. Engg. Dept.

  
(Dr. S. A. Sonawane)  
H.O.D.  
Mech. Engg. Dept.


HEAD,  
Dept. of Mechanical Engg.  
C.O.E. Pandharpur.


**SVERI's COE, Pandharpur**  
**Mechanical Engineering Dept.**  
**TIME TABLE**  
**EXAMINATION: RE-ISE-I**  
**SEMESTER-I**  
**A.Y. 2019-20**

**CLASS: S.Y.B.Tech. Mechanical**

**Division: A and B.**

Paper No.	Subject	Date	Time
1	M-III	14/02/2020	5:00 PM To 06:00PM
2	FM & FM	15/02/2020	5:00 PM To 06:00PM
3	KTOM	16/02/2020	5:00 PM To 06:00PM
4	MT	17/02/2020	5:00 PM To 06:00PM
5.	PPE	18/02/2020	5:00 PM To 06:00PM

  
( Prof. S.S. Jadhav)  
ISE Co-ordinator  
Mechanical Engineering Dept.

  
( Dr. S.A. Sonawane)  
H. O. D.  
Mechanical Engineering Dept.

HEAD,  
Dept. of Mechanical Engng  
C.O.E. Pandharpur.

# **Industrial Visit**

## **Department of Mechanical Engineering**

**A.Y.: 2019-2020 SEM-II**

<b>Planned Date</b>	<b>Conducted Date</b>
<b>04/03/2020 to 05/03/2020</b>	<b>04/03/2020 to 05/03/2020</b>

Date: 11/09/2019

To

Dean Students,

College of Engineering,

Pandharpur.

Subject: Permission for industrial visit of S.Y. B. Tech (Mechanical Div- A, B & C )

Respected Sir,

As per the curriculum laid down by Solapur University, Solapur for S.Y. B. Tech (Mechanical (Part-I), the subjects of 'Manufacturing Processes and Internal Combustion Engines' include industrial visits. In the processing of same, we had sent letters to related Rocket Engineering, Kolhapur, Sadamate Industries, Plot No. 66, Palus Dist- Sangali and Kedar Foundry, Palus asking permission to visit their organizations. In response, permissions were granted by same.

We request you to grant us the permission to arrange visit of S.Y. B. Tech Mechanical Div- A, B & C on 19<sup>th</sup> & 20<sup>th</sup> of September 2019.

Thanking you.

Yours Sincerely,



(Prof. B. D. Gaikwad)

Subject Teacher-MP



(/Miss. P. K. Patil)

Subject Teacher-MP

  
11/9/19

(Mr. S. S. Jadhav)

Subject Teacher-ICE



(/Miss. V. G. Kalebag )

Subject Teacher-ICE



(Mr. S. J. Shinde)

CC- S. Y. B. Tech- A



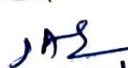
(Mr. C. C. Jadhav)


CC- S. Y. B. Tech- B

Enclosures:

- 1) Copy of syllabus
- 2) Permission from industries
- 3) Schedule of visit
- 4) List of staff accompanying the visit

Respected Sir,  
As per syllabus of S.Y. B.Tech Mech. Engg., students has to visit foundry & engine manufacturing industry for the subjects manufacturing process & I.C. Engine respectively. You are requested to please approve the same. The detailed schedule is attached herewith.

  
11/9/19  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.

Permitted for  
industrial visit  
Attached herewith  




- Need for fettling, stages in fettling, equipments used infettling and cleaning of castings, Common important defects in castings. Inspection procedure, Computer applications in foundry processes, foundry, Mechanization.

## SECTION II

### UNIT-5 Conventional Forming Processes:

No. of lectures-07

- Introduction to forming process, Classification of forming processes, forging, types of forging, simple numerical problem on upset forging. Extrusion, Types – direct extrusion, indirect extrusion, impact extrusion, hydrostatic extrusion, Wire drawing process, Methods of tubedrawing, hot rolling, cold rolling of sheets, classification of Rolling mills, theory of rolling, simple numerical problems on rolling.

### UNIT-6 Advanced Forming Processes:

No. of lectures-05

- Introduction to advanced forming process, High energy rate forming process- explosive, electro-hydraulic, magnetic pulse forming. Forming with hydrostatic pressure- hydro-mechanical and hydro forming process.

### UNIT-6 Introduction to Joining processes

No. of lectures-08

- Welding processes, classification of welding process, arc welding, welding rod selection, TIG welding & MIG welding, submerged arc welding, gas welding, resistance welding, Brazing and soldering.

### • Internal Continuous Assessment(ICA):

1. Design of pattern and core for a simple component.
2. Testing of silica sand for grain fineness and clay content.
3. Testing of green sand for green compression strength, permeability.
4. Study of mold for moisture content and core hardness tester.
5. Study of manufacturing sequence of upset forging with example.
6. Study of VI characteristic of welding process.
7. Visit to Foundry unit.
8. Visit to forgings shop.

### • Text Books:

1. Heine, Lopar, Rosenthal, Principles of Metal Casting.
2. N.D. Titov, Foundry Practice.
3. P.L. Jain, Principles of Foundry Technology.
4. P.N. Rao, Manufacturing Technology: Foundry, Forming and Welding.
5. Production Technology by P.C. Sharma



**Punyashlok Ahilyadevi Holkar Solapur University, Solapur**  
**S.Y.B. Tech. (Mechanical Engineering) Semester-III**  
**ME215 – B: Professional Elective -I**  
**Internal Combustion Engine**

**Teaching Scheme**

Theory: 3 Hrs/week

Practical: 2 Hrs/week

**Examination Scheme**

ESE: 70 Marks

ISE: 30 Marks

ICA: 25 Marks

**Course Objectives:**

During this course, student is expected

1. Distinguish the different types of engine constructions and their thermodynamic principles.
2. Differentiate the constructional details of various fuel systems used in different types of I. C. Engines and calculate major dimensions of carburetor and fuel injection system.
3. Apply the basic knowledge to infer the different methods for enhancing the performance of I. C. engines
4. Correlate the difference in SI and CI engine combustion processes with the design of combustion chambers used in these engines
5. Evaluate the performance parameters of I. C. engines to justify their use in different applications.
6. Categorize different alternative fuels suitable for different engine applications and compare the pollutants formed in these engines and their control methods

**Course Outcomes:**

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

1. Recognize and understand the reasons for differences in the construction of different types of internal combustion engines.
2. Understand the reasons for differences among operating characteristics of different engine types and designs
3. Select the appropriate engine for a given application.
4. Conduct performance tests on engines and Compare experimental results with Theoretical predictions.
5. Compare experimental results with theoretical predictions and make proper justifications.

**Section I**

**Unit 1 - Introduction to I. C. Engine No of lectures – 05**

Introduction, Classification of I.C. Engines, Engine Cycles-Otto and Diesel Cycle, Valve timing diagram for high and low speed engines, Port timing diagram for two strokes S.I. Engines.

**Unit 2–Fuel System for S. I. Engines No of lectures – 06**

Engine fuel requirements, Mixture requirements, Simple carburetor, and Additional systems in modern carburettor, compensating devices, Calculation of air fuel ratio (exact and approximate methods), Calculation of main dimensions of air and fuel supply (Numerical calculations of main dimensions of carburetor), Electronic Petrol injection system (MPFI).

**Unit 3–Fuel System for C. I. Engines No of lectures – 05**

Requirements of fuel injection system for C.I. Engines, Types of injection systems-Individual pump, Common rail and Distributor systems, Unit injector, Types of fuel nozzles- single hole, multihole, pintle and pintaux, CRDI.

**Unit 4–Supercharging No of lectures – 04**

Purpose of supercharging, Turbo charging, Thermodynamic cycle of supercharged and turbocharged Engines, Advantages and disadvantages, Limits of supercharging for S.I. and C.I. Engines.

**Section II****Unit 5–Combustion in SI Engine No of lectures – 05**

Stages of combustion in S.I. Engines, Ignition lag, Flame propagation, Factors affecting flame speed, Abnormal combustion, Octane number, HUCR, Requirements of combustion chambers of S.I. Engines and its types.

**Unit 6–combustion in C.I. Engines No of lectures – 05**

Stages of combustion in C.I. Engines, Delay period, Abnormal Combustion-Diesel knock, Requirements of combustion chambers for C.I. Engines and its types. Comparison of abnormal combustion in S I and C I Engines. Cetane number.

**Unit 7 –Engine performance No of lectures – 05**

Performance parameters, Measurement of performance parameters like torque, power, and Volumetric Efficiency, Mechanical Efficiency, bsfc, Brake and Indicated Thermal efficiencies. Heat Balance Sheet. (Numerical on engine Performance and Heat Balance Sheet).

**Unit 8–Alternative Fuels and Engine Emission No of lectures – 05**

Various alternative fuels and their suitability for I. C. Engines.S.I. Engine emissions (HC, CO, NOx),C.I. Engines Emissions (CO, NOx, Smog, Particulate), Bharat Norms

**TERM WORK**

**Term work (minimum 3 from group A and B, and all from Group C)**

**Group A (Study Group)**

- i. Constructional details of I.C. engines
- ii. Study of Engine Cooling and Lubrication system
- iii. Study of Ignition systems and Starting systems
- iv. Study of fuel system for S.I. and C. I. engines

**Group B (Trial Group)**

- i. Constant Speed Test (Influence of load on performance)
- ii. Morse Test
- iii. Heat balance sheet
- iv. Test on computer controlled I.C. Engine/ Variable Compression Ratio Engine
- v. Measurement of exhaust emissions of SI / CI engines

**Group C**

- i. Assignment on recent trends in IC Engine.
- ii. Visit to an engine manufacturing company / repairing unit.

**Text books:**

- 1 Internal Combustion Engines, Mathur and Sharma, Dhanpat Rai.
- 2 Engineering Fundamentals of the Internal Combustion Engine, Willard Pulkrabek, Prentice Hall
- 3 Internal Combustion Engines, R. K. Rajput, Dhanpat Rai Publications.
- 4 Internal Combustion Engines, V. Ganesan, McGraw Hill.

**Reference books:**

- 1 Internal Combustion Engines Fundamentals, John Heywood, McGraw Hill
- 2 Internal Combustion Engines Emission and Control, Eran Sher, SAE
- 3 Engine Emissions Purandir, Narosa
- 4 Alternative Fuels, S.S Thipse, Jaico
- 5 Internal Combustion Engines Fundamentals, Maleev, McGraw Hill
- 6 Internal Combustion Engines Vol. 1 and Vol. 2, C.F Taylor, MIT Press
- 7 Internal Combustion Engines, Obert, McGraw Hill
- 8 Internal Combustion Engines: Applied Thermo sciences, Fergusson & Kirkpatrick, Wiley.
- 9 SAE Handbook, SAE, SAE.



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Dist. Solapur (Maharashtra) Ph.(02186)- 282223, 9503103892

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)  
ISO 9001-2000 Certified Institute & Accredited by Institute of Engineers, India,  
E-mail : coe@sveri.ac.in



Website: www.sveri.ac.in

Ref. No.: COEPR/MECH/19-20/ 173

Date: -29/08/2019

To,  
Production Manager,  
Shree Kedar Metal Foundries,  
Gate no.49, Near Instrial Istate,  
Palus ,  
Sangali.

**Sub: - About Industrial Visit**

Dear Sir,

Hope this letter finds you in good health and pleasant mood.

First of all, we wish to put before you few words regarding our College. Ours is an ISO 9001 certified Engineering College located in Pandharpur, the "South Kashi" of India and "Spiritual capital" of Maharashtra. "Shri Vitthal Education & Research Institute", Pandharpur, the trust established by group of qualified and experienced Technocrats, runs the College. We offer the following four-year degree courses in Engineering viz. Mechanical Engg., Civil Engg., Electronics & Tele communication Engg. Computer Science & Engg. and Information Technology.

As per our S.Y. B. Tech (Mechanical Engg.) syllabus for Manufacturing processes subject, we want to organize industrial visit to your well reputed organization for getting knowledge about Manufacturing Processes. Our Second year Mechanical students nearly about 143 students are willing to visit your estimated organization. So you are requested to allow us with 143 students of S.Y. B. Tech Mechanical to visit your esteemed organization on 19<sup>th</sup> Sept. 2019.

We will remain grateful to you if give chance for industrial visit.

Thanking you.

Yours faithfully,

SAS

(Dr. S. A. Sonawane)  
Head, Mech. Engg. Dept.

HEAD,  
Dept. of Mechanical Engg.  
C.O.E. Pandharpur.

19/09/19



Permitted for VISIT

4890161065

Ganesh. Walawade

7798115555



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

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ISO 9001-2000 Certified Institute & Accredited by Institute of Engineers, India,  
E-mail : coe@sveri.ac.in

Website: www.sveri.ac.in



Ref. No.: - COEPR/MECH/19-20/ 172

Date: -29/08/2019

To,  
Production Manager,  
Sadamate Industries,  
Plot no.66, Industrial Estate,  
Palus,  
Sangali.

**Sub: - About Industrial Visit**

Dear Sir,

Hope this letter finds you in good health and pleasant mood.

First of all, we wish to put before you few words regarding our College. Ours is an ISO 9001 certified Engineering College located in Pandharpur, the "South Kashi" of India and "Spiritual capital" of Maharashtra. "Shri Vitthal Education & Research Institute", Pandharpur. the trust established by group of qualified and experienced Technocrats. runs the College. We offer the following four-year degree courses in Engineering viz. Mechanical Engg., Civil Engg., Electronics & Tele communication Engg. Computer Science & Engg. and Information Technology.

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We will remain grateful to you if give chance for industrial visit.

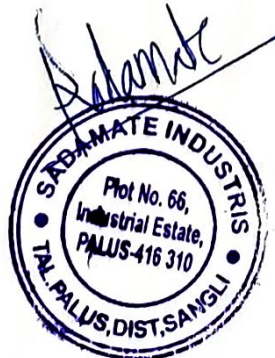
Thanking you.

Yours faithfully,

*SAB*

(Dr. S. A. Sonawane)  
Head, Mech. Engg. Dept.

**HEAD,**  
Dept. of Mechanical Engg.  
C.O.E. Pandharpur.



*Dr. Sonawane*  
9890161065



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

**COLLEGE OF ENGINEERING, PANDHARPUR**

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal - Pandharpur- 413 304,  
Dist. Solapur (Maharashtra) Ph.(02186)- 282223, 9503103892

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)  
ISO 9001-2000 Certified Institute & Accredited by Institute of Engineers, India,

E-mail : coe@sveri.ac.in

Website: www.sveri.ac.in



Ref. No.: - COEPR/MECH/19-20/ 172

Date: -29/08/2019

To,  
Production Manager,  
Sadamate Industries,  
Plot no.66, Industrial Estate,  
Palus,  
Sangali.

**Sub: - About Industrial Visit**

Dear Sir,

Hope this letter finds you in good health and pleasant mood.

First of all, we wish to put before you few words regarding our College. Ours is an ISO 9001 certified Engineering College located in Pandharpur, the "South Kashi" of India and "Spiritual capital" of Maharashtra. "Shri Vitthal Education & Research Institute", Pandharpur, the trust established by group of qualified and experienced Technocrats, runs the College. We offer the following four-year degree courses in Engineering viz. Mechanical Engg., Civil Engg., Electronics & Tele communication Engg. Computer Science & Engg. and Information Technology.

As per our S.Y. B. Tech (Mechanical Engg.) syllabus for Manufacturing processes subject, we want to organize industrial visit to your well reputed organization for getting knowledge about Manufacturing Processes. Our Second year Mechanical students nearly about 143 students are willing to visit your estimated organization. So you are requested to allow us with 143 students of S.Y. B. Tech Mechanical to visit your esteemed organization on 15<sup>th</sup> Sept. 2019.

We will remain grateful to you if give chance for industrial visit.

Thanking you.

Yours faithfully,

(Dr. S. A. Sonawane)  
Head, Mech. Engg. Dept.

· HEAD,  
Dept. of Mechanical Engg.  
C.O.E. Pandharpur.

29/8/19  
9890161065

---

**About Industrial Visit to Rocket Engineering, Kolhapur on 20/09/2019.**

3 messages

---

Avinash Parkhe <akparkhe@coe.sveri.ac.in>  
To: info@rocket-comet.com

Wed, Sep 4, 2019 at 2:55 PM

Dear Sir,

First of all, we wish to put forth few words regarding our College. Ours is NBA accredited and an ISO 9001:2008 certified Engineering College located in Pandharpur, the "South Kashi" of India and "Spiritual capital" of Maharashtra. "Shri Vitthal Education & Research Institute", Pandharpur, the trust established by group of qualified and experienced Technocrats.

As per our **S.Y. B.Tech (Mechanical Engg.)** syllabus for Internal Combustion Engine subject, we want to organize industrial visit to your well reputed industry for getting knowledge about Petrol/Diesel Engine. Our Second year Mechanical students are nearly about 120, who are willing to visit to your esteemed organization. So you are requested to permit us to visit your esteemed organization for our **S.Y. B.Tech Mechanical** students along with few Staff members, on **20/09/2019**.

--  
Thank You.

Regards,

--  
Mr. Avinash K. Parkhe  
Assistant Professor  
Mechanical Engg. Department  
SVERI's College of Engineering, Pandharpur  
Tal - Pandharpur- 413 304, Dist - Solapur (Maharashtra)  
Cell - 9503632622, 8275447792

---

info <info@rocket-comet.com>  
To: Avinash Parkhe <akparkhe@coe.sveri.ac.in>

Thu, Sep 5, 2019 at 4:11 PM

Dear Sir

Please refer to your mail as under regarding visit of your students to our factory.

As proposed by you, your students can visit our factory on 20/09/2019 at 10.00 AM. After reaching our factory, you may contact Shri Sanjay T.Patil (HR Officer) Mobile No. 9673331103.

Regards

S.T.Patil

Rocket Engineering Corporation Pvt.Ltd., kolhapur.



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

**COLLEGE OF ENGINEERING, PANDHARPUR**

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)  
Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

NBA Accredited all Eligible UG Programmes and , NAAC, Accredited Institute,

Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



ISO 9001:2015



Ref. No.: COEPR/MECH/19-20/

Date: 20/09/2019

To,

**Rocket Engineering,**

**Corporation Pvt.Ltd.,**

**kolhapur.**

**Sub: -About Industrial Visit**

Dear Sir,

Hope this letter finds you in good health and pleasant mood.

First of all, we wish to put forth few words regarding our College. Ours is NBA accredited and an ISO 9001:2015 certified Engineering College located in Pandharpur, the "South Kashi" of India and "Spiritual capital" of Maharashtra. "Shri Vitthal Education & Research Institute", Pandharpur, the trust established by group of qualified and experienced Technocrats.

As per our **S.Y. B.Tech (Mechanical Engg.)** syllabus for Internal Combustion Engine subject, we want to organize industrial visit to your well reputed industry for getting knowledge about Petrol/Diesel Engine. Our Second year Mechanical students are nearly about 120, who are willing to visit to your estimated organization. So you are requested to permit us to visit your esteemed organization for our **S.Y. B.Tech Mechanical** students along with few Staff members, on **20/09/2019**.

Yours faithfully,

*SA*  
(Dr. S. A. Sonawane)

Head, Mech Engg. Dept.

Dept. of Mechanical Engg  
C.O.E. Pandharpur.



*20-9-19*

*Noted 120 No. student +  
07 No. teacher staff*

*→ found ok*





SHRI VITHAL EDUCATION & RESEARCH INSTITUTE's  
**COLLEGE OF ENGINEERING, PANDHARPUR**

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)  
Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

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Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



ISO 9001:2015



Ref. No.: COEPR/MECH/19-20/

Date: 19/09/2019

To,

**Sadamate Forging, Pvt.Ltd.,**

**Palus, Dist - Sangali**

**Sub: -About Industrial Visit**

Dear Sir,

Hope this letter finds you in good health and pleasant mood.

First of all, we wish to put forth few words regarding our College. Ours is NBA accredited and an ISO 9001:2015 certified Engineering College located in Pandharpur, the "South Kashi" of India and "Spiritual capital" of Maharashtra. "Shri Vitthal Education & Research Institute", Pandharpur, the trust established by group of qualified and experienced Technocrats.

As per our **S.Y. B.Tech (Mechanical Engg.)** syllabus for Internal Combustion Engine subject, we want to organize industrial visit to your well reputed industry for getting knowledge about Petrol/Diesel Engine. Our Second year Mechanical students are nearly about 120, who are willing to visit to your esteemed organization. So you are requested to permit us to visit your esteemed organization for our **S.Y. B.Tech Mechanical** students along with few Staff members, on **19/09/2019**.

Yours faithfully,

*SAS*

(Dr. S. A. Sonawane)

Head, Mech Engg. Dept.

**HEAD,**  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.

*132 students & staff members  
visited on 19/9/2019.*





SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

## COLLEGE OF ENGINEERING, PANDHARPUR

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

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Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



ISO 9001:2015



Ref. No.:- COEPR/MECH/19-20/

Date: 19/09/2019

To,

Kedar Foundary, Pvt.Ltd.,

Palus, Dist - Sangali

**Sub: About Industrial Visit**

Dear Sir,

Hope this letter finds you in good health and pleasant mood.

First of all, we wish to put forth few words regarding our College. Ours is NBA accredited and an ISO 9001:2015 certified Engineering College located in Pandharpur, the "South Kashi" of India and "Spiritual capital" of Maharashtra. "Shri Vitthal Education & Research Institute", Pandharpur, the trust established by group of qualified and experienced Technocrats.

As per our S.Y. B.Tech (Mechanical Engg.) syllabus for Internal Combustion Engine subject, we want to organize industrial visit to your well reputed industry for getting knowledge about Petrol/Diesel Engine. Our Second year Mechanical students are nearly about 120, who are willing to visit to your esteemed organization. So you are requested to permit us to visit your esteemed organization for our S.Y. B.Tech Mechanical students along with few Staff members, on 19/09/2019.

Yours faithfully,

*SAS*  
(Dr. S. A. Sonawane)

Head, Mech Engg. Dept.

HEAD,  
Dept. of Mechanical Engg.  
C.O.E. Pandharpur.

**SHREE KEDAR METAL  
FOUNDRIES, PALUS**  
SECRET

Entry

*132 student visited along with  
08 faculty members.  
visited to our  
company.  
dated - 19/09/19  
Amul mulla Asis*



**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**A.Y.: 2019-20 SEM: I**

**UNDERTAKING FOR INDUSTRIAL VISIT**

Date: 11/09/2019

We undersigned students of S. Y. B. Tech. Mechanical (A) div. hereby declare that to fulfill the requirement of our university syllabus, we are willingly going to industrial visit to Palus and Kolhapur on 19<sup>th</sup> & 20<sup>th</sup> September 2019. We shall follow all the instructions given by staff members and maintain discipline & culture of institute throughout the visit. We are responsible for our own safety. If any misbehavior will happen from our side during visit, we are ready for punishment decided by authority.

We are signing the undertaking on 11/09/19 in presence of Prof. B. D. Gaikwad, Prof. S. J. Shinde, Prof. A. K. Parkhe, Prof. C. C. Jadhav, /Prof. P. K. Patil, Prof. R. D. Solage, Prof. S. S. Jadhav

Roll No.	Name of Student	Sign.	Roll No.	Name of Student	Sign.
SA 01	/Achugatla Komal		SA 26	Gaikwad Vaibhav Nanasaheb	
SA 02	/Gajakosh Shradhha Dattatray		SA 27	Gaikwad Vaibhav Ramdas	
SA 03	/Joshi Gayatri Vinayak		SA 28	Ghadage Prakash Bhimrao	
SA 04	/Lakheri Vaishnavi Mahesh		SA 29	Shelar Yuvraj Vinod	
SA 05	/Mirjkar Saleha Salim		SA 30	Satapute Rahul Rajaram	
SA 06	/Parchandrao Madhuri		SA 31	Godse Rutik Ramesh	
SA 07	/Parvat Namrata Raju		SA 32	Patil Rushikesh Vidyadhar	
SA 08	/Sathe Deepjyoti Dattatray		SA 33	Hambirrao Kiran Vinayak	
SA 09	/Tarapurkar Rutuja Suresh		SA 34	Jagadale Milind Shashikant	
SA 10	Admane Dhananjay Rajendra		SA 35	Parchandrao Chandragupt V.	
SA 11	Sul Amol Dhondiba		SA 36	Jatkar Prathamesh Manohar	
SA 12	Bansode Dnyaneshwar		SA 37	Joshi Atharv Santosh	
SA 13	Jadhav Atish Balaso		SA 38	Kadasare Saurabh Bandu	
SA 14	Burungale Bharat Dnyandev		SA 39	Kale Ayush Nitin	
SA 15	Chavan Samarth Suresh		SA 40	Khandagale Rohit Ananda	
SA 16	Chavan Saurabh Chandrakant		SA 41	Kirgat Prathmesh Ramesh	
SA 17	Chavan Shreeyash Rajaram		SA 42	Kshirsagar Sachin Ashok	
SA 18	Chavan Yogesh Prakash		SA 43	Pansare Akshay Balasaheb	
SA 19	Chavare Sumeet Suhas		SA 44	Misal Mangesh Mahavir	
SA 20	Chitari Ghanasham		SA 45	More Suraj Dattatray	
SA 21	Dandage Omkar Babaso		SA 46	Motewar Aditya Vyankatesh	
SA 22	Deokar Onkar Rajendra		SA 47	Mundhe Nikhil Dilip	
SA 23	Deshmukh Pruthviraj		SA 48	Narute Bhushan Narayan	
SA 24	Todkar Ganesh Shankar		SA 49	Waghmare Sachin Dattatray	
SA 25	Gadekar Yash Yuvraj		SA 50	Disale Pranay	

**SAS**  
**HEAD,**  
 Dept. of Mechanical Engg  
 C.O.E. Pandharpur.

**11/9/19**  
 (Prof. S. J. Shinde)  
 Class Co-ordinator-SE A

**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**A.Y.: 2019-20 SEM: I**  
**UNDERTAKING FOR INDUSTRIAL VISIT**

Date: 11/09/2019

We undersigned students of S. Y. B. Tech. Mechanical (B) div. hereby declare that to fulfill the requirement of our university syllabus, we are willingly going to industrial visit to Palus and Kolhapur on 19<sup>th</sup> & 20<sup>th</sup> September 2019. We shall follow all the instructions given by staff members and maintain discipline & culture of institute throughout the visit. We are responsible for our own safety. If any misbehavior will happen from our side during visit, we are ready for punishment decided by authority.

We are signing the undertaking on 11/09/19 in presence of Prof. B. D. Gaikwad, Prof. S. J. Shinde, Prof. A. K. Parkhe, Prof. C. C. Jadhav, /Prof. P. K. Patil, Prof. R. D. Solage, Prof. S. S. Jadhav

Roll No.	Name of Student	Sign.	Roll No.	Name of Student	Sign.
SB 01	/Deshpande Samruddhi		SB 28	Metkari Om Damodar	
SB 02	/EkatpurePreranaShrirang		SB 29	Mulani Aman Allauddin	
SB 03	/LaleArati Gajanan		SB 30	NagtilakHarshal Rajendra	
SB 04	/Mane Snehal Digambar		SB 31	NanawareJaydev Dipak	
SB 05	/More Vaishali Dilip		SB 32	Nikam Saurabh Sanjay	
SB 06	/SonawaneDhanashree Bharat		SB 33	Parmar Ridham Girish	
SB 07	Vidhate Rohit Dattatraya		SB 34	Patil Madan Kalyan	
SB 08	Wadekar Saurabh Ganesh		SB 35	Patil Santosh Hanamant	
SB 09	BankarAdeshGorakh		SB 36	Patil Yogesh Kumar	
SB 10	Bansode Aniket Annaso		SB 37	Pawar Omkar Santosh	
SB 11	Bapat Vinayak Vishnu		SB 38	Pawar Shubham Uttam	
SB 12	Bhosale Hritik Ramesh		SB 39	Rai Hrishav Raj	
SB 13	Bhosale Vaibhav Rajendra		SB 40	Rohit Dattatry Chatage	
SB 14	Deshmukh Pratik Pravin		SB 41	Yasar Yusuf Khatik	
SB 15	Dhotre Sourabh Sanjay		SB 42	SarakKashilingKalidas	
SB 16	Dixit Manthan Milind		SB 43	Saravale Aniket Rajkumar	
SB 17	Gaikwad Abhinav Rajendra		SB 44	Shaikh Aftab Bashir	
SB 18	Gavali Suraj Rajendra		SB 45	Shaikh Salim Husen	
SB 19	Waghmode Chetan		SB 46	Shinde Dipak Pandurang	
SB 20	WaghmodeDhondiram		SB 47	Shinde Nanasahab S.	
SB 21	Kadam Nilesh Sanjay		SB 48	Shinde Vishwajit Ashok	
SB 22	Khote Abhijeet Sunil		SB 49	ShitoleDnyaneshawar Ganpat	
SB 23	Kulkarni Atharv Makarand		SB50	Ubale Harshvardhan Sudhir	
SB 24	Londhe Vaibhav Anil		SB51	Taur Mohit Nagesh	
SB 25	MadaneAvinashAjinath		SB52	KengarSachinUttam	
SB 26	Mali Amol Vijay		SB 53	Langote Krishna S.	
SB 27	Mashalkar Omkar Basavraj				

**HEAD,**  
 Dept. of Mechanical Engg.  
 C.O.E. Pandharpur.

(Prof. C. C. Jadhav)  
 Class Co-ordinator-SE B

**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**A.Y.: 2019-20 SEM: I**

**UNDERTAKING FOR INDUSTRIAL VISIT**

Date: 11/09/2019

We undersigned students of S. Y. B. Tech. Mechanical (C) div. hereby declare that to fulfill the requirement of our university syllabus, we are willingly going to industrial visit to Palus and Kolhapur on 19<sup>th</sup> & 20<sup>th</sup> September 2019. We shall follow all the instructions given by staff members and maintain discipline & culture of institute throughout the visit. We are responsible for our own safety. If any misbehavior will happen from our side during visit, we are ready for punishment decided by authority.

We are signing the undertaking on 11/09/19 in presence of Prof. B. D. Gaikwad, Prof. S. J. Shinde, Prof. A. K. Parkhe, Prof. C. C. Jadhav, /Prof. P. K. Patil, Prof. R. D. Solage, Prof. S. S. Jadhav

Roll No.	Name of Student	Sign.	Roll No.	Name of Student	Sign.
SC 01	Sarwade Karuna Sunil	AB	SC 21	Mulani Irfan Rashid	<i>Bm...</i>
SC 02	Surve Prajakta Dharmraj	AB	SC 22	Musale Prajwal Dattatraya	<i>P.D. Musale</i>
SC 03	Ajgar Akash Prasad	<i>AA</i>	SC 23	Nagargoje Rambhaje Ramchandra	<i>gk...</i>
SC 04	Autade Yogesh Samrut	<i>YAS</i>	SC 24	Padage Pritam Balaji	<i>Pet</i>
SC 05	Bagul Sandip Bhagwan	AB	SC 25	Paras Mahavir Mule	<i>Paras...</i>
SC 06	Bhandare Pranav Milind	<i>P.Bhandare</i>	SC 26	Pawar Shailesh Mahadev	<i>S. Pawar</i>
SC 07	Dhabade Avinash Basavraj	<i>Ajay</i>	SC 27	Phalake Onkar Haridas	AB
SC 08	Dhere Rupesh Ambrushi	AB	SC 28	Ronge Vivek Dashrath	<i>V. Ronge</i>
SC 09	Eakamalli Nitin Tatya	<i>Eakamalli</i>	SC 29	Sadul Sunil Ambadas	<i>Sadul</i>
SC 10	Gaikwad Saurabh Shahaji	<i>Gaikwad</i>	SC 30	Shaikh Md Aazam Ejaz Ahmed	<i>A. Shaikh</i>
SC 11	Gangthade Vishal Ankush	<i>GA</i>	SC 31	Shikalgar Sohel Humayun	<i>S. Shikalgar</i>
SC 12	Jadhav Sushant Bhausaheb	<i>S. Jadhav</i>	SC 32	Somadale Pravin Dilip	<i>P. Somadale</i>
SC 13	Jagtap Omkar Chandrakant	<i>O. Jagtap</i>	SC 33	Thorat Shashikant Dadarao	<i>S. Thorat</i>
SC 14	Koli Akash Revappa	<i>A. Koli</i>	SC 34	Vairagkar Kanhaiya Sudarshan	AB
SC 15	Lavate Dashrath Pandurang	<i>Lavate</i>	SC 35	Wadekar Chaitanya Dattatray	AB
SC 16	Londhe Avinash Sandipan	<i>A. Londhe</i>	SC 36	Waykar Vallabh Trimbak	<i>Waykar</i>
SC 17	Mane Akash Sambhaji	<i>A. Mane</i>	SC 37	Patil Onkar Sanjay	<i>O. Patil</i>
SC 18	Mane-Deshmukh Samarth	<i>S. Mane</i>			
SC 19	Mohammad Sajid Khan	<i>M. Khan</i>			
SC 20	Mujawar Nihal Yusuf	<i>N.Y. Mujawar</i>			

*SAS*  
**HEAD,**  
 Dept. of Mechanical Engg  
 C.O.E. Pandharpur.

*P. K. Patil*  
 (Prof. P. K. Patil)  
 Class Co-ordinator-SE C

**Department of Mechanical Engineering**

**Schedule of Industrial Visit**


**S. Y. B. Tech Mechanical- Div- A, B & C**

**Date: 19<sup>th</sup> & 20<sup>th</sup> September 2019**

Sr. No.	Activity	Date	Time
1	Departure from Pandharpur	19/09/2019	5:00 am
2	Arrival at Palus Dist- Sangli		10:00 am
3	Breakfast & Tea at Palus Dist- Sangli		10:00 to 11:30 am
4	Visit to Kedar Foundry & Sadamate Industries, Plot No. 66		11:30 am to 3 pm
5	Departure from Palus to Gandharv, Kolhapur		04: 00 pm
6	Departure from Gandharv, Kolhapur	20/09/2019	09:30 am
7	Arrival at Rocket Engineering, Kolhapur		10:30 am
8	Visit to Rocket Engineering, Kolhapur		11:00 am to 01:30 pm
9	Lunch at Kolhapur		01:30 pm to 3 pm
10	Departure from Kolhapur to Pandharpur		3 pm

  
(Prof. B. D. Gaikwad)

Subject Teacher-MP

  
(Miss. V. G. Kalebag )


Subject Teacher-ICE

  
(Miss. P. K. Patil)

Subject Teacher-MP

  
(Mr. S. J. Shinde)

CC- S. Y. B. Tech- A

  
(Mr. S. S. Jadhav)

Subject Teacher-ICE

  
(Mr. C. C. Jadhav)

CC- S. Y. B. Tech- B

  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.

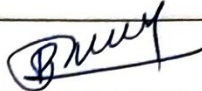

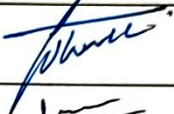







**Department of Mechanical Engineering**

**List of Faculty Members accompanying Industrial Visit**

**S. Y. B. Tech Mechanical- Div- A, B & C**

**Date: 19<sup>th</sup> & 20<sup>th</sup> September 2019**

Sr. No.	Name of Faculty	Signature
1	Prof. B. D. Gaikwad	
2	Mr. S. J. Shinde	
3	Mr. C. C. Jadhav	
4	Mr. S. S. Jadhav	
5	Mr. A. K. Parkhe	
6	Mr. R. D. Solage	
7	Mrs. P. K. Patil	
8	Mr. G. D. Jagtap	



(Dr. S. A. Sonawane)

Head, Dept. of Mech. Engg.

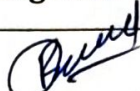
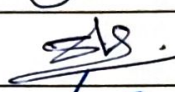






HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.

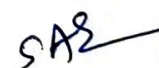
**Department of Mechanical Engineering**

**List of Faculty Members accompanying Industrial Visit**

**S. Y. B. Tech Mechanical- Div- A, B & C**

**Date: 19<sup>th</sup> & 20<sup>th</sup> September 2019**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Signature</b>
<b>1</b>	Prof. B. D. Gaikwad	
<b>2</b>	Mr. S. J. Shinde	
<b>3</b>	Mr. C. C. Jadhav	
<b>4</b>	Mr. S. S. Jadhav	
<b>5</b>	Mr. A. K. Parkhe	
<b>6</b>	Mr. D. D. Ronge	
<b>7</b>	Mr. R. D. Solage	
<b>8</b>	Mrs. P. K. Patil	



(Dr. S. A. Sonawane)

Head, Dept. of Mech. Engg.  
HEAD,

Dept. of Mechanical Engg.  
C.O.E. Pandharpur.

Date:-11/09/2019

To,  
The Principal  
SVERI's College of Engineering,  
Pandharpur

Sub:- About Duty leave.

Respected Sir,

We undersigned staff members are going to Kedar Foundry, Palus and Rocket Engineering ,  
Kolhapur along with S. Y. B. Tech. Mechanical Div- A, B & C students on 19/09/2019 & 20/09/2019.

Kindly consider the case. Please do the needful for same

You are requested to grant duty leave for following staff members.

Thanking you,

1) Prof. B. D. Gaikwad



2) Mr. S. J. Shinde



3) Mr. C. C. Jadhav



4) Mr. S. S. Jadhav -



5) Mr. A. K. Parkhe -



6) Mr. D. D. Ronge



7) Mr. R. D. Solage



8) Mrs. P. K. Patil



**DEPARTMENT OF MECHANICAL ENGINEERING**

**A.Y. 2019-20**

**CLASS: S. Y. B. Tech. (MECH) DIV: A**

**Attendance for Industrial Visit to Rocket Engine, Shirol MIDC, Kolhapur**

**Date:- 20/09/2019**

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
SA 01	/Achugatla Komal Revansidheshwar	<i>Achugatla</i>	SA 26	Gaikwad Vaibhav Nanasaheb	<i>Gaikwad</i>
SA 02	/Gajakosh Shradhha Dattatray	<i>Gajakosh</i>	SA 27	Gaikwad Vaibhav Ramdas	<i>Gaikwad</i>
SA 03	/Joshi Gayatri Vinayak	<i>Joshi</i>	SA 28	Ghadage Prakash Bhimrao	<i>Ghadage</i>
SA 04	/Lakheri Vaishnavi Mahesh	<i>Lakheri</i>	SA 29	Shelar Yuvraj Vinod	<i>Shelar</i>
SA 05	/Mirjkar Saleha Salim	<i>Mirjkar</i>	SA 30	Satapute Rahul Rajaram	<i>Satapute</i>
SA 06	/Parchandrao Madhuri Vinayak	<i>Parchandrao</i>	SA 31	Godse Rutik Ramesh	<i>Godse</i>
SA 07	/Parvat Namrata Raju	<i>Parvat</i>	SA 32	Patil Rushikesh Vidyadhar	<i>Patil</i>
SA 08	/Sathe Deepjyoti Dattatray	<i>Sathe</i>	SA 33	Hambirrao Kiran Vinayak	<i>Hambirrao</i>
SA 09	/Tarapurkar Rutuja Suresh	<i>Tarapurkar</i>	SA 34	Jagdale Milind Shashikant	<i>Jagdale</i>
SA 10	Admane Dhananjay Rajendra	<i>Admane</i>	SA 35	Parchandrao Chandragupt V.	<i>Parchandrao</i>
SA 11	Sul Amol Dhondiba	<i>Sul</i>	SA 36	Jatkar Prathamesh Manohar	<i>Jatkar</i>
SA 12	Bansode Dnyaneshwar Rohidas	<i>Bansode</i>	SA 37	Joshi Atharv Santosh	<i>Joshi</i>
SA 13	Jadhav Atish Balaso	<i>Jadhav</i>	SA 38	Kadasare Saurabh Bandu	<i>Kadasare</i>
SA 14	Burungale Bharat Dnyandev	<i>Burungale</i>	SA 39	Kale Ayush Nitin	<i>Kale</i>
SA 15	Chavan Samarth Suresh	<i>Chavan</i>	SA 40	Khandagale Rohit Ananda	<i>Khandagale</i>
SA 16	Chavan Saurabh Chandrakant	<i>Chavan</i>	SA 41	Kirgat Prathmesh Ramesh	<i>Kirgat</i>
SA 17	Chavan Shreeyash Rajaram	<i>Chavan</i>	SA 42	Kshirsagar Sachin Ashok	<i>Kshirsagar</i>
SA 18	Chavan Yogesh Prakash	<i>Chavan</i>	SA 43	Pansare Akshay Balasaheb	<i>Pansare</i>
SA 19	Chavare Sumeet Suhas	<i>Chavare</i>	SA 44	Misal Mangesh Mahavir	<i>Misal</i>
SA 20	Chitari Ghanasham Shashikant	<i>Chitari</i>	SA 45	More Suraj Dattatray	<i>More</i>
SA 21	Dandage Omkar Babaso	<i>Dandage</i>	SA 46	Motewar Aditya Vyankatesh	<i>Motewar</i>
SA 22	Deokar Onkar Rajendra	<i>Deokar</i>	SA 47	Mundhe Nikhil Dilip	<i>Mundhe</i>
SA 23	Deshmukh Pruthviraj Somnath	<i>Deshmukh</i>	SA 48	Narute Bhushan Narayan	<i>Narute</i>
SA 24	Todkar Ganesh Shankar	<i>Todkar</i>	SA 49	Waghmare Sachin Dattatray	<i>Waghmare</i>
SA 25	Gadekar Yash Yuvraj	<i>Gadekar</i>	SA 50	Disale Pranay	<i>Disale</i>

*(Prof. S. J. Shinde)*  
Class Coordinator

*(Dr. S. A. Sonawane)*  
Head, Mech. Engg. Dept.  
**HEAD,**  
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C.O.E. Pandharpur.

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**A.Y. 2019-20**  
**CLASS: S. Y. B. Tech. (MECH) DIV: A**  
**Attendance for Industrial Visit to Kedar Foundry, Palus**

**Date:- 19/09/2019**

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
SA 01	/Achugatla Komal Revansidheshwar		SA 26	Gaikwad Vaibhav Nanasaheb	
SA 02	/Gajakosh Shradhha Dattatray		SA 27	Gaikwad Vaibhav Ramdas	
SA 03	/Joshi Gayatri Vinayak		SA 28	Ghadage Prakash Bhimrao	
SA 04	/Lakheri Vaishnavi Mahesh		SA 29	Shelar Yuvraj Vinod	
SA 05	/Mirjkar Saleha Salim		SA 30	Satapute Rahul Rajaram	
SA 06	/Parchandrao Madhuri Vinayak		SA 31	Godse Rutik Ramesh	
SA 07	/Parvat Namrata Raju		SA 32	Patil Rushikesh Vidyadhar	
SA 08	/Sathe Deepjyoti Dattatray		SA 33	Hambirrao Kiran Vinayak	
SA 09	/Tarapurkar Rutuja Suresh		SA 34	Jagadale Milind Shashikant	
SA 10	Admane Dhananjay Rajendra		SA 35	Parchandrao Chandragupt V.	
SA 11	Sul Amol Dhondiba		SA 36	Jatkar Prathamesh Manohar	
SA 12	Bansode Dnyaneshwar Rohidas		SA 37	Joshi Atharv Santosh	
SA 13	Jadhav Atish Balaso		SA 38	Kadasare Saurabh Bandu	
SA 14	Burungale Bharat Dnyandev		SA 39	Kale Ayush Nitin	
SA 15	Chavan Samarth Suresh		SA 40	Khandagale Rohit Ananda	
SA 16	Chavan Saurabh Chandrakant		SA 41	Kirgat Prathmesh Ramesh	
SA 17	Chavan Shreeyash Rajaram		SA 42	Kshirsagar Sachin Ashok	
SA 18	Chavan Yogesh Prakash		SA 43	Pansare Akshay Balasaheb	
SA 19	Chavare Sumeet Suhas		SA 44	Misal Mangesh Mahavir	
SA 20	Chitari Ghanasham Shashikant		SA 45	More Suraj Dattatray	
SA 21	Dandage Omkar Babaso		SA 46	Motewar Aditya Vyankatesh	
SA 22	Deokar Onkar Rajendra		SA 47	Mundhe Nikhil Dilip	
SA 23	Deshmukh Pruthviraj Somnath		SA 48	Narute Bhushan Narayan	
SA 24	Todkar Ganesh Shankar		SA 49	Waghmare Sachin Dattatray	
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SA 03	/Joshi Gayatri Vinayak	Joshi	SA 28	Ghadage Prakash Bhimrao	Ghadage
SA 04	/Lakheri Vaishnavi Mahesh	Lakheri	SA 29	Shelar Yuvraj Vinod	Shelar
SA 05	/Mirjkar Saleha Salim	Mirjkar	SA 30	Satapute Rahul Rajaram	Satapute
SA 06	/Parchandrao Madhuri Vinayak	Parchandrao	SA 31	Godse Rutik Ramesh	Godse
SA 07	/Parvat Namrata Raju	Parvat	SA 32	Patil Rushikesh Vidyadhar	Patil
SA 08	/Sathe Deepjyoti Dattatray	Sathe	SA 33	Hambirrao Kiran Vinayak	Hambirrao
SA 09	/Tarapurkar Rutuja Suresh	Tarapurkar	SA 34	Jagadale Milind Shashikant	Jagadale
SA 10	Admane Dhananjay Rajendra	Admane	SA 35	Parchandrao Chandragupt V.	Parchandrao
SA 11	Sul Amol Dhondiba	Sul	SA 36	Jatkar Prathamesh Manohar	Jatkar
SA 12	Bansode Dnyaneshwar Rohidas	Bansode	SA 37	Joshi Atharv Santosh	Joshi
SA 13	Jadhav Atish Balaso	Jadhav	SA 38	Kadasare Saurabh Bandu	Kadasare
SA 14	Burungale Bharat Dnyandev	Burungale	SA 39	Kale Ayush Nitin	Kale
SA 15	Chavan Samarth Suresh	Chavan	SA 40	Khandagale Rohit Ananda	Khandagale
SA 16	Chavan Saurabh Chandrakant	Chavan	SA 41	Kirgat Prathmesh Ramesh	Kirgat
SA 17	Chavan Shreeyash Rajaram	Chavan	SA 42	Kshirsagar Sachin Ashok	Kshirsagar
SA 18	Chavan Yogesh Prakash	Chavan	SA 43	Pansare Akshay Balasaheb	Pansare
SA 19	Chavare Sumeet Suhas	Chavare	SA 44	Misal Mangesh Mahavir	Misal
SA 20	Chitari Ghanasham Shashikant	Chitari	SA 45	More Suraj Dattatray	More
SA 21	Dandage Omkar Babaso	Dandage	SA 46	Motewar Aditya Vyankatesh	Motewar
SA 22	Deokar Onkar Rajendra	Deokar	SA 47	Mundhe Nikhil Dilip	Mundhe
SA 23	Deshmukh Pruthviraj Somnath	Deshmukh	SA 48	Narute Bhushan Narayan	Narute
SA 24	Todkar Ganesh Shankar	Todkar	SA 49	Waghmare Sachin Dattatray	Waghmare
SA 25	Gadekar Yash Yuvraj	Gadekar	SA 50	Disale Pranay	Disale

  
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SB 01	/Deshpande Samruddhi Rajendra		SB 29	Mulani Aman Allauddin	
SB 02	/EkatpurePreranaShrirang		SB 30	NagtilakHarshal Rajendra	
SB 03	/LaleArati Gajanan		SB 31	NanawareJaydev Dipak	
SB 04	/Mane Snehal Digambar		SB 33	Parmar Ridham Girish	
SB 05	/More Vaishali Dilip		SB 34	Patil Madan Kalyan	
SB 06	/SonawaneDhanashree Bharat		SB 35	Patil Santosh Hanamant	
SB 07	Vidhate Rohit Dattatraya		SB 36	Patil Yogesh Kumar	
SB 08	Wadekar Saurabh Ganesh		SB 37	Pawar Omkar Santosh	
SB 10	Bansode Aniket Annaso		SB 38	Pawar Shubham Uttam	
SB 11	Bapat Vinayak Vishnu		SB 39	Rai Hrishav Raj	
SB 12	Bhosale Hritik Ramesh		SB 40	Rohit Dattatry Chatage	
SB 13	Bhosale Vaibhav Rajendra		SB 41	Yasar Yusuf Khatik	
SB 14	Deshmukh Pratik Pravin		SB 42	SarakKashilingKalidas	
SB 15	Dhotre Sourabh Sanjay		SB 43	Saravale Aniket Rajkumar	
SB 16	Dixit Manthan Milind		SB 44	Shaikh Aftab Bashir	
SB 17	Gaikwad Abhinay Rajendra		SB 45	Shaikh Salim Husen	
SB 18	Gavali Suraj Rajendra		SB 46	Shinde Dipak Pandurang	
SB 19	Waghmode Chetan		SB 47	Shinde NanasahebSiddheshwar	
SB 20	WaghmodeDhondiram Madhu		SB 48	Shinde Vishwajit Ashok	
SB 21	Kadam Nilesh Sanjay		SB 49	ShitoleDnyaneshawar Ganpat	
SB 22	Khote Abhijeet Sunil		SB50	Ubale Harshvardhan Sudhir	
SB 23	Kulkarni Atharv Makarand		SB51	Taur Mohit Nagesh	
SB 24	Londhe Vaibhav Anil		SB52	KengarSachinUttam	
SB 25	MadaneAvinashAjinath		SB 53	Langote Krishna S.	
SB 26	Mali Amol Vijay				
SB 27	Mashalkar Omkar Basavraj				
SB 28	Metkari Om Damodar				

(Prof. C. C. Jadhav)  
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**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**A.Y. 2019-20**

**CLASS: S. Y. B. Tech. (MECH) DIV: B**

**Attendance for Industrial Visit to Kedar Foundry, Palus**

**Date:- 19/09/2019**

Roll No.	Name of Student	Sign.	Roll No.	Name of Student	Sign.
SB 01	/Deshpande Samruddhi Rajendra		SB 29	Mulani Aman Allauddin	
SB 02	/EkatpurePreranaShrirang		SB 30	NagtilakHarshal Rajendra	
SB 03	/LaleArati Gajanan		SB 31	NanawareJaydev Dipak	
SB 04	/Mane Snehal Digambar		SB 33	Parmar Ridham Girish	
SB 05	/More Vaishali Dilip		SB 34	Patil Madan Kalyan	
SB 06	/SonawaneDhanashree Bharat		SB 35	Patil Santosh Hanamant	
SB 07	Vidhate Rohit Dattatraya		SB 36	Patil Yogesh Kumar	
SB 08	Wadekar Saurabh Ganesh		SB 37	Pawar Omkar Santosh	
SB 10	Bansode Aniket Annaso		SB 38	Pawar Shubham Uttam	
SB 11	Bapat Vinayak Vishnu		SB 39	Rai Hrishav Raj	
SB 12	Bhosale Hritik Ramesh		SB 40	Rohit Dattatry Chatage	
SB 13	Bhosale Vaibhav Rajendra		SB 41	Yasar Yusuf Khatik	
SB 14	Deshmukh Pratik Pravin		SB 42	Sarak Kashiling Kalidas	
SB 15	Dhotre Sourabh Sanjay		SB 43	Saravale Aniket Rajkumar	
SB 16	Dixit Manthan Milind		SB 44	Shaikh Aftab Bashir	
SB 17	Gaikwad Abhinav Rajendra		SB 45	Shaikh Salim Husen	
SB 18	Gavali Suraj Rajendra		SB 46	Shinde Dipak Pandurang	
SB 19	Waghmode Chetan		SB 47	Shinde Nanasaheb Siddheshwar	
SB 20	Waghmode Dhondiram Madhu		SB 48	Shinde Vishwajit Ashok	
SB 21	Kadam Nilesh Sanjay		SB 49	Shitole Dnyaneshawar Ganpat	
SB 22	Khote Abhijeet Sunil		SB50	Ubale Harshvardhan Sudhir	
SB 23	Kulkarni Atharv Makarand		SB51	Taur Mohit Nagesh	
SB 24	Londhe Vaibhav Anil		SB52	Kengar Sachin Uttam	
SB 25	Madane Avinash Ajinath		SB 53	Langote Krishna S.	
SB 26	Mali Amol Vijay				
SB 27	Mashalkar Omkar Basavraj				
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**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**A.Y. 2019-20**

**CLASS: S. Y. B. Tech. (MECH) DIV: B**  
**Attendance for Industrial Visit to Rocket Engine, Shirol MIDC, Kolhapur**  
**Date:- 20/09/2019**

Roll No.	Name of Student	Sign.	Roll No.	Name of Student	Sign.
SB 01	/Deshpande Samruddhi Rajendra		SB 29	Mulani Aman Allauddin	
SB 02	/EkatpurePreranaShrirang		SB 30	NagtilakHarshal Rajendra	
SB 03	/LaleArati Gajanan		SB 31	NanawareJaydev Dipak	
SB 04	/Mane Snehal Digambar		SB 33	Parmar Ridham Girish	
SB 05	/More Vaishali Dilip		SB 34	Patil Madan Kalyan	
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SB 07	Vidhate Rohit Dattatraya		SB 36	Patil Yogesh Kumar	
SB 08	Wadekar Saurabh Ganesh		SB 37	Pawar Omkar Santosh	
SB 10	Bansode Aniket Annaso		SB 38	Pawar Shubham Uttam	
SB 11	Bapat Vinayak Vishnu		SB 39	Rai Hrishav Raj	
SB 12	Bhosale Hritik Ramesh		SB 40	Rohit DattatryChatage	
SB 13	Bhosale Vaibhav Rajendra		SB 41	Yasar Yusuf Khatik	
SB 14	Deshmukh Pratik Pravin		SB 42	SarakKashilingKalidas	
SB 15	Dhotre Sourabh Sanjay		SB 43	Saravale Aniket Rajkumar	
SB 16	Dixit Manthan Milind		SB 44	Shaikh Aftab Bashir	
SB 17	Gaikwad Abhinay Rajendra		SB 45	Shaikh Salim Husen	
SB 18	Gavali Suraj Rajendra		SB 46	Shinde Dipak Pandurang	
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SB 21	Kadam Nilesh Sanjay		SB 49	ShitoleDnyaneshawr Ganpat	
SB 22	Khote Abhijeet Sunil		SB50	Ubale Harshvardhan Sudhir	
SB 23	Kulkarni Atharv Makarand		SB51	Taur Mohit Nagesh	
SB 24	Londhe Vaibhav Anil		SB52	KengarSachinUttam	
SB 25	MadaneAvinashAjinath		SB 53	Langote Krishna S.	
SB 26	Mali Amol Vijay				
SB 27	Mashalkar Omkar Basavraj				
SB 28	Metkari Om Damodar				

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**DEPARTMENT OF MECHANICAL ENGINEERING**

**A.Y. 2019-20**

**CLASS: S. Y. B. Tech. (MECH) DIV: C**

**Attendance for Industrial Visit to Sadamate Forging, Palus**

**Date:- 19/09/2019**

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
SC 03	AJGAR AKASH PRASAD		SC 28	RONGE VIVEK DASHRATH	
SC 04	AUTADE YOGESH SAMRUT		SC 29	SADUL SUNIL AMBADAS	
SC 06	BHANDARE PRANAV MILIND		SC 30	SHAIKH MD AAZAM EJAZ AHMED	
SC 07	DHABADE AVINASH BASAVRAJ		SC 31	SHIKALGAR SOHEL HUMAYUN	
SC 09	EAKAMALLI NITIN TATYA		SC 32	SOMADALE PRAVIN DILIP	
SC 10	GAIKWAD SAURABH SHAHAJI		SC 33	THORAT SHASHIKANT DADARAO	
SC 11	GANGTHADE VISHAL ANKUSH		SC 36	WAYKAR VALLABH TRIMBAK	
SC 12	JADHAV SUSHANT BHAUSAHEB		SC 37	PATIL OMKAR SANJAY	
SC 13	JAGTAP OMKAR CHANDRAKANT				
SC 14	KOLI AKASH REVAPPA				
SC 15	LAVATE DASHRATH PANDURANG				
SC 16	LONDHE AVINASH SANDIPAN				
SC 17	MANE AKASH SAMBHAJI				
SC 18	MANE-DESHMUKH SAMARTH BABRUVARAN				
SC 19	MOHAMMAD SAJID KHAN				
SC 20	MUJAWAR NIHAL YUSUF				
SC 21	MULANI IRFAN RASHID				
SC 22	MUSALE PRAJWAL DATTATRAYA				
SC 23	NAGARGOJE RAMBAJEE RAMCHANDRA				
SC 24	PADAGE PRITAM BALAJI				
SC 25	PARAS MAHAVIR MULE				
SC 26	PAWAR SHAILESH MAHADEV				

**(Prof. P. K. Patil)**  
Class Coordinator


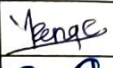



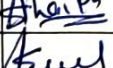



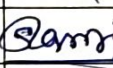

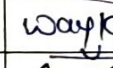

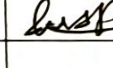
















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SC 04	AUTADE YOGESH SAMRUT		SC 29	SADUL SUNIL AMBADAS	
SC 06	BHANDARE PRANAV MILIND		SC 30	SHAIKH MD AAZAM EJAZ AHMED	
SC 07	DHABADE AVINASH BASAVRAJ		SC 31	SHIKALGAR SOHEL HUMAYUN	
SC 09	EAKAMALLI NITIN TATYA		SC 32	SOMADALE PRAVIN DILIP	
SC 10	GAIKWAD SAURABH SHAHAJI		SC 33	THORAT SHASHIKANT DADARAO	
SC 11	GANGTHADE VISHAL ANKUSH		SC 36	WAYKAR VALLABH TRIMBAK	
SC 12	JADHAV SUSHANT BHAUSAHEB		SC 37	PATIL OMKAR SANJAY	
SC 13	JAGTAP OMKAR CHANDRAKANT				
SC 14	KOLI AKASH REVAPPA				
SC 15	LAVATE DASHRATH PANDURANG				
SC 16	LONDHE AVINASH SANDIPAN				
SC 17	MANE AKASH SAMBHAJI				
SC 18	MANE-DESHMUKH SAMARTH BABRUVAHAN				
SC 19	MOHAMMAD SAJID KHAN				
SC 20	MUJAWAR NIHAL YUSUF				
SC 21	MULANI IRFAN RASHID				
SC 22	MUSALE PRAJWAL DATTATRAYA				
SC 23	NAGARGOJE RAMBAJEE RAMCHANDRA				
SC 24	PADAGE PRITAM BALAJI				
SC 25	PARAS MAHAVIR MULE				
SC 26	PAWAR SHAILESH MAHADEV				

  
**(Prof. P. K. Patil)**  
 Class Coordinator

  
**(Dr. S. A. Sonawane)**  
 Head, Mech. Engg. Dept.  
**HEAD,**  
 Dept. of Mechanical Engg  
 C.O.E. Pandharpur.

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**A.Y. 2019-20**  
**CLASS: S. Y. B. Tech. (MECH) DIV: A**  
**Attendance for Industrial Visit to Kedar Foundry, Palus**

Date:- 19/09/2019

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
SC 03	AJGAR AKASH PRASAD		SC 28	RONGE VIVEK DASHRATH	
SC 04	AUTADE YOGESH SAMRUT		SC 29	SADUL SUNIL AMBADAS	
SC 06	BHANDARE PRANAV MILIND		SC 30	SHAIKH MD AAZAM EJAZ AHMED	
SC 07	DHABADE AVINASH BASAVRAJ		SC 31	SHIKALGAR SOHEL HUMAYUN	
SC 09	EAKAMALLI NITIN TATYA		SC 32	SOMADALE PRAVIN DILIP	
SC 10	GAIKWAD SAURABH SHAHAJI		SC 33	THORAT SHASHIKANT DADARAO	
SC 11	GANGTHADE VISHAL ANKUSH		SC 36	WAYKAR VALLABH TRIMBAK	
SC 12	JADHAV SUSHANT BHAUSAHEB		SC 37	PATIL OMKAR SANJAY	
SC 13	JAGTAP OMKAR CHANDRAKANT				
SC 14	KOLI AKASH REVAPPA				
SC 15	LAVATE DASHRATH PANDURANG				
SC 16	LONDHE AVINASH SANDIPAN				
SC 17	MANE AKASH SAMBHAJI				
SC 18	MANE-DESHMUKH SAMARTH BABRUVAHAN				
SC 19	MOHAMMAD SAJID KHAN				
SC 20	MUJAWAR NIHAL YUSUF				
SC 21	MULANI IRFAN RASHID				
SC 22	MUSALE PRAJWAL DATTATRAYA				
SC 23	NAGARGOJE RAMBHAJEE RAMCHANDRA				
SC 24	PADAGE PRITAM BALAJI				
SC 25	PARAS MAHAVIR MULE				
SC 26	PAWAR SHAILESH MAHADEV				

**(Prof. P. K. Patil)**  
 Class Coordinator

**(Dr. S. A. Sonawane)**  
 Head, Mech. Engg. Dept.  
**HEAD,**  
 Dept. of Mechanical Engg  
 C.O.E. Pandharpur.

## Industrial Visit Report

Date: 28/09/2019

To,  
The Principal,  
College of Engineering,  
Pandharpur.  
Subject: Report of industrial visit  
Respected sir,

As per the curriculum laid by Solapur university, Solapur for S.Y.B.Tech Mechanical Engineering Part-I, Manufacturing Process Subject include industrial visit in this regard 131 students along with 08 faculty member visited,

- 1) Kedar Foundry Pvt.Ltd.Palus MIDC, Palus
- 2) Sadamate Forging Pvt.Ltd Palus MIDC, Palus

On 19<sup>th</sup> Sept. 2019. During visit, we had seen various foundry processes and its significance also we have seen different forging operations. From this industrial visit student got practical exposure to foundry and forging operations and they got satisfied with the visit.

This is for your kind information and needful action.

Thanking you

  
(Prof. B.D. Gaikwad )

MP Subject Teacher

S.Y.B.Tech (Mech) Div. A and B

  
(/Prof. P.K. Patil)

MP Subject Teacher

S.Y.B.Tech (Mech) Div. C

  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.

## Industrial Visit Report

Date: 28/09/2019

To,  
The Principal,  
College of Engineering,  
Pandharpur.  
Subject: Report of industrial visit  
Respected sir,

As per the curriculum laid by Solapur university, Solapur for S.Y.B.Tech Mechanical Engineering Part-I, Internal combustion Engines Subject include industrial visit in this regard 131 students along with 08 faculty member visited Rocket Engineering Ltd. Kolhapur on 20<sup>th</sup> Sept. 2019. During visit we had seen assembly of diesel Engines. Also we had seen performance measurement procedure of diesel engine. From this industrial visit student got practical knowledge about assembly of diesel engines they got satisfied with the visit.

This is for your kind information and needful action.

Thanking you

  
(Prof. S.S. Jadhav)

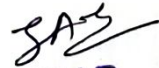
ICE Subject Teacher






S.Y.B.Tech (Mech) Div. A and B

  
(Prof. V.G. Kalebag)

ICE Subject Teacher

S.Y.B.Tech (Mech) Div. C

  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.


 **श्री कदार मेटल फाउंड्री**  
 **IBR Approved**  
 **RDISO**  
 **TWQ**  
 **IAF**

INDIAN RAILWAYS RDSO APPROVED CLASS 'A' FOUNDRY

**SHREE KEDAR METAL FOUNDRIES**

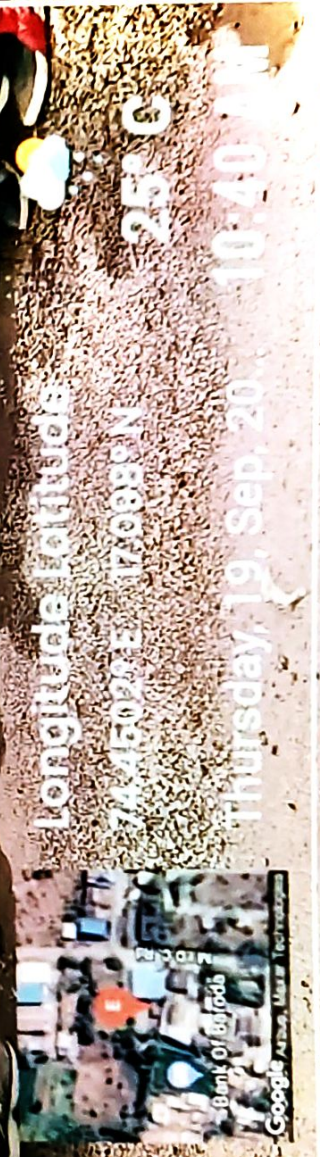
**PALUS**

Manufacturer & Supplier of Graded Steel Castings & Machined Components

 **Kedar**



**Sangli, Maharashtra, India**



Longitude Longitude  
74.4502° E 17.088° N  
Thursday, 19. Sep. 20, 10:40 AM  
25.0 C



Palus, Maharashtra, India



Longitude Latitude

74°44'56"E 17°07'N

23°C

Thursday, 19 Sep 20 01:15 PM



INDIAN RAILWAYS RDSO APPROVED CLASS 'A' FOUNDRY

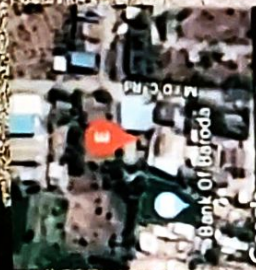
# SHREE KEDAR METAL FOUNDRIES

## PALUS

Manufacturer & Supplier of Graded Steel Castings & Machined Components



Sangli, Maharashtra, India



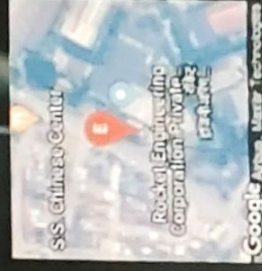
Longitude Latitude  
14.50326, 73.90047

25° C

Thursday, 19 Sep, 20...

10:39 AM

# Kolhapur, Maharashtra, India



Longitude Latitude

74.272° E 16.7715° N



26° C

12:03 PM

Friday, 20, Sep, 2019

# Certificate Course

**Department of Mechanical  
Engineering**

**A.Y.: 2019-2020 SEM-I**

**TATA DRE Program**

**Planned Date**

**Conducted Date**

**First week of Aug. 2019 to  
Last week of Nov. 2019**

**First week of Aug. 2019 to  
Last week of Nov. 2019**

**SVERI's  
College of Engineering, Pandharpur  
Mechanical Engineering Department**

**Certificate Course  
on  
TATA Distance Ready Engineer  
(DRE)**

**Duration-Aug. 2019 to Nov. 2019**

**Class: T.E.      Div:-A & B**

**Sem-I  
A.Y.: 2019-20**



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

## COLLEGE OF ENGINEERING, PANDHARPUR

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

(Approved by A.I.C.T.E., New Delhi and affiliated to P. A. H. Solapur University, Solapur)

NBA Accredited all Eligible UG Programmes and , NAAC, Accredited Institute,

Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



ISO 9001:2015



### REPORT

The Department of Mechanical Engineering conducted a **Certificate course on TATA Distance Ready Engineer (DRE) from Aug 2019 to Nov. 2019**. The resource person for this certificate course was Mr. D. T. Kashid from SVERI's COE, Pandharpur. In this certificate course the student got the detail knowledge about new trends and techniques in *Mechanical Engineering CATIA V5 R18 with hands on practical* and which are the new tools plans available in upcoming days for the Mechanical Engineer in the field of Mechanical Design and Modeling. Domestic and industrial applications of *CATIA V5 R18 with practical* on Mechanical Automotive parts have been covered in this certificate course. **Total 75 students of T. E. Mechanical participated in this certificate course**. All the faculty members from Mechanical department worked actively for the successful completion of certificate course.

**The Course outcomes for this course are:**

- 1) Student got the knowledge about which are the new opportunity available for job in Mechanical Engg. Sector.
- 2) Student understood the application of *TATA Distance Ready Engineer (DRE)*.

Mr. C. C. Jadhav  
Coordinator

Dr. S. A. Sonawane  
Head, Mech. Engg. Dept.  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE's

## COLLEGE OF ENGINEERING, PANDHARPUR

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

(Approved by A.I.C.T.E., New Delhi and affiliated to P. A. H. Solapur University, Solapur)

NBA Accredited all Eligible UG Programmes and , NAAC, Accredited Institute,

Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



### Department of Mechanical Engineering

Ref.No: COEPR/MECH/2019-20/12

Date: 03/08/2019

To,  
Prof. D. T. Kashid  
SVERI's COE,  
MECH Department,  
Pandharpur.


**Subject: About syllabus setting for Certificate Course on TATA DRE**


Respected Sir,

You are requested to design syllabus for TE MECH class for Certificate course on TATA DRE. Submit syllabus copy to program coordinator Prof. C. C. Jadhav on or before 04/08/2019.

Take note of this and act accordingly.

Thanking you,

  
(Prof. C. C. Jadhav)  
Program Coordinator


  
(Dr. S. A. Sonawane)  
Head, Mechanical Engg.  
**HEAD,**  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.


certificate course on  
TATA DRE  
A.Y. 2019-20

## Syllabus

### PART 1: Fundamentals of Automobile Design

Session No.	Name of the Topic	Sub-Topics
I	Introduction to CATIA V5, iGET IT & Sketcher	1. Sketcher Overview, Toolbars 2. Sketch Creation 3. Sketch Constraining 4. Sketch Analysis 5. Basic Catia Overview(Software)
II	Part Design 1 (CATIA)	1. Sketch Based Features, Dress Up Features 2. Hole and Thread Creation, Pattern 3. Basic Reference - Plane Point, Line Creation 4. Apply material, Measure Tool 5. Practice Example
III	Part Design 2 and GSD 1 (CATIA)	1. Editing Features 2. Parametric Modelling 3. Transformation Features 5. Practice Example 4. Basic Overview of Surfacing Workbench
IV	GSD 2 (CATIA)	1. Revolved Surfaces, Offset Surfaces 2. Swept Surfaces 3. Fill Surface, Multi-section Surfaces 4. Split, Trim and Join 5. Practice Example

  
(Prof. C. C. Jadhav)  
Program Coordinator


  
(Prof. S. A. Sonawane)  
Head, Mech. Engg. Dept.  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.


Certificate course on  
TATA DRE  
A.Y. 2019-20

**Syllabus**

**PART 1: Fundamentals of Automobile Design**

Session No.	Name of the Topic	Sub-Topics
V	Assembly and Drafting (CATIA)	1. Assembly Overview 2. Top Down Approach 3. Bottom Up Approach 4. Editing Assembly
VI	Drafting (CATIA)	1. Drawing Overview 2. Generating Drawing Views 3. Part Level Drawing 4. Assembly Level Drawing 5. Annotations and Measurement
VII	Basics of Product Design and Styling	1. Introduction to Design 2. Typical Product Life Cycle 3. Automotive Design Process for Production Release 4. CAS Surfaces from Digital Clay Models
VIII	CAE Considerations	1. What is Computer Aided Engineering (CAE) 2. Finite Element Analysis (FEA) 3. NVH, Dura, Crash, Occupant Safety, CFD 4. Difference between implicit and explicit solvers 5. Pre-post and Solvers and types of solvers

  
(Prof. C. C. Jadhav)  
Program Coordinator

  
(Prof. S. A. Sonawane)  
Head, Mech. Engg. Dept.  
HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur.

certificate course on


TATA D&E


A.Y. 2019-20

## Syllabus

### PART 1: Fundamentals of Automobile Design

Session No.	Name of the Topic	Sub-Topics
IX	Formability	1. Simultaneous Engg. feasibility study 2. Sheet metal processes 3. Types of drawdies 4. Forming simulations 5. Various Material properties 6. Forming Limit Curve (FLD)
X	Die Design	1. Sheet Metal parts and their operation 2. Presses 3. Various elements used in die design 4. Process of die design 5. Functions of the elements required for each die
XI	Fixture Design	1. Correlation of types of joints for Fixture Design 2. Joining processes and their Applications Overview 3. Need Of Fixtures & Type Of Fixtures 4. Use of product GD&T in the Fixture design

  
(Prof. C. C. Jadhav)  
Program Coordinator


  
(Prof. S. A. Sonawane)  
Head, Mech. Engg. Dept.


HEAD,  
Dept. of Mechanical Engg  
C. O. E. Pandharpur.

**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**A.Y.: 2019-20 SEM: I**

**List of Students Enrolled for**  
**Certificate Course on TATA Distance Ready Engineer (DRE)**  
**Duration: Aug. 2019 to Nov. 2019**  
**CLASS: T.E. (MECH) DIV: A & B**

Sr. No.	RE E No.	First Name	Last Name	Username
1	19200801	Muskan	Attar	muskanmattar@coep.sveri.ac.in
2	19200802	Pornima	Nikate	pornimamnicate@coep.sveri.ac.in
3	19200803	Pranil	Nagras	pranilpnagras@coep.sveri.ac.in
4	19200804	Rohit	Adalinge	rohitcadalinge@coep.sveri.ac.in
5	19200805	Akash	Valsange	akashsvalsange@coep.sveri.ac.in
6	19200806	Dayanand	Pawar	dayanandypawar@coep.sveri.ac.in
7	19200807	Gaurav	Tuljapurkar	gauravjtuljapurkar@coep.sveri.ac.in
8	19200808	Pavan	Parkam	pavansparkam@coep.sveri.ac.in
9	19200809	Swamisamarth	shrigadi	swamisamarthvshrigadi@coep.sveri.ac.in
10	19200810	Akshay	Takale	akshayatakale@coep.sveri.ac.in
11	19200811	Mahesh	Shinde	maheshvshinde@coep.sveri.ac.in
12	19200812	Arbaj	Tamboli	arbajtamboli@coep.sveri.ac.in
13	19200813	Rushikesh	Jadhav	rushikeshkjadhav@coep.sveri.ac.in
14	19200814	Shubham	Raut	shubhamaraut@coep.sveri.ac.in
15	19200815	Suraj	Gaikwad	surajtgaikwad@coep.sveri.ac.in
16	19200816	Vasudev	Kodag	Vasudevdkodag@coep.sveri.ac.in
17	19200817	Prasad	Magi	prasaddmagi@coep.sveri.ac.in
18	19200818	Samadhan	Masal	samadhanmasal@coep.sveri.ac.in
19	19200819	Aniket	Pawar	aniketspawar@coep.sveri.ac.in
20	19200820	Rahul	Jundale	rahulrjundale@coep.sveri.ac.in
21	19200821	Amol	Nagane	amolmnagane@coep.sveri.ac.in
22	19200822	swapnil	Tadmare	swapnilstadmare@coep.sveri.ac.in
23	19200823	Sonali	Chavan	sonaliuchavan@coep.sveri.ac.in
24	19200824	Gauri	Gore	gaurigore@coep.sveri.ac.in
25	19200825	Manasi	Bhumkar	manasidbhumkar@coep.sveri.ac.in
26	19200826	Anjali	Gavali	anjaliPgavali@coep.sveri.ac.in
27	19200827	Mansi	Ghogale	mansisghogale@coep.sveri.ac.in
28	19200828	Shubhada	Mhetre	shubhadasmhetre@coep.sveri.ac.in
29	19200829	Nikita	Deomare	nikitandeomare@coep.sveri.ac.in
30	19200830	Chandrapra	Ashture	chandraprabhashture@coep.sveri.ac.in
31	19200831	Suraj	Chavan	surajbchavan@coep.sveri.ac.in
32	19200832	Pradip	Sathe	pradipssathe@coep.sveri.ac.in
33	19200833	Harshal	Wasnik	harshalpwasnik@coep.sveri.ac.in
34	19200834	Vijas	Shaikh	vijasjshaikh@coep.sveri.ac.in
35	19200835	Rushikesh	Dandwate	rushikeshpdandwate@coep.sveri.ac.in
36	19200836	Rohan	Kale	rohanskale@coep.sveri.ac.in
37	19200837	Prem	Thite	premgthite@coep.sveri.ac.in
38	19200838	Sachin	Devkate	sachinkdevkate@coep.sveri.ac.in

  
 (Prof. C. C. Jadhav)  
**Program Co-ordinator**


  
 (Dr. S. A. Sonawane)  
**Head, Mech. Engrg. Dept.**  
**Dept. of Mechanical Engrg**  
**C.O.E. Pandharpur.**


**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**A.Y.: 2019-20 SEM: I**

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**Certificate Course on TATA Distance Ready Engineer (DRE)**  
**Duration: Aug. 2019 to Nov. 2019**  
**CLASS: T.E. (MECH) DIV: A & B**

Sr. No.	RE E No.	First Name	Last Name	Username
39	19200839	Shrirang	Atre	shrirangratre@coep.sveri.ac.in
40	19200840	Sunil	Sonar	sunilrsonar@coep.sveri.ac.in
41	19200841	Shubham	Kale	shubhammkale@coep.sveri.ac.in
42	19200842	Siddheshwa	Khapale	siddheshwarqkhapale@coep.sveri.ac.in
43	19200843	Mudaser	Bagwan	mudasermbagwan@coep.sveri.ac.in
44	19200844	Anna	Sirsat	annaysirsat@coep.sveri.ac.in
45	19200845	Rohan	Gandule	rohanrgandule@coep.sveri.ac.in
46	19200846	Shahid	Mulani	shahidmmulani@coep.sveri.ac.in
47	19200847	Ganesh	Patil	ganeshbpatil@coep.sveri.ac.in
48	19200848	Vaibhav	Rode	vaibhavbrode@coep.sveri.ac.in
49	19200849	Juned	Shaikh	junedrshaikh@coep.sveri.ac.in
50	19200850	Swapnil	Gaikwad	swapnilrgaikwad@coep.sveri.ac.in
51	19200851	Pratikesh	Kumbhar	pratikeshpkumbhar@coep.sveri.ac.in
52	19200852	Vikas	Dhumal	vikasvdhumal@coep.sveri.ac.in
53	19200853	Rushikesh	Vibhute	rushikeshnvibhute@coep.sveri.ac.in
54	19200854	Saurabh	Shinde	saurabhmshinde@coep.sveri.ac.in
55	19200855	Omkar	Gore	omkarrgore@coep.sveri.ac.in
56	19200856	Rutvik	Tate	rutvikbtate@coep.sveri.ac.in
57	19200857	Dada	Gosavi	dadapgosavi@coep.sveri.ac.in
58	19200858	Pruthviraj	Pawar	prithvirajdpawar@coep.sveri.ac.in
59	19200859	Rajkumar	Shinde	rajkumarnshinde@coep.sveri.ac.in
60	19200860	Rohan	Honkande	rohanrhonkande@coep.sveri.ac.in
61	19200861	Pawansing	Gahirwar	pawansingkgahirwar@coep.sveri.ac.in
62	19200862	Ajinkya	Jadhav	ajinkyaajadhav@coep.sveri.ac.in
63	19200863	Bhushanku	Thakare	bhushankumardthakare@coep.sveri.ac.in
64	19200864	Akshay	Nayaku	akshaylnayaku@coep.sveri.ac.in
65	19200865	Dipak	Waghmare	dipakswaghmare@coep.sveri.ac.in
66	19200866	Yogeshwar	Devkate	yogeshwaradevkate@coep.sveri.ac.in
67	19200867	Aftab	Mulani	aftabimulani@coep.sveri.ac.in
68	19200868	Samadhan	Shejal	samadhannshejal@coep.sveri.ac.in
69	19200869	Mayur	Pavase	mayurspavase@coep.sveri.ac.in
70	19200870	Nishklank	Sapkal	nishklankzsapkal@coep.sveri.ac.in
71	19200871	Ganesh	Chidrewar	ganeshpchidrewar@coep.sveri.ac.in
72	19200872	shubham	Sathe	shubhamsathe@coep.sveri.ac.in
73	19200873	Abhishek	Shinde	abhisheakashinde@coep.sveri.ac.in
74	19200874	Nihal	Shaikh	nihalnshaikh@coep.sveri.ac.in
75	19200875	Pranoti	Bhosale	pranotirbhosale@coep.sveri.ac.in

  
(Prof. C. C. Jadhav)  
**Program Co-ordinator**

  
(Dr. S. A. Sonawane)  
**Head, Mech.Engg. Dept**  
**HEAD,**  
**Dept. of Mechanical Engg**  
**C.O.E. Pandharpur.**



# CERTIFICATE

This is to certify that

**Muskan Muktar Attar**

from Shri Vithal Education & Research Institute, Solapur has undergone the **Ready Engineer** Program of Tata Technologies in the year 2019-20 covering fundamentals of Automobile Engineering Design, Analysis & Manufacturing with hands-on training on CATIA and is awarded

**as a Certified Ready Engineer- / a Certificate of Participation**

(Note: Certified Ready Engineer > 60% score; Certificate of Participation 40-59% score)



A handwritten signature in black ink.

Mr. Vikrant Gandhe

Head – Corporate Sustainability & Company Secretary  
Tata Technologies Limited



# CERTIFICATE

This is to certify that

**Mayur Santosh Pavase**

from Shri Vithal Education & Research Institute, Solapur has undergone the *Ready Engineer* Program of Tata Technologies in the year 2019-20 covering fundamentals of Automobile Engineering Design, Analysis & Manufacturing with hands-on training on CATIA and is awarded

as a Certified Ready Engineer / a Certificate of Participation

(Note: Certified Ready Engineer > 60% score; Certificate of Participation 40-59% score)

A handwritten signature in black ink, appearing to read 'Vikrant Gandhe'.

Mr. Vikrant Gandhe  
Head – Corporate Sustainability & Company Secretary  
Tata Technologies Limited

TTL/RE/SVERI/B5/19-20/ P20





# CERTIFICATE

This is to certify that

**Manasi Dinesh Bhumkar**

from Shri Vithal Education & Research Institute, Solapur has undergone the **Ready Engineer** Program of Tata Technologies in the year 2019-20 covering fundamentals of Automobile Engineering Design, Analysis & Manufacturing with hands-on training on CATIA and is awarded

as-a-Certified Ready-Engineer- / a Certificate of Participation

(Note: Certified Ready Engineer > 60% score; Certificate of Participation 40-59% score)

A handwritten signature in black ink, appearing to read 'Vikrant Gandhe'.

Mr. Vikrant Gandhe

Head – Corporate Sustainability & Company Secretary  
Tata Technologies Limited





# CERTIFICATE

This is to certify that

**Juned Ramjan Shaikh**

from Shri Vithal Education & Research Institute, Solapur has undergone the *Ready Engineer* Program of Tata Technologies in the year 2019-20 covering fundamentals of Automobile Engineering Design, Analysis & Manufacturing with hands-on training on CATIA and is awarded

as a ~~Certified Ready Engineer~~ / a **Certificate of Participation**

(Note: Certified Ready Engineer > 60% score; Certificate of Participation 40-59% score)



Mr. Vikrant Gandhe  
Head – Corporate Sustainability & Company Secretary  
Tata Technologies Limited



# CERTIFICATE

This is to certify that

**Gauri Ramchandra Gore**

from Shri Vithal Education & Research Institute, Solapur has undergone the *Ready Engineer* Program of Tata Technologies in the year 2019-20 covering fundamentals of Automobile Engineering Design, Analysis & Manufacturing with hands-on training on CATIA and is awarded

**as a Certified Ready Engineer / a Certificate of Participation**

(Note: Certified Ready Engineer > 60% score; Certificate of Participation 40-59% score)

A handwritten signature in black ink, appearing to read 'Vikrant Gandhe', is written over a horizontal line.

Mr. Vikrant Gandhe

Head – Corporate Sustainability & Company Secretary  
Tata Technologies Limited





# CERTIFICATE

This is to certify that

**Dipak Subhash Waghmare**

from Shri Vithal Education & Research Institute, Solapur has undergone the **Ready Engineer** Program of Tata Technologies in the year 2019-20 covering fundamentals of Automobile Engineering Design, Analysis & Manufacturing with hands-on training on CATIA and is awarded

as a **Certified Ready Engineer / a Certificate of Participation**

(Note: Certified Ready Engineer > 60% score; Certificate of Participation 40-59% score)

A handwritten signature in black ink, appearing to read 'Vikrant Gandhe', is positioned above a horizontal line.

Mr. Vikrant Gandhe  
Head – Corporate Sustainability & Company Secretary  
Tata Technologies Limited

