



**LOKNETE HON.HANMANTRAO PATIL CHARITABLE TRUST'S  
ADARSH INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE,VITA**

**(NAAC Accredited Institute)**

**A/P:** Khambale(Bha) Near Karve MIDC, Vita **Tal:** Khanapur **Dist:** Sangli.415311

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**Hon.Adv.Sadashivrao H Patil**



Ex.MLA. Founder

**Hon.Adv.Vaibhav S Patil**

President



**2.6.2: Attainment of POs and COs are  
evaluated.**

	LOKNETE HON. HANMANTRAO PATIL CHARITABLE TRUST'S <b>ADARSH INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE, VITA</b>	 AITRC
	<b>Degree Wing</b>	

### CO - PO Mapping

**Class - B.Tech Mechanical      Course - Manufacturing Processes III      Course Teacher - Mr. V. D. Jadhav**

PO 1	Apply the knowledge of mathematics, basic sciences, and mechanical engineering to the solution of complex engineering problems.
PO 2	Identify, formulate, research literature, and analyze complex mechanical engineering problems reaching substantiated conclusions.
PO 3	Design solutions for complex engineering problems and design mechanical system components that meet the specified needs.
PO 4	Use mechanical engineering research-based knowledge related to interpretation of data and provide valid conclusions.
PO 5	Create, select, and apply modern mechanical engineering and IT tools to complex engineering activities with an understanding of the limitations.
PO 6	Apply reasoning acquired by the mechanical engineering knowledge to assess societal and safety issues.
PO 7	Understand the impact of engineering solutions on the environment, and demonstrate the knowledge for sustainable development.
PO 8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO 9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO 10	Communicate effectively on complex engineering activities with the engineering community and with society at large.
PO 11	Understand the engineering and management principles and apply these to the multidisciplinary environments.
PO 12	Recognize the need for life-long learning in the broadest context of technological change.

### Course Outcomes:

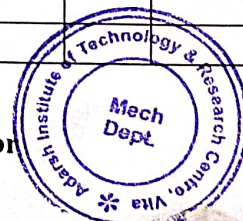
CO1	Differentiate clearly between NC and CNC machines
CO2	Prepare and execute a part program for producing a given product
CO3	Select appropriate non-traditional machining process for a given application
CO4	Compare different surface coating techniques
CO5	Explain different rapid prototyping techniques
CO6	Illustrate the working principle of various micro-manufacturing processes

### Mapping of CO with PO:

Course Outcomes	Program Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1									
CO2	1	1			1							
CO3	2	2	2									
CO4	2	2	1			1	1					1
CO5	1	1	1			1	1					
CO6	1	1	1			1						

*V. D. Jadhav*  
Course Teacher

*B. S.*  
Academic Coordinator



*B. S.*  
HoD



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AY: 2022-23 Odd Sem	Department - Mechanical	Class - B.Tech	Semester - VII
Course - Manufacturing Processes III	Course Code - BTMEC703	Course Teacher - Mr. V. D. Jadhav	

Sr. No.	Roll No.	Name of Student	CA I (10M)		CA II (10M)		MSE		MSE (20M)		ESE		End Semester Exam (60M)													
			CO 1,2,3,4		CO 5,6		20M		CO 1		CO 2		60M		CO 1		CO 2		CO 3		CO 4		CO 5		CO 6	
			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1	ME4001	KAMBLE VISHAL VILAS	7	7	7	7	15	7.5	7.5	8	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	ME4002	KARANDE AKSHAY SANJAY	8	7	7	7	16	8	8	8	42	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
3	ME4003	SHEDAGE VAIBHAV HARIBHAU	9	9	9	9	15	7.5	7.5	7.5	42	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
4	ME4004	KAMBLE SWAPNIL BAJIRAO	7	7	7	7	18	9	9	9	40	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
5	ME4005	PATIL ANANDA UTTAM	9	9	9	9	14	7	7	7	15	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
6	ME4006	YADAV ASHUTOSH ARUN	8	8	8	8	14	7	7	7	19	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17
7	ME4007	PATIL DIGVIJAY ANANDA	9	9	9	9	16	8	8	8	34	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67
8	ME4008	JADHAV PREMJEET DHANAJI	8	8	8	8	15	7.5	7.5	7.5	14	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33
9	ME4009	MANE SUMIT RAJENDRA	9	9	9	9	12	6	6	6	33	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
10	ME4010	KATKAR NIKHIL NAMDEV	8	8	8	8	15	7.5	7.5	7.5	27	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
11	ME4011	PAWAR ADITYA ANANDA	8	8	8	8	14	7	7	7	24	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
12	ME4012	RATHOD AKSHAY DHANAJI	7	7	7	7	15	7.5	7.5	7.5	28	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67
13	ME4013	GHUTUKADE SOMNATH BALU	7	7	7	7	7	7	7	7	30	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
14	ME4014	KADAM ROHAN ANANDA	9	9	9	9	15	7.5	7.5	7.5	33	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
15	ME4015	NIKAM KIRAN ASHOK	7	7	7	7	7	7	7	7	15	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
16	ME4016	SHINDE OMKAR VITTHAL	7	7	7	7	12	6	6	6	33	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
17	ME4017	VAGARE SACHIN MADHUKAR	8	8	8	8	17	8.5	8.5	8.5	27	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
18	ME4018	GHONATE YASH ARJUN	8	8	8	8	17	8.5	8.5	8.5	20	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33
19	ME4019	PATIL AKASH LAXMAN	9	9	9	9	15	7.5	7.5	7.5	19	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17
20	ME4020	PAWAR SHUBHAM ASHOK	9	9	9	9	18	9	9	9	34	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67
21	ME4021	PATOLE GOVIND MAHAVEER	9	9	9	9	18	9	9	9	24	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
22	ME4022	MANE ADITI MALOGI	9	9	9	9	19	9.5	9.5	9.5	33	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
23	ME4023	RADE ANKITA SUNIL	7	7	7	7	7	3.5	3.5	3.5	24	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
24	ME4024	UGALE SAYALI BALASO	8	8	8	8	16	8	8	8	24	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
25	ME4025	PATIL VAIBHAV BHAGAWAN	7	7	7	7	17	8.5	8.5	8.5	24	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
26	ME4026	SAWANT SUMIT MUKUND	9	9	9	9	17	8.5	8.5	8.5	22	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
27	ME4027	LAD PRATIK SUNIL	7	7	7	7	7	3.5	3.5	3.5	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	ME4028	SARGADE PRATIK PRAKASH	8	8	8	8	14	7	7	7	11	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
29	ME4029	JADHAV ATHARV PRAKASH	9	9	9	9	14	7	7	7	19	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17
30	ME4030	PAWAR AJINKYA ASHOK	7	7	7	7	17	8.5	8.5	8.5	38	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33
31	ME4031	RAJMANE AMOL VILAS	9	9	9	9	16	8	8	8	29	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83
32	ME4032	CHAVAN PRATHAMESH	7	7	7	7	15	7.5	7.5	7.5	34	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67
33	ME4033	KADAM RUSHIKESH YUVRAJ	7	7	7	7	15	7.5	7.5	7.5	26	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33
34	ME4034	TAMBEWAGH VISHAL GULABRAO	7	7	7	7	15	7.5	7.5	7.5	26	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33





35	ME4035	MANE KISHOR YASHWANT	7	7	16	8	8	38	6.33	6.33	6.33	6.33	6.33	6.33
36	ME4036	KADAM POOJA SUDHAKAR	8	8	18	9	9	24	4.00	4.00	4.00	4.00	4.00	4.00
37	ME4037	SHAIKH SURAJ NAUSHAD	7	7	17	8.5	8.5	33	5.50	5.50	5.50	5.50	5.50	5.50
38	ME4038	AWATI AMAR SUNIL	7	7	17	8.5	8.5	14	2.33	2.33	2.33	2.33	2.33	2.33
39	ME4039	PAWAR RUSHIKESH RAJENDRA	9	9	7	3.5	3.5	30	5.00	5.00	5.00	5.00	5.00	5.00
40	ME4040	PHALAKE MARUTEE GOPAL	7	7	7	3.5	3.5	0	0.00	0.00	0.00	0.00	0.00	0.00
41	ME4041	PATIL PRATIK SHRIDHAR	7	7	15	7.5	7.5	26	4.33	4.33	4.33	4.33	4.33	4.33
42	ME4042	PATIL DIGVIJAY ANIRUDDHA	6	6	7	3.5	3.5	19	3.17	3.17	3.17	3.17	3.17	3.17
43	ME4043	PATIL PRAMOD PRAKASH	6	6	7	3.5	3.5	37	6.17	6.17	6.17	6.17	6.17	6.17
44	ME4044	PATIL AADITYA BHARAT	7	7	7	3.5	3.5	24	4.00	4.00	4.00	4.00	4.00	4.00
45	ME4045	SANKPAL RAJAN SUNIL	7	7	7	3.5	3.5	0	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>			<b>351</b>	<b>351</b>	<b>619</b>	<b>309.5</b>	<b>309.5</b>	<b>1112</b>	<b>185.33</b>	<b>185.33</b>	<b>185.33</b>	<b>185.33</b>	<b>185.33</b>	<b>185.33</b>
<b>Average</b>			<b>7.8</b>	<b>7.8</b>	<b>13.76</b>	<b>6.88</b>	<b>6.88</b>	<b>24.71</b>	<b>4.12</b>	<b>4.12</b>	<b>4.12</b>	<b>4.12</b>	<b>4.12</b>	<b>4.12</b>
<b>out of</b>			<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>60</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

CO passing marks (out of 100) - 40%

*[Signature]*  
Subject Teacher

*[Signature]*  
Academic Coordinator



*[Signature]*

HoD