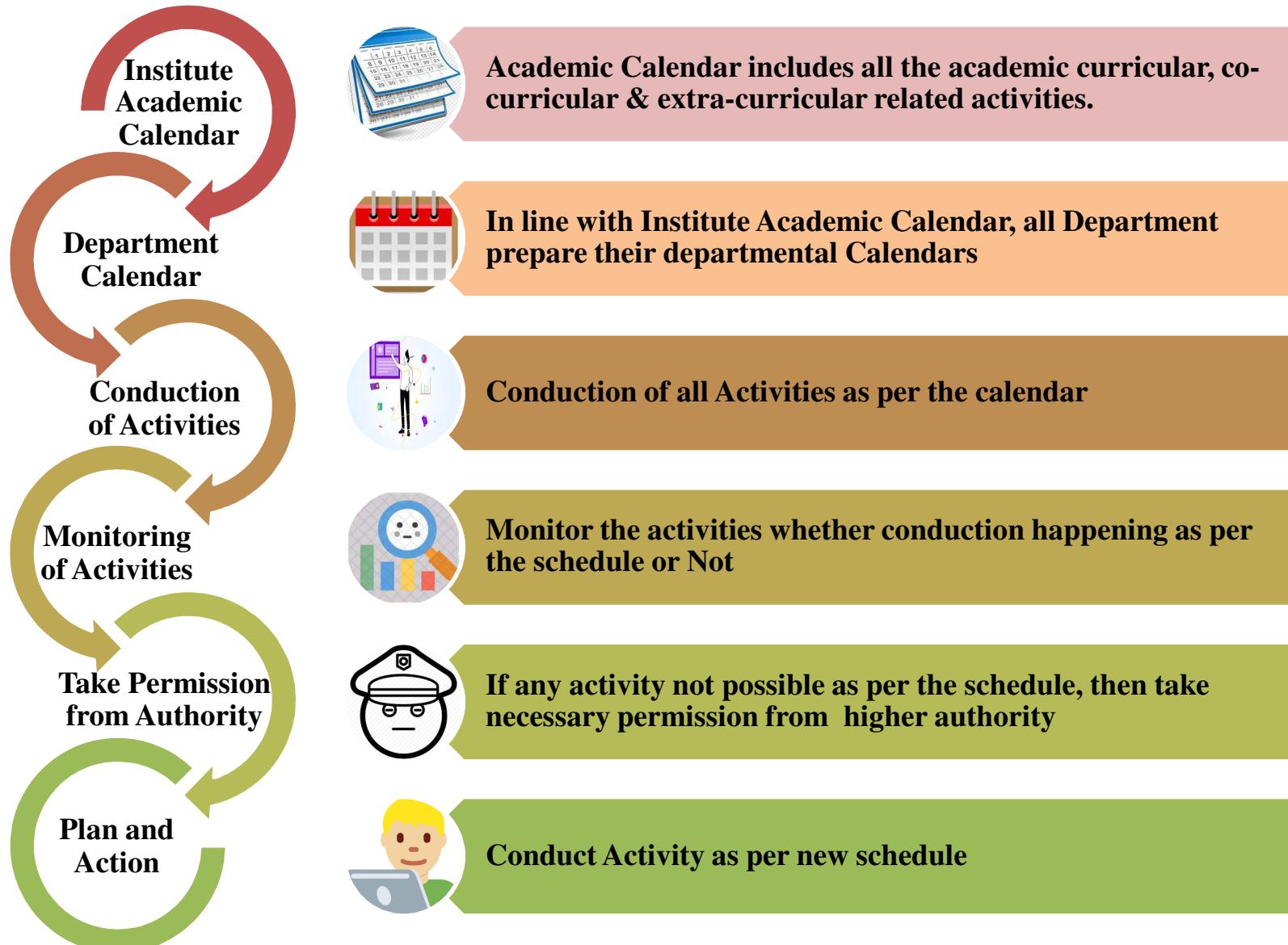


**1.1.2 The institution adheres to the academic calendar including for the conduct of CIE**

## 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**

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

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	PDARS	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 afterlast 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.to19 <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 & SVERIAN Quarterly Issue Release Day
5 <sup>th</sup> Oct.	DISC	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	Vijayadashami 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	Kartik 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.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	Chrismas -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	
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	
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			
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	
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		
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	
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		

Date	Symbol	Events
1 <sup>st</sup> Dec.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
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 8& 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-I/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-II/R	ISE- III (Result on 5th Day after last paper)
10 <sup>th</sup> Apr.	F19	Good Friday
12 <sup>th</sup> to16 <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 Purnima
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	GSM	In-Plant, Campus Recruitment,GATE Training
9 <sup>th</sup> June		General Meeting of Staff
15 <sup>th</sup> June	PDI/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	
							1	June 8: General Meeting of Staff
1	2	3	4	5	6	7	8	June 5: Ramjan Eid
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	
					1	2	3	August 1st week: start of TATA DRE Program
10	4	5	6	7	8	9	10	August 8 to 13: In-Semester Examination-I
11	11	12	13	14	15	16	17	August 12 : Bakari Eid
12	18	19	20	21	22	23	24	August 14 to 20: Mock Parliament & Mock Security Council
13	25	26	27	28	29	30	31	August 14 to 20: Lab Test
								August 15: MESA activity- Rakshabandhan at PALVI
Academic Days: 26								August 17: SVERI Foundation Day
Week	Sep-19							Particulars
	S	M	T	W	T	F	S	
							1	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: Mohharam
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	
					1	2	3	Oct. 2: MESA activity- No Private Vehicle Day
19	6	7	8	9	10	11	12	Oct. 13: End of Semester-I
20	13	14	15	16	17	18	19	Oct. 14 to 19: In-Semester Examination-III
21	20	21	22	23	24	25	26	Oct. 22 to 24: Lab Test
22	27	28	29	30	31			Oct. 24: Internal Oral and Term Work Submission/Display of
								Oct. 25 to 29: Dipavali Festival
Academic Days: 10								Oct. 31: Start of preparation and guidance session
Week	Nov-19							Particulars
	S	M	T	W	T	F	S	
							1	Nov 7 to 8: Kartiki Ekadashi
23	3	4	5	6	7	8	9	Nov 10: Eid-e- milad
24	10	11	12	13	14	15	16	Nov. 12: Guru Nanak Jayanti
25	17	18	19	20	21	22	23	Nov. 21 to 30: Tentative period for university exam
26	24	25	26	27	28	29	30	Nov. last week: End of TATA DRE Program
Week	Dec-19							Particulars
	S	M	T	W	T	F	S	
27	1	2	3	4	5	6	7	Dec. 16 to 21: STTP/Workshop for faculty members
28	8	9	10	11	12	13	14	Dec 22: General Meeting of Staff
29	15	16	17	18	19	20	21	Dec 25: Christmas- Natal
30	22	23	24	25	26	27	28	Dec 30 to 31: BEATS 2k2019
31	29	30	31					

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	
1				1	2	3	4	Jan 1 to April 5: Teaching Period
2	5	6	7	8	9	10	11	Jan 2: Commencement of Academic activities for SEM-II
3	12	13	14	15	16	17	18	Jan 19: MESA activity-MOCK parliament
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: Repulbic Dayand SVERI Quarterly issue
<b>Academic Days: 26</b>								
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
<b>Academic Days: 25</b>								
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
<b>Academic Days: 27</b>								
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
<b>Academic Days: 04</b>								
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							
<b>Week</b>								<b>Particulars</b>
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	
<b>Total Academic Days = 82</b>								<b>Total Academic Weeks = 14</b>



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)

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



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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

*8/8*

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>
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)



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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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

5/2  
HEAD,  
Dept. of Mechanical Engg.  
C.O.E. Pandharpur

Sr. No.	Class	Subject	Name of Question Paper Setter	Name of Reviewer
9	T.E.-A	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	T.E.-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	S.Y.B.Tech-A	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	S.Y.B.Tech-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

SAG  
 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.

*✓ 27/01/2020*  
(Prof. S. S. Jadhav)  
ISE Co-ordinator Mech. Engg. Dept.

*SAS*  
(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**

Day and Date:  
Time-

**Div: -**

**Marks -**  
**Duration-**

CO	CO STATEMENT	BLOOMS LEVEL	MAX. MARKS

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

.....*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.**



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.**

<b>Paper No.</b>	<b>Subject</b>	<b>Date</b>	<b>Time</b>
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.

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

*HEAD,  
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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.
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.

**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.

*✓ 21/02/20*

( Prof. S.S. Jadhav)

ISE Co-ordinator  
 Mechanical Engineering Dept.

*SAD*

( 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 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	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.	Optically, 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	CO 2 BL 3	1.4.1
Q. 3	Solve the following Questions. (Any Two)	12 M		
a)	Explain the Tardy's method with advantages.	06		
b)	Derive the expression for the light intensity seen through analyzer when the stressed model is kept in the dark field circular polariscope.	06		
c)	Differentiate between Plain and Circular Polariscope.	06		

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



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Date: 10/02/2020

**Department of Mechanical Engineering**  
**Question Paper Reviewing Report**

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

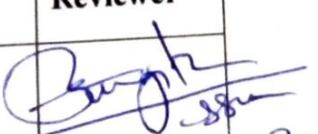
Test: ISE-I

Academic Year: 2019-20

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

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: OIC

  
(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 Polariscopic 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.	Optically, 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.	12 M	CO 2 BL 3	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.  $\rightarrow a, b \rightarrow 2m$

2.  $\rightarrow b \rightarrow 1m$

3.  $\rightarrow b \rightarrow 1m$

Q.2

a) Figure with Explanation — 4m

b) Fig - 1m

Derivation ( $r_1 - r_2 = \frac{N \cdot f_0}{h}$ ) — 3m.

Q.3

a) Figure - 1m

Explanation - 3m.

OR

Five differences - 4m.

b) Fig - 2m

Derivation ( $q_0$  to  $q_{13}$ ) — 6m.

Amplitude



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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					
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.



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Date- 08/02/2020

**NOTICE**

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					
2	Dr. S. A. Sonawane	✓	✓	✓	✓	✓	
3	Dr. A. A. Utpat	✓	✓	✓	✓	✓	
4	Dr. R. R. Gidde	✓	✓	✓	✓	✓	
5	Prof. S. R. Gavali	✓	✓	✓	✓	✓	

*W/8/2/2020*  
(Prof. S. S. Jadhav)

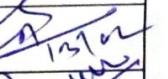
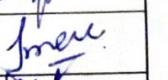
ISE Coordinator

*SAS*  
(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. Chavhan	
		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. N. 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. Kolebag	

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

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

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

A.Y. 2019-20 SEM-II

Department of Mechanical Engineering  
ISE-I  
Blockwise Absentee Report

Date : 15/02/2020

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	<i>Reut</i>
		BE B	BB 01-07, BB 08-37 = 37 PAD	08, 10, 18, 26, 31, 33 = 06 <i>8 13/02</i>	
2	518	TE A	TA 40 - 74 = 35 VRC	TA 49 = 01	<i>25</i>
		BE B	BB 38-72 = 35 DTK	40, 42, 57, 67 = 04	<i>✓</i>
3	519	TE B	TB 01-05, TB 06-35 = 35 CCS	— Nil —	<i>Jaww.</i>
		BE A	BA 01-05, BA 06-35 = 35 SNM	11, 13, 22, 28 = 04	<i>CM Abd</i>
4	520	TE B	TB 36 - 64 = 29 CKV	TB 36, TB 64 = 02	
		BE A, BE B	BA 36- 56=21, BB 73-81=09 VVK	A 49, 52, = 02, B — Nil —	

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

*SAR*  
(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

Block No. 517  
 Subject: ESA  
 Class & Division : TEA 01 to 39 = 39

ISE - I  
 Attendance Record

A. Y. 2019-20  
 Date: 13/02/2020

Name of Supervisor: B. D. Gaikwad  
 Time: 09 AM to 10: 30 AM

Sr. No.	Roll No.	Name of Student	Sign
1	TA-01	Manasi D. Bhumkar.	Manasi
2	TA-02	Chavan Sonali Umesh	Chavan
3	TA-03	Ghogale Mansi Sanjay.	Mansi
4	TA-04	Attar M. M	Attar
5	TA-05	Shubhada Shantanu Mhetre	Shubhada
6	TA-06	Garali Arjali Pandurang	Arjali
7	TA-07	Gauri Ramchandra Gore	Gauri
8	TA-08	Kothawale Shivani Sanjay	Kothawale
9			absent
10	TA-10	Apre Shrirang Rajendra	Apre
11	TA-11	Aidade Dashrath Melhukar	Aidade
12	TA-12	Bagwan M. M.	Bagwan
13	TA-13	Bandai Prathamesh M.	Bandai
14	TA-14	Bwide Akeyn Namadev	Bwide
15	TA-15	Chavan Sunaj Baban	Chavan
16	TA-16	Pandwate R. P.	Pandwate
17	TA-17	Deshmukhe Rushikesh Sanjay	Deshmukhe
18	TA-18	Devkate Srichin E. Iyer	Devkate
19	TA-19	Dentote Yogeshwar Anwind	Dentote
20	TA-20	Dhawale Nikay Mittal	Dhawale
21	TA-21	Gaiwar P. K	Gaiwar
22	TA-22	Gaiwardi Suresh Tejaji	Gaiwardi
23	TA-23	Gaiward Swapnil Rajendra	Gaiward
24	TA-24	Gundule Rohan Rajaram	Gundule
25	TA-25	Gunjale A. N	Gunjale
26	TA-26	Sathe S. B.	Sathe
27	TA-27	Ghadage Vaibhav Prabhakar	Ghadage
28	TA-28	Gudage Omkar Shanmujay	Gudage
29	TA-29	Gore O. R	Gore
30	TA-31	Grund O. S	Grund
31	TA-32	Hankandre Rohan Ramesh	Hankandre
32	TA-33	Jadhav Ajintra Ajun	Jadhav
33	TA-34	Jadhav Rushikesh Kalyan	Jadhav
34	TA-35	Mangnile Vedant D.	Mangnile
35	TA-36	Rahul Rajkumar Tantale	Rahul
36	TA-37	Kadam Shubham Jaimilind	Kadam
37	TA-38	Kakade Shubham Madhukar	Kakade
38	TA-39	Kale Rohan Suresh	Kale
39			absent
40			

Attendance Summary:

Total No. of Students: 39

No. of Present Students: 37

No. of Absent Students With Roll No.: 2

Supervisor Sign

B. D. Gaikwad

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

SEM-II

ISE - I  
 Attendance Record

A. Y. 2019-20  
 Date: 13/12/2020

Block No. 518  
 Subject: FSA

Class & Divison : TEA 40 to 74 = (35)

Name of Supervisor: Mr. V. R. Chawhan  
 Time: 09 AM to 10:30 AM

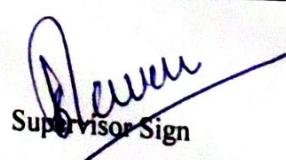
Sr. No.	Roll No.	Name of Student	Sign
1	40	Shubham malayhindha Tale	
2	41	Vaibhav Pandurang Kale	
3	42	Rinkay PatPat Kombiye	
4	43	Prajwal Sunil Kharade	
5	44	Khapale Siddheshwar Ganpat	
6	45	Khyati Amit Rajendra	
7	46	Karug Vaidev Dattatray	
8	47	Kali Charandas Appar	
9	48	Chaitanya Laxmitant Tulkarni	
10	49	Chaitanya Laxmitant Tulkarni	
11	50	Pranil Prakash Nagras.	P.P.Nagras
12	51	Ragesh Dhamanjay Pandit	
13	52	Pitresh Prakash Pangidwale	Pitresh
14	53	Patil Ganesh Desavardaj	Patil
15	54	Patil Ashutosh Sunil.	Ashutosh
16	55	Pawar Aniket Santosh	Aniket
17	56	Pawne Dayanand Yogesh	Dayanand
18	57	Pawar P. D	
19	58	Rode V.B	Rode
20	59	Sapkal N.Z.	Sapkal
21	60	Sathe Pradip shivaji	Pradip
22	61	Sajjad Azam Akrem	Azam
23	62	Shaikh Jyoti Ramjan	Shaikh
24	63	Shaikh v.t.	v.t.
25	64	Shawar JY	
26	65	Shinde R.N.	Shinde
27	66	Saurabh M. Shinde	Saurabh
28	67	Sirsat N.Z.	
29	68	Sonar S.P.	Sonar
30	69	Tadmore S.S.	
31	70	Vibhute R.N.	Vibhute
32	71	Warkhale Vilasnik	
33	72	Hrushikesh Mhinge	Hrushikesh
34	73	Gavari S.A.	Gavari
35	74	Gadhav. V.T	Gadhav
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: 12/12/2020  
Name of Student: Chavan Sonali Umesh  
Class: TE (Mech) Division: A  
Roll No.: TA-02 Subject: ESA  
Sign of Supervisor: Am Marks: 19 / 20

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

Ques 1.

1), b), a) ✓

① → (a) 1 + (b) 1

2) b) ✓

3) b) ✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

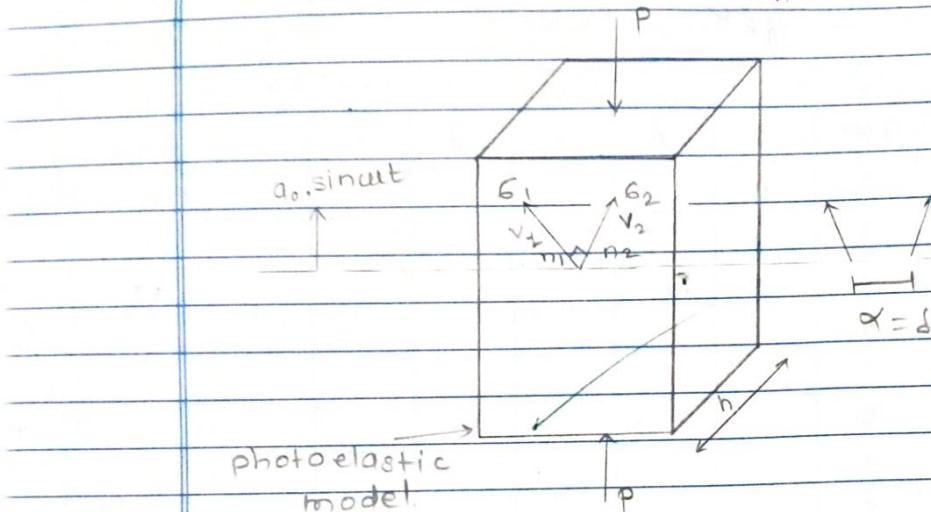
✓

Q2

b)

stress optics law:

$$\text{To prove} - \sigma_1 - \sigma_2 = \frac{N F G}{h}$$



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

$$\therefore (n_1 - n_2) \propto (\sigma_1 - \sigma_2)$$

$$(n_1 - n_2) = K (\sigma_1 - \sigma_2)$$

$K$  = stress optic constant

When the photoelastic model is in the undilating condition  $\Rightarrow$  the light is having the refractive index  $n$ .

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

$\Rightarrow$  the light vector divides in two vectors with  $\neq$  double refractive indexes i.e.  $n_1 \neq n_2 \neq$  it divides with different velocities

The velocity  $v_1$  in the dirn of  $\sigma_1$  & velocity  $v_2$  in the dirn of  $\sigma_2$

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

$$t_1 = \frac{\text{displacement}}{\text{velocity}}$$

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

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

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

$$= (t_1 - t_2) c$$

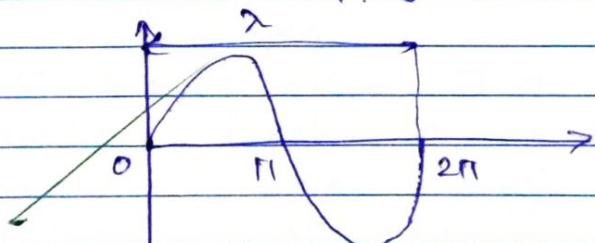
$$= hc \left( \frac{1}{v_1} - \frac{1}{v_2} \right)$$

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

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

$$\therefore s = h \cdot k (n_1 - n_2) \quad \text{--- (2)}$$

(from eqn (1))



Let the linear wavelength will be similar to angular wavelength of linear retardation  $\Rightarrow$  similar to angular retardation.

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

$$s \approx \alpha$$

$$\therefore s = \frac{\lambda \alpha}{2\pi}$$

--- (3)

from eqn (2),

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

from eqn (3),

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

therefore

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

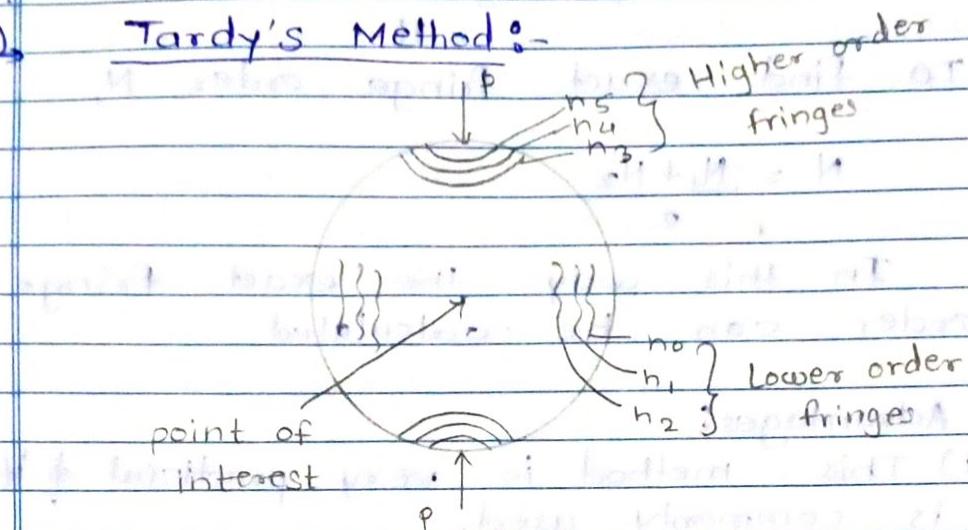
$$F_c = \frac{\lambda}{K} - \text{material fringe value}$$

∴  $(G_1 - G_2) = N \cdot F_c$

From the above eqn we can find  
the  $(G_1 - G_2)$ .

Ques.

a). Tardy's Method :-



The ~~P~~ 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 ~~P~~ photo elastic 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 analyser through the angle  $\beta$  in clockwise direction due to which the fringe  $h_2$  will pass through the point of interest & we get,

$$N_1 = h_2 + \beta$$

Now similarly, to find  $N_2$ , rotate the analyser in the anticlockwise direction at an angle  $\beta$  so that the higher order fringe  $h_3$  will pass through the point of interest.

$$\therefore N_2 = \frac{B \cdot n \cdot h_2 - B}{2}$$

To find exact fringe order  $N$ ,

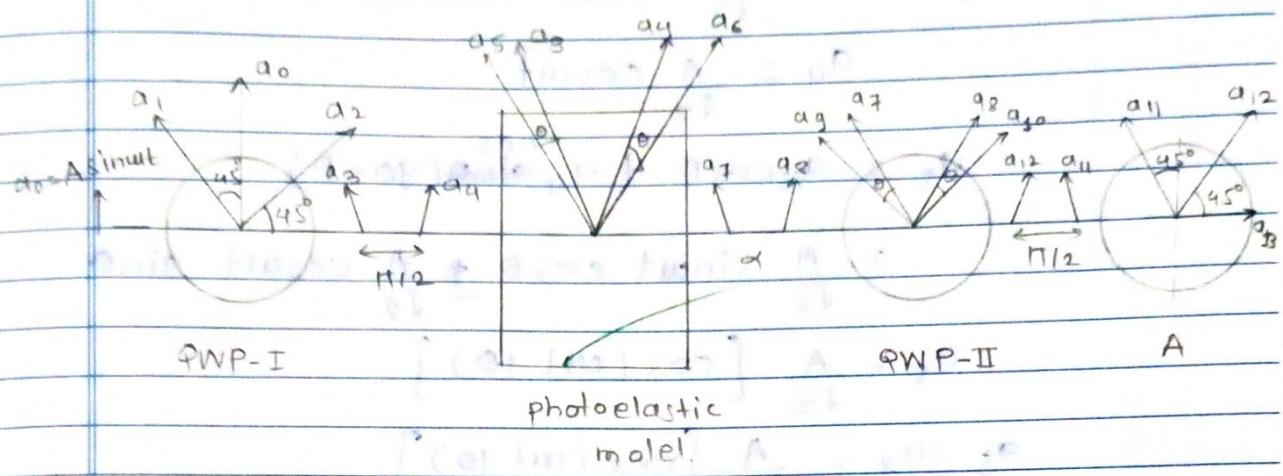
$$N = \frac{N_1 + N_2}{2}$$

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 Babinet & soliel methods are not required.

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,  
 $a_0 = A \sin \alpha$

When the light passes through QWP-I the light vector divides into 2 vectors  $a_1$  and  $a_2$  will be given by,

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

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

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

$a_2$  will be given by

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

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

$$a_2 = A \sin \alpha \cdot \frac{1}{\sqrt{2}} \quad \text{--- (2)}$$

After passing through QWP-II the it will divide into  $a_3$  and  $a_4$ .  
 Here  $a_3 = a_1 = A \sin \alpha \cdot \frac{1}{\sqrt{2}}$

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

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

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

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

$$a_5 = a_3 \cos \theta + a_4 \cos(g_0 - \theta)$$

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

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

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

$$a_6 = a_4 \cos \theta + a_5 \cos(g_0 + \theta)$$

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

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

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

$$a_9 = a_7 \cos \theta + a_8 \cos(g_0 - \theta)$$

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

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



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

ISE / Unit Test No.: Chavan ISE-2 Date: 09/09/2019

Name of Student: Chavan · Sonali Umesh

Class: TEC (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							
										<b>Grand Total</b>

$$a_{10} = a_g \cos \theta + a_7 \frac{\cos}{\sin} (\theta + \alpha)$$

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

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

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

$$a_{11} = a_g + \frac{\pi}{2}$$

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

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

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

$$a_{13} = A \left[ \begin{array}{l} \cos(\omega t + \theta) \sin \omega t - \sin(\omega t + \theta + \alpha) \\ \sin \theta + \frac{\pi}{2} \\ + \sin(\omega t + \theta + \alpha) \cos \theta + \cos(\omega t + \theta) \sin \theta \end{array} \right]$$

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

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

**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)**

<b>Roll. No.</b>	<b>Marks out of 20</b>	<b>% Attendance</b>	<b>Roll. No.</b>	<b>Marks out of 20</b>	<b>% Attendance</b>	<b>Roll. No.</b>	<b>Marks out of 20</b>	<b>% Attendance</b>
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
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			
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- I**

**ISE-I: MARK LIST**  
**SUBJECT: ESA**

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

<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 of the Subject</b>	98.57 %

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

  
**Subject Teacher**

  
**HOD**

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

**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

(Prof. S. S. Jadhav)

ISE Coordinator

Vant  
24/12/2020

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
TA <del>74</del>	12	89	14	88	16	78	19	85	6	85

Vank  
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



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.

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

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

BE-BB3 - Shaji  
TE-B Ram  
BE BB4 Ramsey

TA01 - Tar

B.E. - DTK - BB52 R  
T.EA-II - Jnow  
B.E. - B1F Ki

**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.**

<b>Paper No.</b>	<b>Subject</b>	<b>Date</b>	<b>Time</b>
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.**

<b>Paper No.</b>	<b>Subject</b>	<b>Date</b>	<b>Time</b>
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.**

SA2  
**( Dr. S. A. Sonawane)**  
**H. O. D.**  
**Mechanical Engineering Dept.**

HEAD,  
 Dept. of Mechanical En  
 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



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.

S.A.S  
(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.**

<b>Paper No.</b>	<b>Subject</b>	<b>Date</b>	<b>Time</b>
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 Engg  
C.O.E. Pandharpur.

# Industrial Visit

**Department of Mechanical  
Engineering**

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

Planned Date	Conducted Date
04/03/2020 to 05/03/2020	04/03/2020 to 05/03/2020

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.

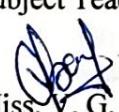
Thanking you.

Yours Sincerely,



(Prof. B. D. Gaikwad)

Subject Teacher-MP



(Miss. 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

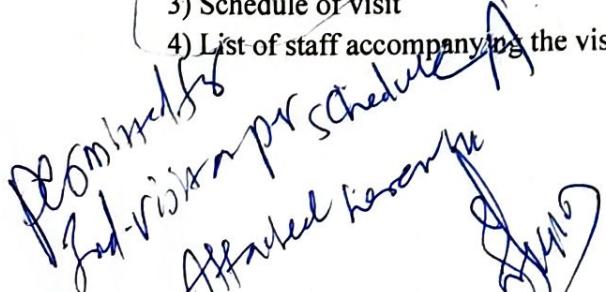


(Mr. C. C. Jadhav)

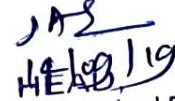
CC- S. Y. B. Tech- B

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 subject Manufacturing process & I.C. Engine respectively. You are requested to please approve the same. The detailed schedule is attached herewith.

  
Date: 11/09/2019  
Dept. of Mechanical Engg.  
C.O.E. Pandharpur.



**Teaching Scheme**

**Theory:** 3 Hrs/week

**Practical:** 2 Hrs/week

**Examination Scheme**

**ESE:** 70 Marks

**ISE – 30 Marks**

**ICA:** 25 Marks

---

**• Course Introduction:**

This course covers all primary manufacturing processes like casting, forging, rolling, extrusion and Drawing along with Fabrication. These processes are basics of Mechanical Engineering Programme. The basics of these processes along with their applications and equipment and machinery required for the processes is covered in brief. This course also introduces Manufacturing Techniques for plastic products. Recent trends in various processes are also discussed in brief.

- Course Prerequisite:** Fundamentals of Mechanics, force, power and mechanical properties of materials, thermal properties of materials is required to be known to the candidate undergoing to the course.

---

**• Course Objective:**

1. To introduce to the students the casting technique and its significance in manufacturing.
2. To introduce to the students with various plastic deformation processes and their application.
3. To introduce to the students the various fabrication techniques and their significance in Industry.
4. To introduce to the students with various plastic manufacturing processes.
5. To introduce to the students with recent trends in this processes.

---

**• Course Outcomes:** At the end of this course, the students will be able to

1. Select appropriate manufacturing process for a given component.
2. Understand performance of each process.
3. Prepare manufacturing plan for the given component.

## **SECTION I**

### **UNIT-1 Casting Processes**

**No. of lectures-06**

- Definition of casting, Basic steps in casting processes, Advantages, limitations and applications of casting process, General introduction to patterns, Types of patterns, materials used, Allowances, Core, core boxes and types of cores and core boxes, molding materials and its properties, Gating system, types of risers, Function of riser, method to improve efficiency of risers. Riser design simple numerical problems.

### **UNIT-2 Molding processes**

**No. of lectures-09**

- Green sand molding (hand and machine molding), Shell molding, Investment casting, centrifugal casting, gravity and pressure die casting processes.
- Induction furnace construction and working in brief of melting furnaces such as Cupola, Arc furnaces, induction furnaces, Crucible, oil and gas fired furnaces.

### **UNIT-3 Fettling, Cleaning and Inspection of Castings**

**No. of lectures-05**

- Need for fettling, stages in fettling, equipments used in fettling 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 tube drawing, 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 forgingshop.

### • TextBooks:

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 carburetor, 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, DhanpatRai.
- 2 Engineering Fundamentals of the Internal Combustion Engine, Willard Pulkrabeck, Prentice Hall
- 3 Internal Combustion Engines, R. K. Rajput, DhanpatRai 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, EranSher, 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.



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.



Permitted for V.S.Y

Mr. Ganesh  
4890161065

Ganesh. sonawane  
7798115555



Ref. No.: COEPR/MECH/19-20/ 171

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,

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

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



*19-08-2019  
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, Instrial Istate,  
Palus ,  
Sangali.

**Sub: - About Industrial Visit**

Dear Sir,

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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.

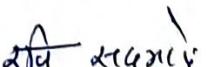
We will remain grateful to you if give chance for industrial visit.

Thanking you.

Yours faithfully,

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

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

  
9890161065

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

3 messages

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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 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**.

—  
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**

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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 -Ranjanji 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  
www.tuv.com  
ID 9106648196



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,

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

Head, Mech Engg. Dept.

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

DT: 20-9-19

Visited 130 no. student +  
07 no. teacher/staff



→ found ok

*W.M.*





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)  
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ISO 9001:2015  
www.tuv.com  
ID: 9106048194



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.

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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 19/09/2019.





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)

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ISO 9001:2015  
www.sveri.com  
ID: 9105049194



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

Date: 19/09/2019

To,

**Kedar Foundry, 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 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 19/09/2019.

Yours faithfully,

*SAR*

(Dr. S. A. Sonawane)

Head, Mech Engg. Dept.

HEAD,

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



132 students visited along with  
08 faculty members.  
Visited to our company.  
Date - 19/09/19

*Om mulle  
Om mulle Aai*



**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. No.	Name of Student	Sign.
SA 01	/Achugatla Komal	<i>Achugatla</i>	SA 26	Gaikwad Vaibhav Nanaheb	<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	/Pachandrao Madhuri	<i>Pachandrao</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	Jagadale Milind Shashikant	<i>Jagadale</i>
SA 10	Admane Dhananjay Rajendra	<i>Admane</i>	SA 35	Pachandrao Chandragupt V.	<i>Pachandrao</i>
SA 11	Sul Amol Dhondiba	<i>Sul</i>	SA 36	Jatkar Prathamesh Manohar	<i>Jatkar</i>
SA 12	Bansode Dnyaneshwar	<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	<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	<i>Deshmukh</i>	SA 48	Narute Bhushan Narayan	<i>Narute</i>
SA 24	Todkar Ganesh Shankar		SA 49	Waghmare Sachin Dattatray	<i>Waghmare</i>
SA 25	Gadekar Yash Yuvraj	<i>Gadekar</i>	SA 50	Disale Pranay	<i>Disale</i>

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

*11/09/19*  
**(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.

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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 DattatryChatage	
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 Abhinay 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 Nana saheb S.	
SB 21	Kadam Nilesh Sanjay		SB 48	Shinde Vishwajit Ashok	
SB 22	Khote Abhijeet Sunil		SB 49	ShitoleDnyaneshwar Ganpat	
SB 23	Kulkarni Atharv Makarand		SB 50	Ubale Harshvardhan Sudhir	
SB 24	Londhe Vaibhav Anil		SB 51	Taur Mohit Nagesh	
SB 25	MadaneAvinashAjinath		SB 52	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.**

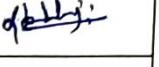
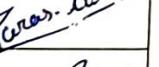
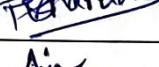
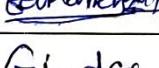
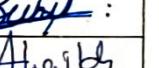
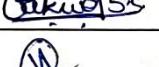
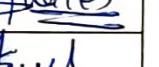
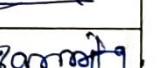
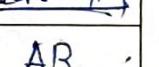
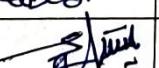
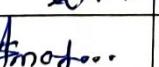
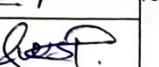
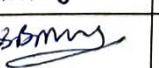
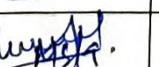
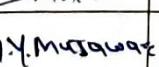
**(Prof. C. C Jadhav)**  
**Class Co-ordinator-SE B**

**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.

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

*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	20/09/2019	04: 00 pm
6	Departure from Gandharv, Kolhapur		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	20/09/2019	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)

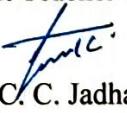
Subject Teacher-MP

  
(Mr. S. J. Shinde)

CC- S. Y. B. Tech- A

  
(Mr. S. S. Jadhav)

Subject Teacher-ICE

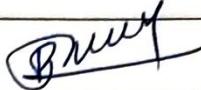
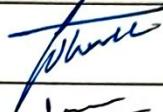
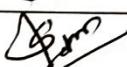
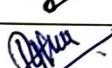
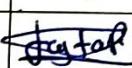
  
(Mr. C. C. Jadhav)

CC- S. Y. B. Tech- B

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

  
19/09/19

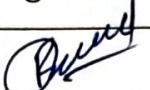
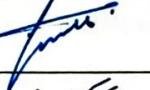
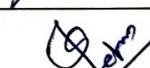
**Department of Mechanical Engineering**  
**List of Faculty Members accompanying Industrial Visit**  
**S. Y. B. Tech Mechanical- Div- A, B & C**  
**Date: 19<sup>th</sup> & 20<sup>th</sup> September 2019**

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	

*SAS*  
(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>
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	

  
(Dr. S. A. Sonawane)

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

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, Shiroli MIDC, Kolhapur**

Date:- 20/09/2019

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
SA 01	/Achugatla Komal Revansidheshwar	Achugatla	SA 26	Gaikwad Vaibhav NanaSaheb	Gaikwad
SA 02	/Gajakosh Shradhha Dattatray	Gajakosh	SA 27	Gaikwad Vaibhav Ramdas	Gaikwad
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	Saleha	SA 30	Satapute Rahul Rajaram	Satapute
SA 06	/Pachandrao Madhuri Vinayak	Pachandrao	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	Rutuja	SA 34	Jagadale Milind Shashikant	Jagadale
SA 10	Admane Dhananjay Rajendra	Admane	SA 35	Pachandrao Chandragupt V.	Pachandrao
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

(Prof. S. J. Shinde)  
 Class Coordinator

(Dr. S. A. Sonawane)  
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**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	Achugatla	SA 26	Gaikwad Vaibhav Nanasahab	Gaikwad
SA 02	/Gajakosh Shradhha Dattatray	Gajakosh	SA 27	Gaikwad Vaibhav Ramdas	Gaikwad
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	Rutuja	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

(Prof. S. J. Shinde)  
 Class Coordinator

SAS  
 (Dr. S. A. Sonawane)  
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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: A**  
**Attendance for Industrial Visit to Sadamate Forging, Palus**

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

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SA 01	/Achugatla Komal Revansidheshwar	Achugatla	SA 26	Gaikwad Vaibhav Nana saheb	Gaikwad
SA 02	/Gajakosh Shradhha Dattatray	Gajakosh	SA 27	Gaikwad Vaibhav Ramdas	Ramdas
SA 03	/Joshi Gayatri Vinayak	Joshi	SA 28	Ghadage Prakash Bhimrao	Bhimrao
SA 04	/Lakheri Vaishnavi Mahesh	Lakheri	SA 29	Shelar Yuvraj Vinod	Vinod
SA 05	/Mirjkar Saleha Salim	Mirjkar	SA 30	Satapute Rahul Rajaram	Rajaram
SA 06	/Parchandrao Madhuri Vinayak	Parchandrao	SA 31	Godse Rutik Ramesh	Ramesh
SA 07	/Parvat Namrata Raju	Parvat	SA 32	Patil Rushikesh Vidyadhar	Vidyadhar
SA 08	/Sathe Deepjyoti Dattatray	Sathe	SA 33	Hambirrao Kiran Vinayak	Vinayak
SA 09	/Tarapurkar Rutuja Suresh	Rutuja	SA 34	Jagadale Milind Shashikant	Shashikant
SA 10	Admane Dhananjay Rajendra	Admane	SA 35	Parchandrao Chandragupt V.	Chandragupt
SA 11	Sul Amol Dhondiba	Sul	SA 36	Jatkar Prathamesh Manohar	Manohar
SA 12	Bansode Dnyaneshwar Rohidas	Bansode	SA 37	Joshi Atharv Santosh	Santosh
SA 13	Jadhav Atish Balaso	Jadhav	SA 38	Kadasare Saurabh Bandu	Bandu
SA 14	Burungale Bharat Dnyandev	Burungale	SA 39	Kale Ayush Nitin	Nitin
SA 15	Chavan Samarth Suresh	Chavan	SA 40	Khandagale Rohit Ananda	Ananda
SA 16	Chavan Saurabh Chandrakant	Chavan	SA 41	Kirgat Prathmesh Ramesh	Ramesh
SA 17	Chavan Shreeyash Rajaram	Chavan	SA 42	Kshirsagar Sachin Ashok	Ashok
SA 18	Chavan Yogesh Prakash	Chavan	SA 43	Pansare Akshay Balasaheb	Balasaheb
SA 19	Chavare Sumeet Suhas	Chavare	SA 44	Misal Mangesh Mahavir	Mahavir
SA 20	Chitari Ghanasham Shashikant	Chitari	SA 45	More Suraj Dattatray	Suraj
SA 21	Dandage Omkar Babaso	Dandage	SA 46	Motewar Aditya Vyankatesh	Aditya
SA 22	Deokar Onkar Rajendra	Deokar	SA 47	Mundhe Nikhil Dilip	Nikhil
SA 23	Deshmukh Pruthviraj Somnath	Deshmukh	SA 48	Narute Bhushan Narayan	Bhushan
SA 24	Todkar Ganesh Shankar	Todkar	SA 49	Waghmare Sachin Dattatray	Dattatray
SA 25	Gadekar Yash Yuvraj	Gadekar	SA 50	Disale Pranay	Pranay

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

  
**(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**

A.Y. 2019-20

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

Attendance for Industrial Visit to Sadamate Forging, 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	Nagtilak Harshal Rajendra	
SB 03	/LaleArati Gajanan		SB 31	Nanaware Jaydev 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 Abhinay Rajendra		SB 45	Shaikh Salim Husen	
SB 18	Gavali Suraj Rajendra		SB 46	Shinde Dipak Pandurang	
SB 19	Waghmode Chetan		SB 47	Shinde Nanaheb Siddheshwar	
SB 20	WaghmodeDhondiram Madhu		SB 48	Shinde Vishwajit Ashok	
SB 21	Kadam Nilesh Sanjay		SB 49	Shitole Dnyaneshwar Ganpat	
SB 22	Khote Abhijeet Sunil		SB 50	Ubale Harshvardhan Sudhir	
SB 23	Kulkarni Atharv Makarand		SB 51	Taur Mohit Nagesh	
SB 24	Londhe Vaibhav Anil		SB 52	Kengar Sachin Uttam	
SB 25	Madane Avinash Ajinath		SB 53	Langote Krishna S.	
SB 26	Mali Amol Vijay				
SB 27	Mashalkar Omkar Basavraj				
SB 28	Metkari Om Damodar				

(Prof. C. C. Jadhav)  
 Class Coordinator

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

HEAD,  
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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	<i>SD</i>	SB 29	Mulani Aman Allauddin	<i>Thun</i>
SB 02	/EkatpurePreranaShrirang	<i>Deepr</i>	SB 30	NagtilakHarshal Rajendra	<i>Nagtilak H. Rajendra</i>
SB 03	/LaleArati Gajanan	<i>AG. Lale</i>	SB 31	NanawareJaydev Dipak	<i>Gajanan</i>
SB 04	/Mane Snehal Digambar	<i>Some</i>	SB 33	Parmar Ridham Girish	<i>Ridham</i>
SB 05	/More Vaishali Dilip	<i>68</i>	SB 34	Patil Madan Kalyan	<i>Patil</i>
SB 06	/SonawaneDhanashree Bharat	<i>Dhe</i>	SB 35	Patil Santosh Hanamant	<i>S. Patil</i>
SB 07	Vidhate Rohit Dattatraya	<i>Rohit</i>	SB 36	Patil Yogesh Kumar	<i>Yogesh</i>
SB 08	Wadekar Saurabh Ganesh	<i>Wadekar</i>	SB 37	Pawar Omkar Santosh	<i>Omkar S. P.</i>
SB 10	Bansode Aniket Annaso	<i>Aniket</i>	SB 38	Pawar Shubham Uttam	<i>Shubham</i>
SB 11	Bapat Vinayak Vishnu	<i>Vinayak</i>	SB 39	Rai Hrishav Raj	<i>Hrishav</i>
SB 12	Bhosale Hritik Ramesh	<i>Hritik</i>	SB 40	Rohit Dattatry Chatage	<i>Rohit Dattatry</i>
SB 13	Bhosale Vaibhav Rajendra	<i>Bhosale</i>	SB 41	Yasar Yusuf Khatik	<i>Y. Yusuf Khatik</i>
SB 14	Deshmukh Pratik Pravin	<i>Pratik</i>	SB 42	SarakKashilingKalidas	<i>Pratik</i>
SB 15	Dhotre Sourabh Sanjay	<i>Sourabh</i>	SB 43	Saravale Aniket Rajkumar	<i>Aniket</i>
SB 16	Dixit Manthan Milind	<i>Manthan</i>	SB 44	Shaikh Aftab Bashir	<i>Aftab</i>
SB 17	Gaikwad Abhinay Rajendra	<i>Abhinay</i>	SB 45	Shaikh Salim Husen	<i>Salim</i>
SB 18	Gavali Suraj Rajendra	<i>Suraj</i>	SB 46	Shinde Dipak Pandurang	<i>Dipak</i>
SB 19	Waghmode Chetan	<i>Chetan</i>	SB 47	Shinde NanaSahebSiddheshwar	<i>Siddheshwar</i>
SB 20	WaghmodeDhondiram Madhu	<i>Waghmode</i>	SB 48	Shinde Vishwajit Ashok	<i>Vishwajit</i>
SB 21	Kadam Nilesh Sanjay	<i>Nilesh</i>	SB 49	ShitoleDnyaneshawr Ganpat	<i>Ganpat</i>
SB 22	Khote Abhijeet Sunil	<i>Abhijeet</i>	SB 50	Ubale Harshvardhan Sudhir	<i>Harshvardhan</i>
SB 23	Kulkarni Atharv Makarand	<i>Atharv</i>	SB 51	Taur Mohit Nagesh	<i>Mohit</i>
SB 24	Londhe Vaibhav Anil	<i>Anil</i>	SB 52	KengarSachinUttam	<i>Sachin</i>
SB 25	MadaneAvinashAjinath	<i>Avinash</i>	SB 53	Langote Krishna S.	<i>Langote</i>
SB 26	Mali Amol Vijay	<i>Amol</i>			
SB 27	Mashalkar Omkar Basavraj	<i>Omkar</i>			
SB 28	Metkari Om Damodar	<i>Om</i>			

  
 (Prof. C. C. Jadhav)  
 Class Coordinator

  
 (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**

A.Y. 2019-20

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

Attendance for Industrial Visit to Rocket Engine, Shiroli MIDC, Kolhapur

Date:- 20/09/2019

Roll No.	Name of Student	Sign.	Roll No.	Name of Student	Sign.
SB 01	/Deshpande Samruddhi Rajendra	<u>19</u>	SB 29	Mulani Aman Allauddin	<u>Hironal</u>
SB 02	/EkatpurePreranaShrirang	<u>221</u>	SB 30	NagtilakHarshal Rajendra	<u>NagtilakHrshl</u>
SB 03	/LaleArati Gajanan	<u>A.G.Jale</u>	SB 31	NanawareJaydev Dipak	<u>Gajanan</u>
SB 04	/Mane Snehal Digambar	<u>Some</u>	SB 33	Parmar Ridham Girish	<u>Ridham</u>
SB 05	/More Vaishali Dilip	<u>Om</u>	SB 34	Patil Madan Kalyan	<u>Patil</u>
SB 06	/SonawaneDhanashree Bharat	<u>Sonawne</u>	SB 35	Patil Santosh Hanamant	<u>Santosh</u>
SB 07	Vidhate Rohit Dattatraya	<u>Rohit</u>	SB 36	Patil Yogesh Kumar	<u>Yogesh</u>
SB 08	Wadekar Saurabh Ganesh	<u>Fawad</u>	SB 37	Pawar Omkar Santosh	<u>Santosh</u>
SB 10	Bansode Aniket Annaso	<u>Aniket</u>	SB 38	Pawar Shubham Uttam	<u>Shubham</u>
SB 11	Bapat Vinayak Vishnu	<u>Vinayak</u>	SB 39	Rai Hrishav Raj	<u>Hrishav</u>
SB 12	Bhosale Hritik Ramesh	<u>Hritik</u>	SB 40	Rohit DattatryChatage	<u>Dattatry</u>
SB 13	Bhosale Vaibhav Rajendra	<u>Vaibhav</u>	SB 41	Yasar Yusuf Khatik	<u>Y.y. Khatik</u>
SB 14	Deshmukh Pratik Pravin	<u>Pratik</u>	SB 42	SarakKashilingKalidas	<u>Kalidas</u>
SB 15	Dhotre Sourabh Sanjay	<u>Sourabh</u>	SB 43	Saravale Aniket Rajkumar	<u>Aniket</u>
SB 16	Dixit Manthan Milind	<u>Manthan</u>	SB 44	Shaikh Aftab Bashir	<u>Aftab</u>
SB 17	Gaikwad Abhinay Rajendra	<u>Abhinay</u>	SB 45	Shaikh Salim Husen	<u>Salim</u>
SB 18	Gavali Suraj Rajendra	<u>Suraj</u>	SB 46	Shinde Dipak Pandurang	<u>Dipak</u>
SB 19	Waghmode Chetan	<u>Chetan</u>	SB 47	Shinde NanahebSiddheshwar	<u>Siddheshwar</u>
SB 20	WaghmodeDhondiram Madhu	<u>Waghmode</u>	SB 48	Shinde Vishwajit Ashok	<u>Vishwajit</u>
SB 21	Kadam Nilesh Sanjay	<u>Nilesh</u>	SB 49	ShitoleDnyaneshawr Ganpat	<u>Ganpat</u>
SB 22	Khote Abhijeet Sunil	<u>Abhijeet</u>	SB 50	Ubale Harshvardhan Sudhir	<u>Sudhir</u>
SB 23	Kulkarni Atharv Makarand	<u>Atharv</u>	SB 51	Taur Mohit Nagesh	<u>Nagesh</u>
SB 24	Londhe Vaibhav Anil	<u>Anil</u>	SB 52	KengarSachinUttam	<u>Sachin</u>
SB 25	MadaneAvinashAjinath	<u>Avinash</u>	SB 53	Langote Krishna S.	<u>Langote</u>
SB 26	Mali Amol Vijay	<u>Amol</u>			
SB 27	Mashalkar Omkar Basavraj	<u>Omkar</u>			
SB 28	Metkari Om Damodar	<u>Om</u>			

(Prof. C. C. Jadhav)  
 Class Coordinator

(Dr. S. A. Sonawane)  
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 C.O.E. Pandharpur.

**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**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 SHAHADI		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 SAMBHADI				
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.  
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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: A**  
**Attendance for Industrial Visit to Rocket Engine, Shiroli MIDC, Kolhapur**  
**Date:- 20/09/2019**

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	
S 1	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 SAMBHADI				
SC 18	MANE-DESHMUKH SAMARTH BABRUVALA				
SC 19	MOHAMMAD SAJID KHAN				
SC 20	MUJAWAR NIHAL YUSUF				
S 1	MULANI IRFAN RASHID				
SC 22	MUSALE PRAJWAL DATTATRAYA				
SC 23	NAGARGOJE RAMBHJEE 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  
**O.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 SHAHADI		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 SAMBHADI				
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 RAMBHADEE 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.

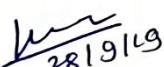
Subject: Report of industrial visit

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

  
28/09/19

(Prof.S.S.Jadhav)

ICE Subject Teacher

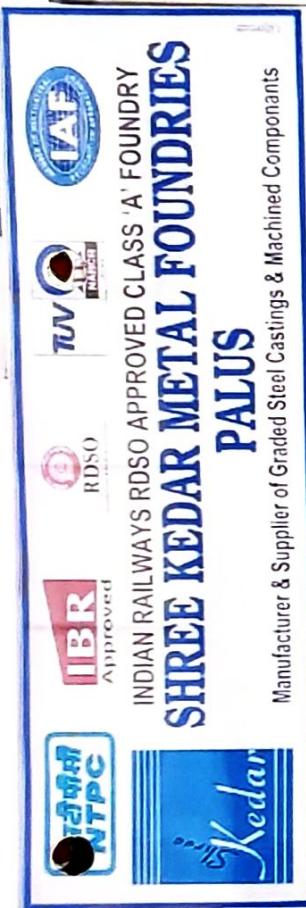
S.Y.B.Tech (Mech) Div. A and B

  
(/Prof.V.G.Kalebag)

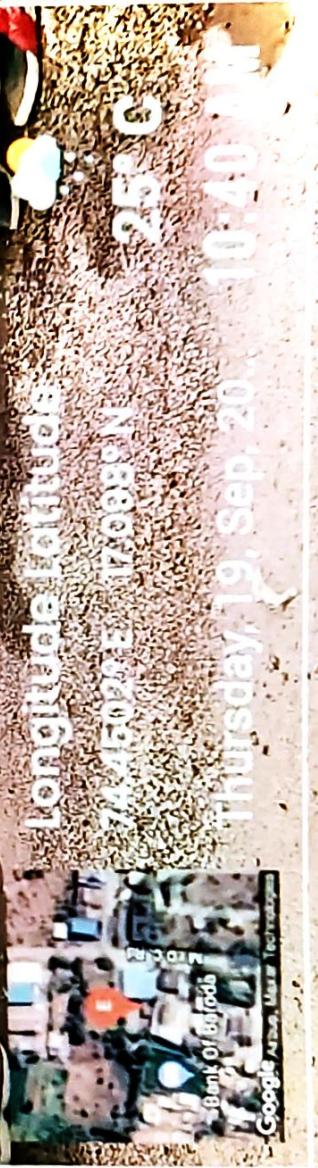
ICE Subject Teacher

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

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



Sangli, Maharashtra, India

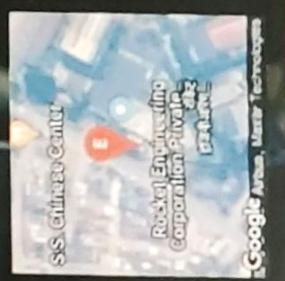






# Kolhapur, Maharashtra, India

Longitude  
74.272° E  
Latitude  
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**

<b>Planned Date</b>	<b>Conducted Date</b>
<b>First week of Aug. 2019 to Last week of Nov. 2019</b>	<b>First week of Aug. 2019 to Last week of Nov. 2019</b>

**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



ISO 9001:2015  
ID: 5100049106  
[www.tuv.com](http://www.tuv.com)



### 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-sectionSurfaces 4. Split, Trim andJoin 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

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**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 LifeCycle 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

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## PART 1: Fundamentals of Automobile Design

Session No.	Name of the Topic	Sub-Topics
IX	Formability	<ul style="list-style-type: none"><li>1. Simultaneous Engg. feasibility study</li><li>2. Sheet metal processes</li><li>3. Types of draw dies</li><li>4. Forming simulations</li><li>5. Various Material properties</li><li>6. Forming Limit Curve (FLD)</li></ul>
X	Die Design	<ul style="list-style-type: none"><li>1. Sheet Metal parts and their operation</li><li>2. Presses</li><li>3. Various elements used in die design</li><li>4. Process of die design</li><li>5. Functions of the elements required for each die</li></ul>
XI	Fixture Design	<ul style="list-style-type: none"><li>1. Correlation of types of joints for Fixture Design</li><li>2. Joining processes and their Applications Overview</li><li>3. Need Of Fixtures &amp; Type Of Fixtures</li><li>4. Use of product GD&amp;T in the Fixture design</li></ul>



(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

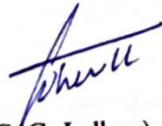
**List of Students Enrolled for**

**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	pornimamnikate@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	dayanandpawar@coep.sveri.ac.in
7	19200807	Gaurav	Tuljapurkar	gauravtuljapurkar@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	surajgaikwad@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	samadhandmasal@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	gaurirgore@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	nikitandemore@coep.sveri.ac.in
30	19200830	Chandrapra	Ashture	chandraprabhabashture@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. Engg. Dept.**  
**HEAD**,  
**Dept. of Mechanical Engg**  
**C.O.E. Pandharpur.**

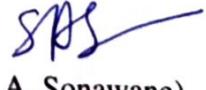
**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

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
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	ganeshbpatal@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	ganeshpcidrewar@coep.sveri.ac.in
72	19200872	shubham	Sathe	shubhamsathe@coep.sveri.ac.in
73	19200873	Abhishek	Shinde	abhishekashinde@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, appearing to read 'Vikrant Gandhe'.

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



# 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



Engineering a **better world.**



# 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'.

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'.

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