



तीर्थकर महावीर विश्वविद्यालय
Teerthanker Mahaveer University
An Ultimate Destination for World Class Education

COURSE FILE

FACULTY OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Program	:	B.Tech. CSE
Academic Year	:	2018-19
Faculty Member	:	Mr. Arun Gupta
Faculty Email Id	:	arun.engineering@tmu.ac.in
Course Name	:	, Workshop Practice Lab
Course Code	:	EME 162
Semester	:	I

[Arun Gupta]

Director
Faculty of Engineering
Teerthanker Mahaveer University
Moradabad

Index

S. No.	Description	Yes	No
1	Academic calendar	√	
2	Individual faculty time table	√	
3	Syllabus	√	
4	Hand Outs	NA	
5	Class Tests (CTs) I, II, & III	NA	
6	Award List (Internal) I, II, & III	√	
7	Rubrics List for Internal Practical Assessment(<i>Only for Lab Courses</i>)	√	
8	Identification of Slow Learners	NA	
9	Special classes with attendance sheet of slow learners with ATR after each CT	NA	
10	Assignments	√	
11	Question Bank	NA	
12	Attendance Sheet (Month-wise)	NA	
13	E-contents (web links)	NA	

Individual Time Table

	9:00– 9:55	9:55– 10:50	10:50 – 11:40	11:40- 12:30	12:30- 1:30	1:30- 2:20	2:20- 3:10	3:10 – 4:00
MON					L U N C H			
TUE								
WED	EME162 (A1)							
THU	EME162 (A2)							
FRI								
SAT								

Course Code	Subject Name	Room No.
EME 162	WORKSHOP PRACTICE LAB	1224

Syllabus

Course Outcomes (COs)

Course Outcomes:	On completion of the course, the students will be :
CO1.	Understanding the concepts to prepare simple wooden joints using wood working tools.
CO2.	Applying the techniques to produce fitting jobs of specified dimensions.
CO3.	Applying the concepts to prepare simple lap, butt, T and corner joints using arc welding equipment.
CO4.	Applying the concepts of black smithy and lathe machine to produce different jobs.
CO5.	Creating core and moulds for casting.

Course Outline:

Carpentry Shop:

1. To prepare half-lap corner joint.
2. To prepare mortise & tenon joint.
3. To prepare a cylindrical pattern on woodworking lathe.

Fitting Bench Working Shop:

1. To prepare a V-joint fitting
2. To prepare a U-joint fitting
3. To prepare a internal thread in a plate with the help of tapping process

Black Smithy Shop:

1. To prepare a square rod from given circular rod
2. To prepare a square U- shape from given circular rod

Welding Shop:

1. To prepare a butt and Lap welded joints using arc welding machine.
2. To prepare a Lap welded joint Gas welding equipment.
3. To prepare a Lap welded joint using spot welding machine

Sheet-metal Shop:

1. To make round duct of GI sheet using 'soldering' process.
2. To prepare a tray of GI by fabrication

Machine Shop:

1. To study the working of basic machine tools like Lathe m/c, Shaper m/c, Drilling m/c and Grinding m/c.
2. To perform the following operations on Centre Lathe: Turning, Step turning, Taper turning, Facing, Grooving and Knurling.
3. To perform the operations of drilling of making the holes on the given metallic work-piece (M.S.) by use of drilling machine.

Foundry Shop:

1. To prepare core as per given size.
2. To prepare a mould for given casting.



Department of Computer Science & Engineering

B.TECH (CSE) (A1)

S. No	Roll No	Name	Date	1	2	3	4	5	6	7	8	9	10
1	TCA1809006	ISHU SETHIA		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
2	TCA1809008	SIDDHARTH JAIN		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
3	TCA1809009	VARTIKA JAIN		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
4	TCA1809010	DANISH PASHA		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
5	TCA1809011	ARIHANT JAIN		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
6	TCA1809013	PALAK JAIN		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
7	TCA1809014	SHREYANSH LODHA		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
8	TCA1809015	ARCHIT JAIN		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
9	TCA1809016	MOHIT MUDGAL		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
10	TCA1809017	RITIKA JAIN		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
11	TCA1809018	HARDIK JAIN		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
12	TCA1809020	ANIKA JAIN		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10
13	TCA1809021	VANSHIKA JAIN		P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10

[illegible]



Department of Computer Science & Engineering

B.TECH (CSE) (A2)

[illegible]

44	TCA1809039	UTSAV MUSKAN	P 3	P 4	P 5	A 6	P 7	P 8	P 9	P 10	P 11	P 12
45	TCA1809041	ANUBHAV JAIN	A 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
46	TCA1809046	SHIVAM SAXENA	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
47	TCA1809047	AMAN JAIN	P 3	A 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
48	TCA1809053	TUSHAR KUMAR YADAV	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
49	TCA1809054	ASHISH KUMAR SINGH	P 3	P 4	P 5	P 6	P 7	P 8	P 9	A 10	P 11	P 12
50	TCA1809055	SONIA JAIN	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
51	TCA1809058	YASH SINGH	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
52	TCA1809004	UWAIS IKRAM	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
53	TCA1809019	ARCHIT JAIN	A 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
54	TCA1809025	RUPIT BHATNAGAR	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
55	TCA1809029	NISHANT TANWAR	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
56	TCA1809033	BHUPENDRA KUMAR	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
57	TCA1809037	PRAVESH KUMAR	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
58	TCA1809052	SHRESHTH PRATAP MALL	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
59	TCA1809085	DEEPAK DIWAKAR	A 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12
60	TCA1809088	SHAQLAIN MUSTAQ	A 3	P 4	P 5	P 6	P 7	P 8	P 9	P 10	P 11	P 12



TEERTHANKER MAHAVEER UNIVERSITY

DELHI ROAD, MORADABAD U.P-244001

AWARD LIST

(INTERNAL,PRACTICAL / VIVA VOCE)

PROGRAM : B.TECH (COMPUTER SCIENCE) MAX. MARKS : 50
SEMESTER : FIRST SEMESTER SESSION : 2018-19
COURSE : WORKSHOP PRACTICE LAB COURSE CODE : EME 162
COLLEGE : FACULTY OF ENGINEERING DATE : 18-Dec-2018

S. NO.	ENROLLMENT NO.	STUDENT'S NAME	ASSESSMENT BASES			TOTAL OBTAINED MARKS	
			EXP	VV	ATT	IN FIGURE	IN WORDS
MARKS			25	15	10	50	FIFTY
1	TCA1809006	ISHU SETHIA	22.00	12.00	10.00	44	FORTY FOUR
2	TCA1809008	SIDDHARTH JAIN	21.00	12.00	10.00	43	FORTY THREE
3	TCA1809009	VARTIKA JAIN	22.00	14.00	10.00	46	FORTY SIX
4	TCA1809010	DANISH PASHA	21.00	13.00	9.00	43	FORTY THREE
5	TCA1809011	ARIHANT JAIN	25.00	14.00	10.00	49	FORTY NINE
6	TCA1809013	PALAK JAIN	23.00	14.00	10.00	47	FORTY SEVEN
7	TCA1809014	SHREYANSH LODHA	22.00	14.00	10.00	46	FORTY FOUR
8	TCA1809015	ARCHIT JAIN	22.00	12.00	10.00	44	FORTY FOUR
9	TCA1809016	MOHIT MUDGAL	22.00	13.00	10.00	45	FORTY FIVE
10	TCA1809017	RITIKA JAIN	20.00	14.00	9.00	43	FORTY THREE
11	TCA1809018	HARDIK JAIN	21.00	12.00	10.00	43	FORTY THREE
12	TCA1809020	ANIKA JAIN	20.00	12.00	10.00	42	FORTY TWO
13	TCA1809021	VANSHIKA JAIN	20.00	14.00	10.00	44	FORTY FOUR
14	TCA1809022	ISHIKA JAIN	19.00	14.00	10.00	43	FORTY THREE
15	TCA1809023	AMAN MADHOK	21.00	13.00	10.00	44	FORTY FOUR
16	TCA1809026	UTTKARSH PARMAR	21.00	13.00	10.00	44	FORTY FOUR
17	TCA1809028	DHAIRYA CHAUHAN	24.00	14.00	10.00	48	FORTY EIGHT
18	TCA1809030	RAVINSHU JAIN	22.00	14.00	9.00	45	FORTY FIVE
19	TCA1809031	YASH JAIN	19.00	12.00	10.00	41	FORTY ONE
20	TCA1809032	HEMANT JAIN	22.00	13.00	9.00	44	FORTY FOUR
21	TCA1809035	DRASHTI GUPTA	22.00	13.00	10.00	45	FORTY FIVE
22	TCA1809036	KHUSHI CHHAIGHARIYA	22.00	14.00	9.00	45	FORTY FIVE
23	TCA1809038	SAMYAK JAIN	20.00	13.00	10.00	43	FORTY THREE
24	TCA1809040	RIYA JAIN	23.00	13.00	10.00	46	FORTY SIX
25	TCA1809042	VAIBHAV JAIN	23.00	12.00	10.00	45	FORTY FIVE
26	TCA1809043	RAHUL JAIN	21.00	12.00	10.00	43	FORTY FOUR
27	TCA1809044	KHUSHI JAIN	20.00	13.00	9.00	42	FORTY TWO
28	TCA1809045	ITIKA JAIN	22.00	14.00	10.00	46	FORTY SIX

29	TCA1809048	AYUSHI JAIN	20.00	13.00	10.00	43	FORTY THREE
30	TCA1809049	ARBAAB KHAN	22.00	13.00	10.00	45	FORTY FIVE
31	TCA1809050	SHASHANK JAIN	21.00	14.00	10.00	45	FORTY FIVE
32	TCA1809051	PRACHI JAIN	23.00	12.00	10.00	45	FORTY FIVE
33	TCA1809056	AFREEN AYYOOB	21.00	13.00	10.00	44	FORTY FOUR
34	TCA1809057	UDAY JAIN	22.00	13.00	10.00	45	FORTY FIVE
35	TCA1809067	ARJUN SHARMA	23.00	13.00	10.00	46	FORTY SIX
36	TCA1809068	ASHUTOSH KUMAR	23.00	13.00	10.00	46	FORTY SIX
37	TCA1809069	HARSH KUMAR SINGH	21.00	13.00	10.00	44	FORTY FOUR
38	TCA1809087	ABDUL AHAD	22.00	12.00	10.00	44	FORTY FOUR
39	TCA1809007	GAURAV MISHRA	21.00	13.00	10.00	44	FORTY FOUR
40	TCA1809012	ANJLI	22.00	14.00	10.00	46	FORTY SIX
41	TCA1809024	HARSHIT JAIN	22.00	11.00	10.00	43	FORTY THREE
42	TCA1809027	SHASHWAT KESHAV	21.00	14.00	10.00	45	FORTY FIVE
43	TCA1809034	NISHANT SINGH	21.00	13.00	10.00	44	FORTY FOUR
44	TCA1809039	UTSAV MUSKAN	22.00	14.00	10.00	46	FORTY SIX
45	TCA1809041	ANUBHAV JAIN	22.00	14.00	10.00	46	FORTY SIX
46	TCA1809046	SHIVAM SAXENA	21.00	12.00	10.00	43	FORTY THREE
47	TCA1809047	AMAN JAIN	22.00	12.00	10.00	44	FORTY FOUR
48	TCA1809053	TUSHAR KUMAR YADAV	23.00	13.00	10.00	46	FORTY SIX
49	TCA1809054	ASHISH KUMAR SINGH	22.00	14.00	10.00	46	FORTY SIX
50	TCA1809055	SONIA JAIN	23.00	14.00	10.00	47	FORTY SEVEN
51	TCA1809058	YASH SINGH	22.00	14.00	10.00	46	FORTY FOUR
52	TCA1809004	UWAIS IKRAM	22.00	14.00	10.00	46	FORTY SIX
53	TCA1809019	ARCHIT JAIN	21.00	14.00	9.00	44	FORTY FOUR
54	TCA1809025	RUPIT BHATNAGAR	22.00	14.00	10.00	46	FORTY SIX
55	TCA1809029	NISHANT TANWAR	20.00	12.00	10.00	42	FORTY TWO
56	TCA1809033	BHUPENDRA KUMAR	22.00	13.00	10.00	45	FORTY FIVE
57	TCA1809037	PRAVESH KUMAR	24.00	13.00	10.00	47	FORTY SEVEN
58	TCA1809052	SHRESHTH PRATAP MALL	22.00	11.00	10.00	43	FORTY THREE
59	TCA1809085	DEEPAK DIWAKAR	22.00	14.00	9.00	45	FORTY FIVE
60	TCA1809088	SHAQLAIN MUSTAQ	22.00	14.00	9.00	45	FORTY FIVE

Lab Assignments



तीर्थकर महावीर विश्वविद्यालय
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Faculty of Engineering

Program: B.TECH

Branch/Section: CSE

Course Name: Workshop Practice Lab

Course Code: EME162

-
1. To prepare half-lap corner joint.
 2. To prepare mortise & tannon joint.
 3. To prepare a V-joint fitting
 4. To prepare a square rod from given circular rod
 5. To prepare a butt and Lap welded joints using arc welding machine.
 6. To prepare a Lap welded joint Gas welding equipment.
 7. To prepare a tray of GI by fabrication
 8. To study the working of basic machine tools like Lathe m/c, Shaper m/c, Drilling m/c and Grinding m/c.
 9. To perform the following operations on Centre Lathe: Turning, Step turning, Taper turning, Facing, Grooving and Knurling.
 10. To prepare a mould for given casting.

Sr. No.	Enrollment No.	Name	EME162																									
			Max. Marks																					Total				
			30	10	10	4	4.0	14.0	14.0	14.0	14.0	30	10	40	5	5	10	10	10	9	9	24	24	24				
EXP	VV	File	CO1	CO2	CO3	CO4	CO5	EXP	VV	I	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5								
1	TCA1809004	UW AIS IKRAM	28	8	10	3.6	3.6	12.9	12.9	25	8	33	3.2	4.8	8.3	8.3	8.3	6.8	8.4	21	21.3	21.3						
2	TCA1809006	ISHU SETHIA	30	7	10	3.4	3.4	13.4	13.4	26	8	34	3.2	4.8	8.7	8.7	8.7	6.6	8.2	22	22.1	22.1						
3	TCA1809007	GAURAV MISHRA	25	8	8	3.2	3.2	11.5	11.5	22	8	30	3.2	4.8	7.3	7.3	7.3	6.4	8	19	18.9	18.9						
4	TCA1809008	SIDDHARTH JAIN	23	9	10	3.8	3.8	11.5	11.5	24	9	33	3.6	5.4	8.0	8.0	8.0	7.4	9.2	19	19.5	19.5						
5	TCA1809009	VARTIKA JAIN	26	8	10	3.6	3.6	12.3	12.3	28	8	36	3.2	4.8	9.3	9.3	9.3	6.8	8.4	22	21.6	21.6						
6	TCA1809010	DANISH PASHA	23	8	10	3.6	3.6	11.3	11.3	24	9	33	3.6	5.4	8.0	8.0	8.0	6.8	8.6	20	19.5	19.5						
7	TCA1809011	ARIHANT JAIN	25	7	9	3.2	3.2	11.5	11.5	24	9	33	3.6	5.4	8.0	8.0	8.0	6.8	8.6	20	19.5	19.5						
8	TCA1809012	ANJLI	24	8	10	3.6	3.6	11.6	11.6	30	8	38	3.2	4.8	10.0	10.0	10.0	6.8	8.4	22	21.6	21.6						
9	TCA1809013	PALAK JAIN	25	8	8	3.2	3.2	11.5	11.5	24	9	33	3.6	5.4	8.0	8.0	8.0	6.8	8.6	20	19.5	19.5						
10	TCA1809014	SHREYANSH LODHA	24	8	8	3.2	3.2	11.2	11.2	23	8	31	3.2	4.8	7.7	7.7	7.7	6.4	8	19	18.9	18.9						
11	TCA1809015	ARCHIT JAIN	23	8	10	3.6	3.6	11.3	11.3	26	8	34	3.2	4.8	8.7	8.7	8.7	6.8	8.4	20	19.9	19.9						
12	TCA1809016	MOHIT MUDGAL	26	8	10	3.6	3.6	12.3	12.3	26	8	34	3.2	4.8	8.7	8.7	8.7	6.8	8.4	21	20.9	20.9						
13	TCA1809017	RITIKA JAIN	28	9	10	3.8	3.8	13.1	13.1	26	9	35	3.6	5.4	8.7	8.7	8.7	7.4	9.2	22	21.8	21.8						
14	TCA1809018	HARDIK JAIN	25	8	7	3	3.0	11.3	11.3	22	9	31	3.6	5.4	7.3	7.3	7.3	6.6	8.2	21	21.1	21.1						
15	TCA1809019	ARCHIT JAIN	27	7	10	3.4	3.4	12.4	12.4	26	8	34	3.2	4.8	8.7	8.7	8.7	6.6	8.2	21	21.1	21.1						
16	TCA1809020	ANIKA JAIN	26	8	10	3.6	3.6	12.3	12.3	26	8	34	3.2	4.8	8.7	8.7	8.7	6.8	8.4	21	20.9	20.9						
17	TCA1809021	VANSHIKA JAIN	23	7	8	3	3.0	10.7	10.7	22	8	30	3.2	4.8	7.3	7.3	7.3	6.2	7.8	18	18.0	18.0						
18	TCA1809022	ISHIKA JAIN	23	8	10	3.6	3.6	11.3	11.3	26	9	35	3.6	5.4	8.7	8.7	8.7	7.2	9	20	19.9	19.9						
19	TCA1809023	AMAN MADHOK	26	9	10	3.8	3.8	12.5	12.5	28	9	37	3.6	5.4	9.3	9.3	9.3	7.4	9.2	22	21.8	21.8						
20	TCA1809024	HARSHIT JAIN	27	8	8	3.2	3.2	12.2	12.2	24	8	32	3.2	4.8	8.0	8.0	8.0	6.4	8	20	20.2	20.2						
21	TCA1809025	RUPIT BHATNAGAR	24	8	8	3.2	3.2	11.2	11.2	23	9	32	3.6	5.4	7.7	7.7	7.7	6.8	8.6	19	18.9	18.9						
22	TCA1809026	UTTKARSH PARMAR	25	8	10	3.6	3.6	11.9	11.9	24	9	33	3.6	5.4	8.0	8.0	8.0	7.2	9	20	19.9	19.9						
23	TCA1809027	SHASHWAT KESHAV	27	7	10	3.4	3.4	12.4	12.4	26	9	35	3.6	5.4	8.7	8.7	8.7	7	8.8	21	21.1	21.1						
24	TCA1809028	DHAIRYA CHAUHAN	26	8	10	3.6	3.6	12.3	12.3	28	8	36	3.2	4.8	9.3	9.3	9.3	6.8	8.4	22	21.6	21.6						
25	TCA1809029	NISHANT TANWAR	25	8	10	3.6	3.6	11.9	11.9	26	9	35	3.6	5.4	8.7	8.7	8.7	7.2	9	21	20.6	20.6						
26	TCA1809030	RAVINSHU JAIN	24	8	10	3.6	3.6	11.6	11.6	24	9	33	3.6	5.4	8.0	8.0	8.0	7.2	9	20	19.6	19.6						
27	TCA1809031	YASH JAIN	25	8	10	3.6	3.6	11.9	11.9	25	9	34	3.6	5.4	8.3	8.3	8.3	7.2	9	20	20.3	20.3						
28	TCA1809032	HEMANT JAIN	24	8	10	3.6	3.6	11.6	11.6	24	9	33	3.6	5.4	8.0	8.0	8.0	7.2	9	20	19.6	19.6						
29	TCA1809033	BHUPENDRA KUMAR	24	8	10	3.6	3.6	11.6	11.6	26	9	35	3.6	5.4	8.7	8.7	8.7	7.2	9	20	20.3	20.3						
30	TCA1809034	NISHANT SINGH	25	8	10	3.6	3.6	11.9	11.9	26	9	35	3.6	5.4	8.7	8.7	8.7	7.2	9	20	20.3	20.3						
31	TCA1809035	DRASHTI GUPTA	29	9	9	3.6	3.6	13.3	13.3	22	9	31	3.6	5.4	7.3	7.3	7.3	7.2	9	21	20.6	20.6						
32	TCA1809036	KHUSHI CHHAIGHARIYA	27	7	9	3.2	3.2	12.2	12.2	22	9	31	3.6	5.4	7.3	7.3	7.3	6.8	8.6	20	19.5	19.5						
33	TCA1809037	PRAVESH KUMAR	28	8	8	3.2	3.2	12.5	12.5	26	9	35	3.6	5.4	8.7	8.7	8.7	6.8	8.6	19	18.5	18.5						
34	TCA1809038	SAMYAK JAIN	24	7	9	3.2	3.2	11.2	11.2	22	9	31	3.6	5.4	7.3	7.3	7.3	6.8	8.6	21	21.2	21.2						
35	TCA1809039	UTSAV MUSKAN	29	9	9	3.6	3.6	13.3	13.3	24	9	33	3.6	5.4	8.0	8.0	8.0	7.2	9	21	21.3	21.3						
36	TCA1809040	RIYA JAIN	27	9	10	3.8	3.8	12.8	12.8	28	8	36	3.2	4.8	9.3	9.3	9.3	7	8.6	22	22.1	22.1						
37	TCA1809041	ANUBHAV JAIN	26	8	10	3.6	3.6	12.3	12.3	26	8	34	3.2	4.8	8.7	8.7	8.7	6.8	8.4	21	20.9	20.9						
38	TCA1809042	VAIBHAV JAIN	26	8	10	3.6	3.6	12.3	12.3	25	9	34	3.6	5.4	8.3	8.3	8.3	7.2	9	21	20.6	20.6						
39	TCA1809043	RAHUL JAIN	28	8	9	3.4	3.4	12.7	12.7	28	9	37	3.6	5.4	9.3	9.3	9.3	7	8.8	22	22.1	22.1						
40	TCA1809044	KHUSHI JAIN	29	8	9	3.4	3.4	13.1	13.1	27	9	36	3.6	5.4	9.0	9.0	9.0	7	8.8	22	22.1	22.1						

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Sr. No.	Enrollment No.	Name	EME162																							
			Max. Marks																							
						E/5+F/5	E/5+F/5	D/3+E/5+F/5	D/3+E/5+F/5	D/3+E/5+F/5					N/5* 40%	N/5* 60%	M/3	M/3	M/3	Total						
			30	10	10	4	4.0	14.0	14.0	14.0	30	10	40	5	5	10	10	10	9	9	24	24	24			
EXP	VV	File	CO1	CO2	CO3	CO4	CO5	EXP	VV	I	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5						
41	TCA1809045	ITIKA JAIN	27	7	8	3	3.0	12.0	12.0	12.0	24	8	32	3.2	4.8	8.0	8.0	8.0	6.2	7.8	20	20.0	20.0			
42	TCA1809046	SHIVAM SAXENA	26	8	8	3.2	3.2	11.9	11.9	11.9	26	9	35	3.6	5.4	8.7	8.7	8.7	6.8	8.6	21	20.5	20.5			
43	TCA1809047	AMAN JAIN	25	8	10	3.6	3.6	11.9	11.9	11.9	23	9	32	3.6	5.4	7.7	7.7	7.7	7.2	9	20	19.6	19.6			
44	TCA1809048	AYUSHI JAIN	27	8	9	3.4	3.4	12.4	12.4	12.4	25	9	34	3.6	5.4	8.3	8.3	8.3	7	8.8	21	20.7	20.7			
45	TCA1809049	ARBAAB KHAN	26	9	9	3.6	3.6	12.3	12.3	12.3	22	9	31	3.6	5.4	7.3	7.3	7.3	7.2	9	20	19.6	19.6			
46	TCA1809050	SHASHANK JAIN	28	8	10	3.6	3.6	12.9	12.9	12.9	26	8	34	3.2	4.8	8.7	8.7	8.7	6.8	8.4	22	21.6	21.6			
47	TCA1809051	PRACHI JAIN	26	8	10	3.6	3.6	12.3	12.3	12.3	26	9	35	3.6	5.4	8.7	8.7	8.7	7.2	9	21	20.9	20.9			
48	TCA1809052	SHRESHTH PRATAP MALL	29	9	9	3.6	3.6	13.3	13.3	13.3	22	9	31	3.6	5.4	7.3	7.3	7.3	7.2	9	21	20.6	20.6			
49	TCA1809053	TUSHAR KUMAR YADAV	25	8	10	3.6	3.6	11.9	11.9	11.9	22	9	31	3.6	5.4	7.3	7.3	7.3	7.2	9	19	19.3	19.3			
50	TCA1809054	ASHISH KUMAR SINGH	23	9	8	3.4	3.4	11.1	11.1	11.1	21	8	29	3.2	4.8	7.0	7.0	7.0	6.6	8.2	18	18.1	18.1			
51	TCA1809055	SONIA JAIN	23	8	8	3.2	3.2	10.9	10.9	10.9	24	8	32	3.2	4.8	8.0	8.0	8.0	6.4	8	19	18.9	18.9			
52	TCA1809056	AFREEN AYYOOB	26	8	10	3.6	3.6	12.3	12.3	12.3	24	9	33	3.6	5.4	8.0	8.0	8.0	7.2	9	20	20.3	20.3			
53	TCA1809057	UDAY JAIN	25	9	10	3.8	3.8	12.1	12.1	12.1	28	9	37	3.6	5.4	9.3	9.3	9.3	7.4	9.2	21	21.5	21.5			
54	TCA1809058	YASH SINGH	24	6	9	3	3.0	11.0	11.0	11.0	24	8	32	3.2	4.8	8.0	8.0	8.0	6.2	7.8	19	19.0	19.0			
55	TCA1809067	ARJUN SHARMA	25	8	7	3	3.0	11.3	11.3	11.3	24	9	33	3.6	5.4	8.0	8.0	8.0	6.6	8.4	19	19.3	19.3			
56	TCA1809068	ASHUTOSH KUMAR	25	8	10	3.6	3.6	11.9	11.9	11.9	26	9	35	3.6	5.4	8.7	8.7	8.7	7.2	9	21	20.6	20.6			
57	TCA1809069	HARSH KUMAR SINGH	28	9	10	3.8	3.8	13.1	13.1	13.1	22	9	31	3.6	5.4	7.3	7.3	7.3	7.4	9.2	20	20.5	20.5			
58	TCA1809085	DEEPAK DIWAKAR	26	9	8	3.4	3.4	12.1	12.1	12.1	23	9	32	3.6	5.4	7.7	7.7	7.7	7	8.8	20	19.7	19.7			
59	TCA1809087	ABDUL AHAD	28	8	9	3.4	3.4	12.7	12.7	12.7	28	8	36	3.2	4.8	9.3	9.3	9.3	6.6	8.2	22	22.1	22.1			
60	TCA1809088	SHAQLAIN MUSTAQ	24	8	8	3.2	3.2	11.2	11.2	11.2	23	8	31	3.2	4.8	7.7	7.7	7.7	6.4	8	19	18.9	18.9			

Total marks COs

9	9	24	24	24
CO1	CO2	CO3	CO4	CO5
6.3	6.3	17	17	16.8
57	60	60	60	60

Target values>70

Students achieved target



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Benchmark and Attainment			
others of Students get more than target			1
50% of Students get more than target			2
70% of Students get more than target			3

Students Above Threshold				
	Cos	Students	%	Att.
	CO1	57	95	3
	CO2	60	100	3
	CO3	60	100	3
	CO4	60	100	3
	CO5	60	100	3

3

CO	PO1	PO2	PO3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
EME162CO1	1													
EME162CO2	2	2	3											
EME162CO3	3	2	2											
EME162CO4	2	3	3								1			
EME162CO5	2	2	2								1			
Average	2	2.3	2.5	0	0.0	0.0	0.0	0.0	0	0	1	0	0	0
Attainment	2	2.3	2.5	0	0	0	0	0	0	0	1	0	0	0


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