General Guidelines for conducting Academic & examination Activities

All the principals of the affiliated colleges in Engineering are hereby informed that the Detailed Schedule of the Term of Undergraduate (BE), Postgraduate (ME) in Engineering programs for Academic year 2023 – 24 will be as under:

Sr. No	Particular	ODD Semester Second Half 2023 SE,TE and BE	Particular	Even Semester First Half 2024 SE,TE and BE
1.	Working days for all Engineering Programs	TE and BE 10th July 2023 to 27th October 2023 SE 17th July 2023 to 3rd November 2023	Working days for all Engineering Programs	8th January 2024 to 19th April 2024
2.	Conducting Oral/Practical Examination	TE and BE 28th October to 9th November 2023 SE 4th November 2023 to 11th November 2023	Conducting Oral/Practical Examination	24th April 2024 to 7th May 2024
3.	Theory Examination SE, TE, BE (SEM III, V and VII)	22nd November 2023 to 6th December 2023	Theory Examination SE, TE, BE (SEM IV, VI, VIII)	13th May 2024 to 24th May 2024
4.	Theory Examination SE, TE, BE (SEM IV, VI, VIII)	8th December 2023 to 20th December 2023	Theory Examination SE, TE, BE (SEM III, V, VII)	27th May to 2024 to 7th June 2024
5.	Commencement of New Term	8th January 2024	Commencement of New Term	8th July 2024

All Faculty should be available for examination and assessment duties as required.

- All colleges should conduct Internal Assessment Test I & II on completion of approximately 40% and 70% of syllabus respectively

Date:

Associate Dean
Faculty of Science & Technology
University of Mumbai

General Guidelines for conducting Academic & examination Activities

All the principals of the affiliated colleges in Engineering are hereby informed that the Detailed Schedule of the Term of Undergraduate First Year (FE), Postgraduate (ME) in Engineering programs for Academic year 2023 – 24 will be as under:

Sr. No	Particular	ODD Semester Second Half 2023 FE and ME	Particular	Even Semester First Half 2024 FE and ME
1.	Working days for all Engineering Programs	7th August 2023 to 30th November 2023	Working days for all Engineering Programs	8th January 2024 to 19th April 2024
2.	Conducting Oral/Practical Examination	1st December to 9th December 2023	Conducting Oral/Practical Examination	24th April 2024 to 7th May 2024
3.	Theory Examination FE, ME (SEM I)	13th December to 22nd December 2023	Theory Examination SE, TE, BE (SEM II)	13th May 2024 to 24th May 2024
4.	Commencement of New Term	8th January 2024	Commencement of New Term	8th July 2024

- All Faculty should be available for examination and assessment duties as required.
- All colleges should conduct Internal Assessment Test I & II on completion of approximately 40% and 70% of syllabus respectively

Date:

Associate Dean
Faculty of Science & Technology
University of Mumbai

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Atma Malik Institute of Technology & Research (AMRIT)

ACAD-DI-03	**Institute Academic Calendar Calendar**	Academic Year: 2023-24
Rev : 00		Semester: Odd/Even
Date: 11-7-2022		

Sr. No.	Activity	Activity Details	In charge Staff	Planned Date	Conduction date	Remarks in case of any deviation
1	Commencement of classes (TE, BE and SE)		HODS	10.07.2023 and 17.07.2023 respectively	10.07.2023 and 17.07.2023 respectively	
2	Orientation program for students and parents of first year		HODs and Departmental coordinator/staff	After the completion of centralized admission process		
3	Orientation program for students and parents of Direct second year			After the completion of centralized admission process		
4	Fresher's / Welcome party for first year and direct second year students			After two weeks of the completion of centralized admission process		
5	Orientation program for newly joined faculty members			01-08-2023		
6	Monthly attendance report			12.08.2023		
7	Independence Day			15-08-2023		
8	Teachers' Day			05-09-2023		
9	Monthly attendance report			12.09.2023		
10	Internal Assessment-I			13-09-2023 to 16-09-2023		
11	Engineers' day			15-09-2023		
12	Mid term break (Ganesh Chaturthi)			19-09-2023 to 23.09.2023		
13	NSS Day			24-09-2023		
14	Mahatma Gandhi Jayanti			02-10-2023		
15	Monthly attendance report			12.10.2023		
16	Internal Assessment-II			26-10-2023 to 28-10-2023		

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17	Display Detention List (Odd sem)			29.10.2023		
18	Term work submission			30-10-2023 to 31-10-2023		
19	Oral/practical			02-11-2023 to 10-11-2023		
20	Preparation Leave			11-11-2023 to 20-11-2023		
21	End semester Examination			21-11-2023 t0 04-12-2023		
22	1 week FDP			18-12-2023 to 23-12-2023		
23	NSS Camp			23-12-2023 to 30-12-2023		Tentative
24	Commencement of classes (Second Semester)			08.01.2024		
25	National Youth day			12-01-2024		
26	National Voters' day			25-01-2024		
27	Republic Day			26-01-2024		
28	Display Monthly attendance			07-02-2024		
29	Chhatapati Shivaji Maharaj Jayanti			19-02-2024		
30	A national level technical events for students by Mech, Civil, E& TC & Comp dept			24-02-2024 to 25-02-2024		
31	Internal Assessment-I			26-02-2024 to 28-02-2024		
32	National Science Day			28-02-2024		
33	National Sports day			29-02-2024		
34	Display Monthly attendance			06-03-2024		
35	World women's day			08-03-2024		
36	Sports week (Indoor and outdoor sports events)			26-03-2024 to 31-03-2024		
37	Amritstov			27-03-2024 to 20-04-2024		Tentative
38	Dr Ambedkar Jayanti			14-04-2024		

39	Internal Assessment II			15-04-2024 to 17-04-2024	
40	Display Detention List (Even sem)			18.04.2024	
41	Term work submission			18.04.2024 to 20.04.2024	
42	Oral/practical			24-04-2024 to 07-05-2024	
43	Preparation Leave			08-05-2024 to 12-05-2024	
44	End semester Examination			13-05-2024 to 24-05-2024	
45	Farewell function for faculty members leaving the Institute			As and when applicable	

SUMMARY

No of Events Planned	No of Events Conducted	Percentage of Completion

Dr. Sachin Munde
Academic Dean

Prof. Govind Chavan
Vice Principal

Dr. D.D. Shinde
Principal

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Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-04 Rev : 00 Date: 11-7-2022	**Departmental Event Calendar**	Academic Year: 2023-24 Semester: ODD

Date of Preparation: 02/07/2023

Sr. No.	Activity	Activity Details	In charge Staff	Planned Date	Conducted date	Remarks in case of any deviation
1.	Departmental meeting	Arrange the meeting with HOD and discuss the Department problems	All Staff Members	03/07/2023	03/07/2023	
2.	Commencement of classes (SE, TE, BE)	Lesson plan, Practical plan, and syllabus for first unit test must be prepared before commencement of term.	All Staff Members	10/07/2023	12/07/23	
3.	HOD's address to students of SE, TE & BE	Start ODD Semester	H.O.D.	10/07/2023	10/7/2023	
4.	Departmental meeting	Arrange the meeting with HOD and discuss the Department problems	All Staff Members	12/07/2023	12/07/23	
5.	Mentor meeting	Arrange the tutor meeting and discuss the students their problems	Respective tutor teacher	28/07/2023	28/07/23	
6.	Display of Student Attendances	Display of Student Attendances for SE/TE/BE	Class Coordinators	31/07/2023	31/07/23	
7.	Principal meeting	Arrange the meeting with Principal and discuss the Department problems	All Staff Members	04/08/2023	04/08/23	
8.	Departmental meeting	Arrange the meeting with HOD and discuss the Department problems	All Staff Members	07/08/2023	07/08/23	
9.	Guest Lecture	Arrange the guest lecture on Industry Expert	Staff Coordinator	17or18/08/2023	18/08/23	
10.	MESA welfare activity	Arrange Visit to Matoshree Adult Care center At Khadavali	Staff Coordinator	21/08/2023	21/08/23	
11.	Safety Awareness Program	Safety Awareness Program for SE/TE/BE	Staff Coordinator	22 or 28/08/2023		
12.	Departmental meeting	Arrange the meeting with HOD and discuss the Department problems	All Staff Members	22/08/2023	22/08/23	

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Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

13.	Work Shop / FDP	Arrange the 5-6 days FDP on How to write Research Paper	Staff Coordinator	23/08/2023-27/08/2023	6 Sept to 12 Sept	Delay for Advertisement Completed
14.	MESA Welfare activity	Arrange National sports day activity	Staff Coordinator	29/08/2023	29/08/23	
15.	Departmental meeting	Arrange the meeting with Departmental staffs and discuss the Department problems	All Staff Members	31/08/2023	31/08/23	
16.	Students Attendances & Defaulter List	Display of Students Attendances & Defaulter List for SE/TE/BE	Class Coordinators	31/08/2023	31/08/23	
17.	Internal Assessment -I	Internal Assessment -I for SE/TE/BE	All Staff Members	Sept 2023	13/09-15/09	
18.	Students Mid Sem Feedback	Students Mid Sem Feedback for SE/TE/BE	Dept. Academic Coordinator	06/09/2023	06/09/23	
19.	Departmental meeting	Arrange the meeting with Departmental staffs and discuss the Department problems	All Staff Members	08/09/2023	08/09/23	
20.	Industrial Visit	Industrial Visit for SE/TE/BE	Staff Coordinator	Ist week of Sept 2023	act end	Industrial Visit 19/10/23
21.	Display of IA-1 Result	Display of IA-1 Result for SE/TE/BE	Dept. Exam Coordinator	Sept 2023	Sept 2023	
22.	Parents Meet	Arrange the meeting with Departmental staffs and Parents to discuss the students problems	All Staff Members & H.O.D	15/09/2023	3rd week of act	
23.	Guest Lecture	Arrange the guest lecture for SE/TE/BE	Staff Coordinator	2nd week of Sept 2023	2nd week of oct	Webinar 14/10/2023
24.	Provisional Detention List	Display of Provisional Detention List for SE/TE/BE	Class Coordinators	30/09/2023	30/09/23	
25.	Departmental meeting	Arrange the meeting with Principal and discuss the Department problems	All Staff Members & H.O.D	30/09/2023	30/9/23	
26.	Students End Sem Feedback	Students End Sem Feedback for SE/TE/BE	Dept. Academic Coordinator	23/10/2023	23/10/23	
27.	Add on Course	Arrange Add on course for SE/TE/BE	Staff Coordinator	Oct. 2023	←	
28.	Internal Assessment -II	Internal Assessment -II for SE/TE/BE	All Staff Members	Oct. 2023	Oct 2023	
29.	Display of IA-II Result	Display of IA-II Result for SE/TE/BE`	Dept Exam Coordinator	Oct. 2023	Oct 2023	

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Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

30.	Departmental meeting	Arrange the meeting with Departmental Staffs and discuss the Department problems	All Staff Members & H.O.D	18/10/2023	18/10/23	
31.	Conclusion of Teaching	Syllabus Coverage, IA-I, IA-II Result, Extra Lecture	All Staff Members & H.O.D	Oct. 2023	Oct 2023	
32.	Term Work Submission	Term Work Submission for SE/TE/BE	All Staff Members	Oct. 2023	30/10/23 - 31/10/23	
33.	OR/PR Examination	Conduction of OR/PR Examination	All Staff Members	Oct. 2023	2/10/23 - 09/10/23	
34.	End Sem Examination	University Examination for SE/TE/BE	All Staff Members	Oct. 2023	Nov 2023	
35.	Departmental meeting	Arrange the meeting with Principal and discuss the Department problems	All Staff Members & H.O.D	13/11/2023		

SUMMARY

No of Events Planned	No of Events Conducted	Percentage of Completion
35	34	97.14 %

Prepared by	Co-ordinator	HOD	Principal
Prof. R. S. Gaikwad	Prof. R. S. Gaikwad	Dr. G. D. Sonawane	Dr. D. D. Shinde

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-06	**Subject Choice**	Academic Year: 2023-24
Rev : 00		Semester: DDD
Date: 11-7-2022		

Date: 1/07/2023

Sr. No.	Name of Faculty	Choice 1 [Year-Subject]	Choice 2 [Year-Subject]	Choice 3 [Year-Subject]	Sign of Faculty
1.	Prof. G.E. Chavan	FEA	SOM	CAMD	
2.	Dr. G. D. Sonawane	MMC	MM		
3.	Prof. U. V. Patil	VS	PLCM		
4.	Dr. Shyam Chaudhary	TD	CAMD	TE	
5.	Prof. R.S. Gaikwad	DMS	FEA	DOE	
6.	Prof. M. A. Salunke	PP	CAMD	LSCM	
7.	Prof. S. M. Patil	MCD	DOM	PP	
8.	Prof. Bijawe	EM-III			
9.	Prof.H Sonawane	PCE			
10.	Prof. Sarvesh Mehendale	ED			

HOD

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-05	**Elective Choice**	Academic Year: 2022324
Rev : 00		Semester: odd
Date: 11-7-2022		

Date: 10-7-2023

Class: BE

All the Students of Mechanical department are hereby informed that they have to give their Elective choice in the prescribed format with the help of following Elective Subject list.

Eletive1(DLOC III)	Elective2 (DLOC IV)	Elective3 (ILOC I)
1.AutomotivePower Systems	1. Machinery Diagnostics	1. Product Lifecycle Management
2.RenewableEnergy Systems	2. Vibration Controls	2. Reliability Engineering
3 Vehicle Systems	3. Advanced Vibration	3 Cyber Security and Laws
		4. Research Methodology
		5. Disaster Management and Mitigation Measures
		6. IPR and Patenting Energy Audit and Management
		7. Digital Business Management
		8. Development Engineering

Roll No.	Name of Student	Elective I	Elective II	Elective III	Student Signature
01	Aatar Jasmin Asif	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
02	Adhikari Yadnesh Sunil	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
03	Bhalerao Shreyas Dattatray	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
04	Bhoir Pooja Raghunath	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
05	Bhoir Viresh Suresh	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
06	Bhovare Sahil Santosh	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
07	Chaudhari Chandan Vilas	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

08	Chile Girish Rajendra	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
09	Dalvi Nitin Pandharinath	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
10	Dalvi Sameer Krushna	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
11	Dhodade Ishvar Shantaram	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
12	Gharat Ashish Subhash	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
13	Gharat Manish Vishwanath	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
14	Gharat Ruchit Chandrakant	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
15	Jadhav Harshad Sitaram	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
16	Jadhav Mrunali Vilas	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
17	Jadhav Shubham Sanjay	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
18	Jadhav Suraj Balu	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
19	Kalaskar Shubham Subhash	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
20	Khale Sumit Suresh	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
21	Mahale Hemlata Raghunath	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
22	Malak Rohit Bhagwan	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
23	Mesty Abhiraj Pramod	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
24	Mope Pratik Ashok	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
25	More Kunal Ravindra	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
26	Muknak Suraj Subhash	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
27	Pargaonkar Saksham Madhukar	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
28	Patare Tejas Dattatray	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
29	Patel Jagdish Ramraj	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
30	Patil Abhijit Vitthal	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
31	Patil Bhavik Sudhakar	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
32	Patil Dahesh Bharat	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

33	Patil Nikhil Sahu	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
34	Patil Nirag Rajendra	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
35	Patil Omkar Suresh	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
36	Patil Prasad Kanti	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
37	Patil Sanket Vijay	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
38	Patil Tejas Dilip	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
39	Patil Vinit Mohan	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
40	Pawar Chaitali Krushna	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
41	Prajapati Vijay Karmnath	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
42	Rayat Mayuresh Eknath	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
43	Sapat Suraj Vijay	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
44	Sathe Imran Iqbal	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
45	Shelar Raj Nandkumar	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
46	Shelke Uttam Manohar	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
47	Sokande Rupesh Krishna	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
48	Tayade Ganesh Vasant	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
49	Thakare Shivam Tanaji	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
50	Thakare Vilas Ashok	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	
51	Gajakosh Vicky Anil	Vehicle Systems	Machinery Diagnostics	Product Lifecycle Management	

Class Coordinator

Prof. R. S. Gaikwad

HOD

Dr. G. D. Sonawane

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-05	**Elective Choice**	Academic Year: 2023-24
Rev : 00		Semester: odd
Date: 11-7-2022		

Date: 10-7-2023

Class: TE

All the Students of Mechanical department are hereby informed that they have to give their Elective choice in the prescribed format with the help of following Elective Subject list.

Eletive1(DLOC I)

1. Optimization Techniques
2. Design of Experiments
3. Computational Methods

Roll No.	Name of Student	Elective I	Student Signature
01	Dadhekar Sarthak Rashmikant	DOE	
02	Dhasade Rushikesh Vasudev	DOE	
03	Dupare Amol Suresh	DOE	
04	Garud Mayur Shrikant	DOE	
05	Goswami Satish Nanalal	DOE	
06	Jadhav Mayur Gurunath	DOE	
07	Jadhav Motilal Ramdas	DOE	
08	Kadam Viraj Mangesh	DOE	
09	Kushwah Deepak Ramesh	DOE	
10	Pachalkar Kailas Bharat	DOE	
11	Patil Bhavik Sunil	DOE	
12	Patil Manish Rajendra	DOE	
13	Raut Ganesh Suresh	DOE	
14	Raut Harshit Rajesh	DOE	
15	Raut Kunjan Nitendra	DOE	
16	Singh Suraj Ramsagar	DOE	

Class Coordinator

Prof. S. M. Patil

HOD

Dr. G. D. Sonawane

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Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-07 Rev : 00 Date: 11-7-2022	**Workload Distribution for ODD SEM AY 2023-24**	Academic Year: 2023-24 Semester: ODD

WEF: 10 /07/2023

Sr. No.	Name of the faculty	Sub.	Class	Th. Div.	Th.	Pr.	Tut.	No. of batches	Net Pr. Load	Total	Grand total	Sign of Faculty
1	Dr. D. D. Shinde	MAJOR PROJECT I	BE			2		2	4	4	4	
2	Prof. G. E. Chavan	SOM	SE		3				0	3	12	
		FEA	TE		3	2		1	2	5		
		MAJOR PROJECT I	BE			2		2	4	4		
3	Dr. G. D. Sonawane	MM	SE		3				0	3	14	
		MMC	TE		3				0	3		
		MAJOR PROJECT I	BE			2		2	4	4		
		MT	SE			2		2	4	4		
4	Prof. U.V. Patil	DLOC 3(VS)	BE		3				0	3	16	
		ILOC I (PLCM)	BE		3				0	3		
		MAJOR PROJECT I	BE			2		2	4	4		
		Maintenance Engineering	BE			2		3	6	6		
5	Prof. R. S. Gaikwad	DOE	TE		3				0	3	17	
		DMS	BE		4	2		3	6	10		
		MAJOR PROJECT I	BE			2		2	4	4		
6	Prof. S. M. Patil	DLOC 4 (MCD)	BE		3				0	3	18	
		DOM	TE		3	2		1	2	5		
		IS	BE			2		3	6	6		
		MAJOR PROJECT I	BE			2		2	4	4		
7	Dr. Shyam Chaudhary	TE	TE		3	2		1	2	5	16	
		TD	SE		3				0	3		
		CADM	SE			4		2	8	8		
8	Prof. M. A. Salunke	PP	SE		4				0	4	11	
		LSCM	BE		3				0	3		
		MAJOR PROJECT I	BE			2		2	4	4		
9	Prof. P.S.Bijwe	EM III	SE		3		1		0	4	4	
10	Prof. H. D. Sonawane	PCE II	TE			2+2		1	4	4	4	
Total					47	86			68	116	116	

Dr. G. D. Sonawane
HOD

Prof. G. E. Chavan
Vice Principal

Dr. S.M. Munde
Academic Dean

Dr. D. D. Shinde
Principal

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Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-08	**Master Time Table**	Academic Year 2023-24
Rev 00		Sem ODD
Date 11-07-2022		

Day	SEM	9:45-10:45	10.45:11:45	11:45-12:15	12:15-12:45	12:45-1:45	1:45-2:45	2:45-2:55	2:55-3:55	3:55-4:55
MON	III	MT PR A1 (GS)/ MINI PROJECT-1 A A2		Meditation	Lunch Break	PP (MS)	MM (GS)	Short Recess	TD (SC)	SOM (GC)
	V	DOM (SP)	DOE (RG)			TE (SC)	FEA (GC)		MINI PROJECT 2 A	
	VII	PLCM (UP)	LSCM (MP)			DMS PR A1 (RG)/ ME PR A2 (UP)/ IS PR A3 (SP)			MCD (SP)	DMS (RG)
TUE	III	CAMD A1 (SC)/ MSP A2 (WF)				MM (GS)	TD (SC)		PP (MS)	SOM (GC)
	V	DOE (RG)	DOM (SP)			FEA PR (GC)			MMC (GS)	TE (SC)
	VII	MCD (SP)	PLCM (UP)			DMS (RG)	DMS (RG)		DMS PR A2 (RG)/ ME PR A3 (UP)/ IS PR A1 (SP)	
WED	III	TD (SC)	EM III (PB)			PP (MS)	EM III TUT (PB)		MT PR A2 (GS) / MINI PROJECT I A A1	
	V	PCE II (HS)	MMC (GS)			DOM PR (SP)			FEA (GC)	TE (SC)
	VII	MAJOR PROJECT I				DMS (RG)	LSCM (MP)		MCD (SP)	PLCM (UP)
THU	III	PP (MS)	EM III (PB)			CAMD A2 (SC)/ MSP A1 (WF)			MM (GS)	SOM (GC)
	V	PCE II (HS)	FEA (GC)			DOM (SP)	DOE (RG)		TE PR (SC)	
	VII	DMS PR A3 (RG)/ ME PR A1 (UP)/ IS PR A2 (SP)				VS (UP)	VS (UP)		LSCM (MP)	Library
FRI	III	EM III (PB)	LIB / MENTOR MEETING			CAMD A1 (SC)/ MSP A2 (WF)			CAMD A2 (SC)/ MSP A1 (WF)	
	V	MMC (GS)	LIB / MENTOR MEETING			PCE II PR (HS)			MINI PROJECT 2 A	
	VII	VS (UP)	LIB / MENTOR MEETING			MAJOR PROJECT I			MAJOR PROJECT I	

Abbrivation-Subjects:	Staff Name
SE MECH	
EM III-Engineering Mathematics III	Prof. Prashant Bijwe
SOM- Strength of Materials	Prof. G. E. Chavan
PP- Production Process	Prof. M. A. Salunke
MM- Materials and Metallurgy	Dr. G. D. Sonawane
TD- Thermodynamics	Dr.S. K. Chaudhary
MT- Materials Testing	Dr. G. D. Sonawane
CAMD- CAD –Modeling	Dr.S. K. Chaudhary
MSP- Machine Shop Practice	Workshop Faculty/Instructor
MP I A- Mini Project 1 A	Learner

TE MECH	
MMC-Mechanical Measurements and Controls	Dr. G. D. Sonawane
TE- Thermal Engineering	Dr.S. K. Chaudhary
DOM- Dynamics of Machinery	Prof. S. M. Patil
FEA- Finite Element Analysis	Prof. G. E. Chavan
DOE- Design of Experiments	Prof. R. S. Gaikwad
PCE -II-Professional communication and ethics –II	Prof. Hemant Sonawane
Mini Project 2 A	Learner

Abbrivation-Subjects:	Staff Name
BE MECH	
DMS-Design of Mechanical Systems	Prof. R. S. Gaikwad
LSCM- Logistics Supply Chain Managment	Prof. M. B. Patil
DLOC 3 (VS)- Vehicle System	Prof. U. V. Patil
DLOC 4(MCD)- Machinery Diagnostics	Prof. S. M. Patil
ILOC I (PLCM)- Product Life Cycle Managment	Prof. U. V. Patil
ME- Maintenance Engineering	Prof. U. V. Patil
IS- Industrial Skills	Prof. S. M. Patil
MAJOR PROJECT II	All Faculty

Atma Malik Institute of Technology & Research, Post-Atgaon, Tal-Shahapur, Dist-Thane

Prof. S. M. Patil
Time Table Incharge

Dr. G. D. Sonawane
HOD

Dr. S. M. Shinde
Academic Dean

Prof. G. E. Chavan
Vice Principal

Dr. D.D. Shinde
Principal

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Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-13	**Course Plan**	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Name of the staff : Prof. Rupali S. Gaikwad

Subject with code : Design of Mechanical System (MEC701)

Course : BE

Semester/Branch : VII /MECHANICAL

Academic Year : 2023-24

Prerequisites : Machine Design, CAD Modelling

Objectives : 1. To familiarize with the concept of system and methodology of system design.

2. To study system design of various systems such as Gear box, snatch block, belt conveyors, I.C. engine system and pumps

Outcomes : **Upon successful completion of this course, the learner will be able to …**

1. Apply the concept of system design.
2. Design of Gear box.
3. Design of hoisting mechanism of EOT crane,
4. Design belt conveyor systems
5. Design engine components such as cylinder, piston, connecting rod and crankshaft
6. Design pumps for the given applications

TEXT BOOKS:

REFERNCE BOOKS: 1. Design of machine Elements V.B Bhandari
2. Design Data-P.S.G.College of technology,
3. Mechanical Engineering Design Shigley J.E.
4. Engineering design Dieter G.E.

Lesson Plan:

Module/Chapter Name	Lecture No.	Topic Planned	Planned Date	Conducted Date	Delivery Method	CO Mapped	Remark
Introduction/Chapter 1	1	Methodology of Design	10/7/23	10/7/23	Chalk and Board/PPT's/Video	CO1	completed
	2	Morphology of design	11/7/23	11/7/23	Chalk and Board		completed
	3	Optimum design	11/7/23	11/7/23	Chalk and Board		completed
	4	System concepts in design.	12/7/23	12/7/23	Chalk and Board		completed
Design of Transmission Gear Box: /Chapter 2	5	Introduction Transmission Gear Box	17/7/23	17/7/23	Chalk and Board		completed
	6	Single stage gearbox	18/7/23	18/7/23	Chalk and Board		completed
	7	Two stage Gearbox	18/7/23	18/7/23	Chalk and Board		completed
	8	fixed ratio consisting of Design of spur	19/7/23	19/7/23	Chalk and Board		completed
	9	Design of helical gear	24/7/23	24/7/23	Chalk and Board		completed
	10	Design of bevel gear	25/7/23	25/7/23	Chalk and Board		
	11	worm and worm-	26/7/23	26/7/23	Chalk and Board		

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Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

		wheel gear pairs,	3.	-	chalk and Board		
	12	worm and worm-wheel gear pairs,	31/7/23	31/7/23	chalk and Board	CO2	completed
	13	Gear box housing layout	1/08/23	01/08/23	chalk & Board		Completed
	14	Gear box housing layout	1/08/23	02/08/23	chalk & Board		completed
	15	Gearbox housing design	2/08/23	02/08/23	chalk & Board		Completed
	16	Gearbox housing design	3/08/23	03/08/23	Smart Board		Completed
Design of Hoisting Mechanism/Chapter 3	17	Design of Snatch Block Assembly	07/08/23	07/08/23	Smart Board		completed
	18	Rope Selection	08/08/23	08/8/23	chalk & Board		completed
	19	Design of Sheave	09/08/23	09/08/23	chalk & Board		completed
	20	Design of Hook	14/08/23	14/08/23	chalk & Board	CO3	Completed
	21	Bearing for hook	16/08/23	14/08/23	Smart Board		Ext+Act
	22	cross piece	21/08/23	16/08/23	Smart Board		21 visit at matoshree V.
	23	Axle for sheave	22/08/23	22/08/23	Smart Board		Completed
	24	shackle plate,	22/08/23	22/08/23	Smart Board		Completed
	25	Design of rope drum	23/08/23	23/08/23	Smart Board		completed
	26	selection motor with transmission system	28/08/23	29/08/23	chalk Board		Guest Lecture Fire Safety
Design of Belt	27	Power requirement	29/08/23	29/8/2023	chalk & Board	CO4	Completed

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Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

Conveyors/ Chapter 4	28	selection of belt	29/08/23	5/09/23	Chalk & Board		Completed
	29	design of tension take up unit	04/09/23	5/09/23	Chalk & Board		Completed
	30	idler pulley	05/09/23	6/9/23	Chalk & Board		Completed
Engine Design (Petrol and Diesel)/ Chapter 5	31	Petrol Engine design	05/09/23	6/9/23	Chalk & Board	CO5	completed
	32	Cylinder	06/09/23	11/09/23	Chalk & Board		completed
	33	Piston with pins	11/09/23	12/09/23	Chalk & Board		Completed
	34	Piston with ring	12/09/23	12/09/23	chalk & Board		completed
	35	Connecting rod	12/09/23	12/09/23	Chalk & Board		PR Stat
	36	Crank shaft with bearing	13/09/23	15/09/23	Chalk & Board		UT-1 (13-15 sept) Paper pattern discussion 16 sept
	37	Diesel Engine-cylinder	18/09/23	18/09/23	Chalk & Board		completed
	38	Piston with pins and ring	25/09/23	25/09/23	chalk & Board		completed
	39	Connecting rod	26/09/23	26/09/23	chalk & Board		Completed
	40	Crank shaft with bearing	26/09/23	26/09/23	chalk & Board		completed
Design of Pump/ Chapter 6	41	Gear pump- Motor selection	27/09/23	27/09/23	chalk & Board	CO6	completed
	42	Gear design	3/10/23	4/10/23	chalk & Board		completed
	43	Shaft design and bearing selection	3/10/23	4/10/23	chalk Board		Extra lecture

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Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

	44	4 Casing and bolt design	4/10/23	4/10/23	Smart Board		completed
	45	Sizing of design of suction and delivery pipe	9/10/23	9/10/23	Smart Board		completed
	46	Centrifugal Pump-Suction and Delivery pipe	10/10/23	10/10/23	Smart Board		completed
	47	Design of Impeller, Impeller shaft	10/10/23	10/10/23	Smart Board		completed
	48	Design of Volute Casing	11/10/23	11/10/23	Smart Board		completed
Content Beyond Syllabus	49	Webinar on CRM	14/10/23	1			

Subject in charge **Academic Monitoring Committee** **HOD** **Principal**

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Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-14 A	**Practical / Lab Plan**	Academic Year: 2023-24
Rev : 00		Semester: EVEN
Date: 11-7-2022		

Course Code: MEL701	**Course Name:** Design of Mechanical System Lab	**Semester:** VII
Name of Faculty: Prof. Rupali Gaikwad		**Batch: -** A1

Exp. No.	Name of Experiment	Equipment's/ Software required	Planned Hrs.	Planned Dates	Date of Performance	Date of Assessment	Remark
1	2D drawing of gear box component using AutoCAD Software / Belt conveyroe	Auto CAD	2	10/7/23	17/7/23	7/8/23	completed
2	Assembly of Radial Engine using Catia Software	Catia V5	2	17/7/23	7/8/23	14/8/23	completed
3	Detailed Drawing of centrifugal pump	drawingSheet	2	7/8/23	14/8/23	4/9/23	completed
4	Additional course - Excel/JAVA etc	Excel, JAVA	2	14/8/23	4/9/23	11/9/23	completed

Name & Signature of Subject In-charge

Prof. R.S. Gaikwad

Name & Signature of HOD

ACAD-DI-38	**List of CO-PO-PSO**	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Date: 10/7/23

NOTE – CO may vary as per Subject Requirement
Subject Name – Design of Mechanical System (MEC701)
Semester – 7th
Class / Scheme – BE MECH/ Rev 2019 (C scheme)
The following Program Outcomes (POs) and Program Specific Outcome (PSOs) statements are considered to setup correlation with individual Courses Outcomes (COs).

PO	**Engineering Graduates will be able to:**
PO1	**Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.
PO2	**Problem Analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	**Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet t h e specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.
PO4	**Conduct investigations of complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions
PO5	**Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling to complex engineering activities, with an understanding of the limitations.
PO6	**The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	**Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	**Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
PO10	**Communication:** Communicate effectively on complex engineering activities with the engineering community and with t h e society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	**Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	**Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

At the time of graduation students should be able to do

PSO	At the time of graduation students should be able to do;
PSO1	Identify and Analyse problems in the field of Mechanical engineering including Design, Thermal and Manufacturing and develop appropriate solutions using modern tools
PSO2	Apply acquired professional skills, project management abilities and hands on experience in mechanical engineering and allied areas.

Course Outcomes: On completion of this course, the successful students should be able to:

SUBJECT: Design of Mechanical System (MEC701)

CO	Statement
CO1	Apply the concept of system design.
CO2	Select appropriate gears for power transmission on the basis of given load and speed.
CO3	Design material handling systems such as hoisting mechanism of EOT crane,
CO4	Design belt conveyor systems.
CO5	Design engine components such as cylinder, piston, connecting rod and crankshaft.
CO6	Design pumps for the given applications.

SUBJECT: Design of Mechanical System Lab (MEL 701)

CO	Statement
CO1	Apply the concept of system design.
CO2	Design of Gear box.
CO3	Design of hoisting mechanism of EOT crane,
CO4	Design belt conveyor systems
CO5	Design engine components such as cylinder, piston, connecting rod and crankshaft
CO6	Design pumps for the given applications

Subject In charge **Dept. Academic Coordinator** **HOD**

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Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-39 Rev : 00 Date: 11-7-2022	**CO-PO-PSO Mapping Sheet**	Academic Year: 2023-24 Semester: ODD

Date: 10/7/23

NOTE – CO-PO-PSO mapping may vary as per Subject Requirement

Subject Name – Design of Mechanical System (MEC701)

Semester – 7th

Class / Scheme – BE MECH/ Rev 2019 (C scheme)

Mapping between Course outcomes (COs) and the Program Outcomes (POs) and Program Specific outcomes (PSOs) is as in tables below;

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2
CO1	3	1	1		2				1		1	1	1	
CO2	2	1	2		2								2	1
CO3	2	2	2		2	1	1		1		2	1	1	2
CO4	2	2	2		2	1	1	1	1		2	1	1	2
CO5	2	3	3	3	2	3	3		1	1	1	1	1	1
CO6	3	2	3	2	2	2	1	1	2	2			3	2

Subject In charge

Dept. Academic Coordinator

HOD

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Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-39 Rev : 00 Date: 11-7-2022	**CO-PO-PSO Mapping Sheet**	Academic Year: 2023-24 Semester: ODD

Date: 10/7/23

NOTE – CO-PO-PSO mapping may vary as per Subject Requirement

Subject Name – Design of Mechanical System Lab (MEL701)

Semester – 7th

Class / Scheme – BE MECH/ Rev 2019 (C scheme)

Mapping between Course outcomes (COs) and the Program Outcomes (POs) and Program Specific outcomes (PSOs) is as in tables below;

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2
CO1	3	1	1		2				1		1	1	1	
CO2	2	1	2		2								2	1
CO3	2	2	2		2	1	1		1		2	1	1	2
CO4	2	2	2		2	1	1	1	1		2	1	1	2
CO5	2	3	3	3	2	3	3		1	1	1	1	1	1
CO6	3	2	3	2	2	2	1	1	2	2			3	2

Subject In charge

Dept. Academic Coordinator

HOD

"Sabka Malik Atma"
Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Mechanical Engineering

ACAD-DI-15 B
Rev : 00
Date: 11.07.2022

Consolidated Academic monitoring report

Academic Year: 2023 -24
Semester: ODD
Date of Preparation: 31.10.2023

Department: **Mechanical Engineering**

Sr. No	Class	Name of the subject	Name of the Faculty	No. of Lectures planned	No. of Lectures conducted	Extra lectures conducted	No. of Practical planned	No. of Practical conducted	% syllabus covered		Sign
									Theory	Practical	
1	SE	Engineering Mathematics-III	Prof. Prashant Bijwe	39	40	1	6	6	100%	100%	
2		Strength of Materials	Prof. G. E. Chavan	40	40	NA	NA	NA	100%	NA	
3		Production Processes	Prof. M. A. Salunke	52	52	NA	NA	NA	100%	NA	
4		Materials and Metallurgy	Dr. G. D. Sonawane	39	36	NA	NA	NA	92%	NA	Extra lecture Faculty Left
5		Thermodynamics	Dr.S. K. Chaudhary	39	39	NA	NA	NA	100%	NA	
6		MT- Materials Testing	Dr. G. D. Sonawane	NA	NA	NA	6	6	NA	100%	Faculty left / PR conducted attested
7		CAMD- CAD –Modeling	Dr.S. K. Chaudhary	NA	NA	NA	5	5	NA	100%	
8	TE	Mechanical Measurements and Controls	Dr. G. D. Sonawane	39	33	NA	NA	NA	95%	NA	
9		TE- Thermal Engineering	Dr.S. K. Chaudhary	39	39	NA	2	2	100%	100%	
10		DOM- Dynamics of Machinery	Prof. S. M. Patil	39	40	1	8	8	100%	100%	
11		FEA- Finite Element Analysis	Prof. G. E. Chavan	39	39	NA	8	8	100%	100%	
12		DOE- Design of Experiments	Prof. R. S. Gaikwad	39	39	NA	NA	NA	100%	NA	
13		PCE -II-Professional communication and ethics –II	Prof. Hemant Sonawane	26	26	NA	8	8	100%	100%	
14	BE	DMS-Design of Mechanical Systems	Prof. R. S. Gaikwad	48	50	2	4	4	100%	100%	
15		LSCM- Logistics Supply Chain Management	Prof. M. A. Salunke	39	39	NA	NA	NA	100%	NA	
16		DLOC 3 (VS)- Vehicle System	Prof. U. V. Patil	39	40	1	NA	NA	100%	NA	
17		DLOC 4(MCD)- Machinery Diagnostics	Prof. S. M. Patil	39	40	1	NA	NA	100%	NA	
18		ILOC I (PLCM)- Product Life Cycle Management	Prof. U. V. Patil	39	39	NA	NA	NA	100%	NA	
19		ME- Maintenance Engineering	Prof. U. V. Patil	NA	NA	NA	7	7	NA	100%	
20		IS- Industrial Skills	Prof. S. M. Patil	NA	NA	NA	5	5	NA	100%	

Dept. Academic Cordinator

HOD

"Sabka Malik Atma"
Vishwatmak Jangli Maharaj Ashram Trust's
Atma Malik Institute of Technology & Research (AMRIT)
Department of Mechanical Engineering

ACAD-DI-15 A
Rev : 00
Date: 11.07.2022
Department: **Mechanical Engineering**

Academic monitoring report (SEPT)

Academic Year: 2023 -24
Semester: ODD
Date of Preparation: 01.10.2023

Sr. No	Class	Name of the subject	Name of the Faculty	No. of Lectures planned	No. of Lectures conducted	Extra lectures conducted	No. of Practical planned	No. of Practical conducted	% syllabus covered		Sign
									Theory	Practical	
1	SE	Engineering Mathematics-III	Prof. Prashant Bijwe	12	12	NA	2	2	75%	75%	
2		Strength of Materials	Prof. G. E. Chavan	13	13	NA	NA	NA	70%	NA	
3		Production Processes	Prof. M. A. Salunke	12	12	NA	NA	NA	72%	NA	
4		Materials and Metallurgy	Dr. G. D. Sonawane	10	10	NA	NA	NA	65%	NA	
5		Thermodynamics	Dr.S. K. Chaudhary	10	10	NA	NA	NA	78%	NA	
6		MT- Materials Testing	Dr. G. D. Sonawane	NA	NA	NA	3	3	NA	45%	
7		CAMD- CAD –Modeling	Dr.S. K. Chaudhary	NA	NA	NA	3	3	NA	40%	
8	TE	Mechanical Measurements and Controls	Dr. G. D. Sonawane	10	5	NA	NA	NA	75%	NA	
9		TE- Thermal Engineering	Dr.S. K. Chaudhary	9	9	NA	2	2	80%	80%	
10		DOM- Dynamics of Machinery	Prof. S. M. Patil	7	7	NA	2	2	85%	85%	
11		FEA- Finite Element Analysis	Prof. G. E. Chavan	10	10	NA	2	2	83%	78%	
12		DOE- Design of Experiments	Prof. R. S. Gaikwad	10	10	NA	NA	NA	85%	NA	
13		PCE -II-Professional communication and ethics –II	Prof. Hemant Sonawane	8	8	NA	3	3	85%	85%	
14	BE	DMS-Design of Mechanical Systems	Prof. R. S. Gaikwad	14	14	NA	3	3	85%	90%	
15		LSCM- Logistics Supply Chain Management	Prof. M. A. Salunke	9	9	NA	NA	NA	80%	NA	
16		DLOC 3 (VS)- Vehicle System	Prof. U. V. Patil	8	8	NA	NA	NA	90%	NA	
17		DLOC 4(MCD)- Machinery Diagnostics	Prof. S. M. Patil	9	9	NA	NA	NA	85%	NA	
18		ILOC I (PLCM)- Product Life Cycle Management	Prof. U. V. Patil	10	10	NA	NA	NA	80%	NA	
19		ME- Maintenance Engineering	Prof. U. V. Patil	NA	NA	NA	2	2	NA	85%	
20		IS- Industrial Skills	Prof. S. M. Patil	NA	NA	NA	2	2	NA	85%	

Lectures conducted other staff

Faculty left Lectures conducted other staff

Dept. Academic Cordinator

HOD

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Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-15 A
Rev : 00
Date: 11.07.2022

Academic monitoring report (AUG)

Academic Year: 2023 -24
Semester: ODD
Date of Preparation: 01.09.2023

Department: **Mechanical Engineering**

Sr. No	Class	Name of the subject	Name of the Faculty	No. of Lectures planned	No. of Lectures conducted	Extra lectures conducted	No. of Practical planned	No. of Practical conducted	% syllabus covered		Sign
									Theory	Practical	
1	SE	Engineering Mathematics-III	Prof. Prashant Bijwe	12	12	NA	2	2	45%	45%	
2		Strength of Materials	Prof. G. E. Chavan	13	13	NA	NA	NA	40%	NA	
3		Production Processes	Prof. M. A. Salunke	15	15	NA	NA	NA	42%	NA	
4		Materials and Metallurgy	Dr. G. D. Sonawane	12	12	NA	NA	NA	45%	NA	
5		Thermodynamics	Dr.S. K. Chaudhary	12	12	NA	NA	NA	48%	NA	
6		MT- Materials Testing	Dr. G. D. Sonawane	NA	NA	NA	3	3	NA	45%	
7		CAMD- CAD –Modeling	Dr.S. K. Chaudhary	NA	NA	NA	3	3	NA	40%	
8	TE	Mechanical Measurements and Controls	Dr. G. D. Sonawane	10	10	NA	NA	NA	65%	NA	
9		TE- Thermal Engineering	Dr.S. K. Chaudhary	9	9	NA	3	3	60	65%	
10		DOM- Dynamics of Machinery	Prof. S. M. Patil	13	13	NA	3	3	65%	67%	
11		FEA- Finite Element Analysis	Prof. G. E. Chavan	13	13	NA	2	2	68%	50%	
12		DOE- Design of Experiments	Prof. R. S. Gaikwad	13	13	NA	NA	NA	65%	NA	
13		PCE -II-Professional communication and ethics –II	Prof. Hemant Sonawane	6	6	NA	4	4	60%	60%	
14	BE	DMS-Design of Mechanical Systems	Prof. R. S. Gaikwad	15	15	NA	3	3	65%	NA	
15		LSCM- Logistics Supply Chain Managemen	Prof. M. A. Salunke	12	12	NA	NA	NA	60%	NA	
16		DLOC 3 (VS)- Vehicle System	Prof. U. V. Patil	13	13	NA	NA	NA	55%	NA	
17		DLOC 4(MCD)- Machinery Diagnostics	Prof. S. M. Patil	11	11	NA	NA	NA	58%	NA	
18		ILOC I (PLCM)- Product Life Cycle Management	Prof. U. V. Patil	12	12	NA	NA	NA	66%	NA	
19		ME- Maintenance Engineering	Prof. U. V. Patil	NA	NA	NA	3	3	NA	70%	
20		IS- Industrial Skills	Prof. S. M. Patil	NA	NA	NA	3	3	NA	70%	

Dept. Academic Cordinator

HOD

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-15 A
Rev : 00
Date: 11.07.2022

Academic monitoring report (JULY)

Academic Year: 2023 -24
Semester: ODD
Date of Preparation: 01.08.2023

Department: **Mechanical Engineering**

Sr. No	Class	Name of the subject	Name of the Faculty	No. of Lectures planned	No. of Lectures conducted	Extra lectures conducted	No. of Practical planned	No. of Practical conducted	% syllabus covered		Sign
									Theory	Practical	
1	SE	Engineering Mathematics-III	Prof. Prashant Bijwe	8	8	NA	1	1	25%	15%	
2		Strength of Materials	Prof. G. E. Chavan	7	7	NA	NA	NA	20%	NA	
3		Production Processes	Prof. M. A. Salunke	7	7	NA	NA	NA	22%	NA	
4		Materials and Metallurgy	Dr. G. D. Sonawane	7	7	NA	NA	NA	25%	NA	
5		Thermodynamics	Dr.S. K. Chaudhary	6	6	NA	NA	NA	18%	NA	
6		MT- Materials Testing	Dr. G. D. Sonawane	NA	NA	NA	1	1	NA	15%	
7		CAMD- CAD –Modeling	Dr.S. K. Chaudhary	NA	NA	NA	1	1	NA	20%	
8	TE	Mechanical Measurements and Controls	Dr. G. D. Sonawane	8	8	NA	NA	NA	40%	NA	
9		TE- Thermal Engineering	Dr.S. K. Chaudhary	11	11	NA	1	1	35%	35%	
10		DOM- Dynamics of Machinery	Prof. S. M. Patil	8	8	NA	1	1	30%	30%	
11		FEA- Finite Element Analysis	Prof. G. E. Chavan	9	9	NA	1	1	30%	30%	
12		DOE- Design of Experiments	Prof. R. S. Gaikwad	10	10	NA	NA	NA	31%	NA	
13		PCE -II-Professional communication and ethics –II	Prof. Hemant Sonawane	4	4	NA	2	2	40%	35%	
14	BE	DMS-Design of Mechanical Systems	Prof. R. S. Gaikwad	12	12	NA	2	2	35%	35%	
15		LSCM- Logistics Supply Chain Management	Prof. M. A. Salunke	9	9	NA	3	3	30%	35%	
16		DLOC 3 (VS)- Vehicle System	Prof. U. V. Patil	9	9	NA	NA	NA	30%	NA	
17		DLOC 4(MCD)- Machinery Diagnostics	Prof. S. M. Patil	10	10	NA	NA	NA	31%	NA	
18		ILOC I (PLCM)- Product Life Cycle Management	Prof. U. V. Patil	9	9	NA	NA	NA	30%	NA	
19		ME- Maintenance Engineering	Prof. U. V. Patil	NA	NA	NA	2	2	NA	30%	
20		IS- Industrial Skills	Prof. S. M. Patil	NA	NA	NA	2	2	NA	20%	

Dept. Academic Cordinator

HOD

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Department of Mechanical Engineering

ACAD-DI-12	**Content Beyond Syllabus**	Academic Year: 2023-24
Rev : 00		Semester: Odd
Date: 11-7-2022		

Date of Preparation: 13.10.2023

Division/Class: BE **Subject:Design of Mechanical System** **Credits: 04**

Teaching Scheme: 4Hr/week **Examination Scheme:-100 Marks** **IA: 20 Marks** **ESE: 80 Marks**

CO: To introduce the concept, procedures, and data to analyze machine elements in power transmission systems.

Lecture Number	Topic to be covered (Relevancy with Syllabus and Beyond syllabus)	Teaching Media/ methodology	References	Expert	Online Link	Proposed date	Conducted Date	Remarks in case of any deviation
1	Practical Field session on (Engaging & Disengaging gear using clutch) Gear Box transmission fundamental	Practical Base	-	Prof. Ulhaskumar Patil	-	12/10/2023	13/10/2023	-

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Department of Mechanical Engineering

Summary:

AE(Academic Expert)	Name of Faculty	No of sessions Planned	No. of sessions Conducted	% Completion	Remark
AE(Academic Exper	Prof. Ulhaskumar Patil	1	1	100%	
SC(Subject Coordina	Prof. Rupali Gaikwad	1	1	100%	

Prof. Govind Chavan
HOD

Prof. Govind Chavan
Vice-Principal

Dr. Dnyandeo D. Shinde
Principal

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Report on Content beyond Syllabus

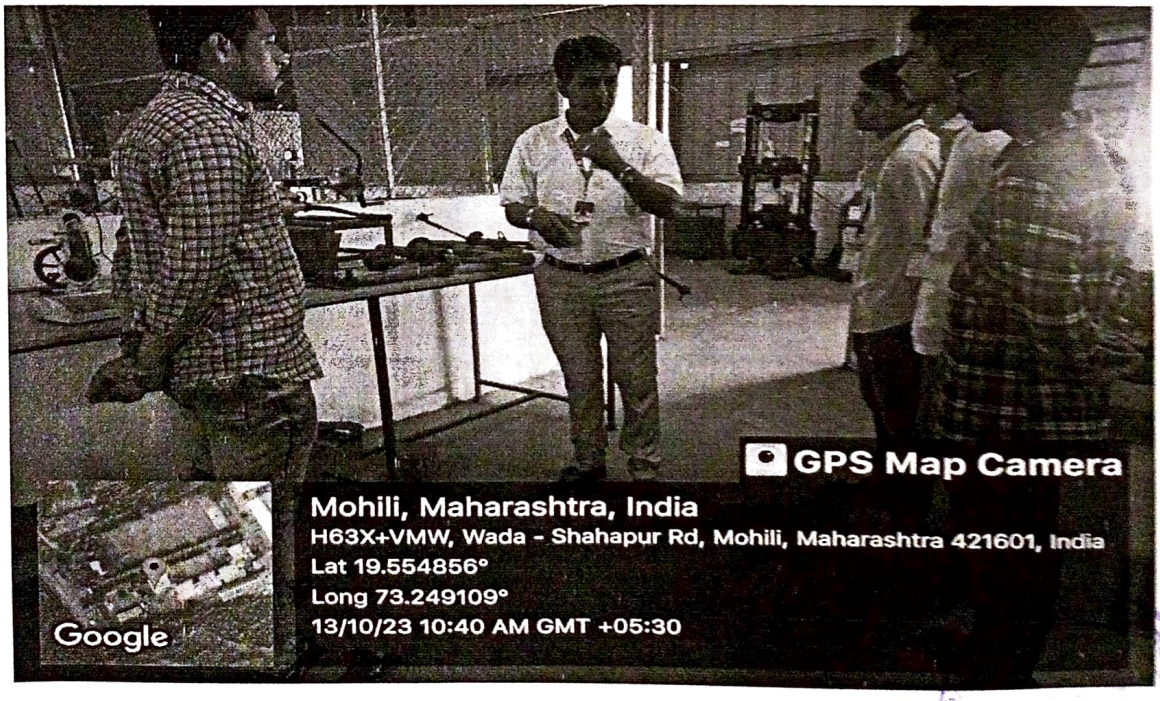
Subject Name: Design of Mechanical System

Topic Name: Gear box transmission Fundamentals

What are the objectives of gearbox?

The purpose of a gearbox is to increase or reduce speed. As a result, torque output will be the inverse of the speed function. If the enclosed drive is a speed reducer (speed output is less than speed input), the torque output will increase; if the drive increases speed, the torque output will decrease.

A gear is a machine element used to transmit motion between rotating shafts/wheels when the center distance between the shafts is not too large. They provide a positive drive, maintaining exact velocity ratios between driving and driven shafts. A transmission is a speed and power changing device installed at some point between the engine and driving wheels of the vehicle. It provides a means for changing the ratio between engine rpm (revolutions per minutes) and driving wheel rpm to best meet each particular driving situation. Given in order to get smooth starts and have power to pass and climb hills, a power ratio must be provided to multiply the torque and turning effort of the engine. Also required is a speed ration to avoid the need for extremely high engine rpm at high road speed. The transmission is geared to perform these functions.



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Types of Gears

Spur Gears

Helical Gears

Gear Rack

Bevel Gears

Miter Gears

Worm Gears

Screw Gears

Internal Gears

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What is the function of gearbox in transmission system?

The purpose of a gearbox is to increase or reduce speed. As a result, torque output will be the inverse of the speed function. If the enclosed drive is a speed reducer (speed output is less than speed input), the torque output will increase; if the drive increases speed, the torque output will decrease.

Conclusion: Gear drives are mechanisms used for transmitting shaft power from a driver such as an engine, turbine, or motor to a driven piece of machinery.

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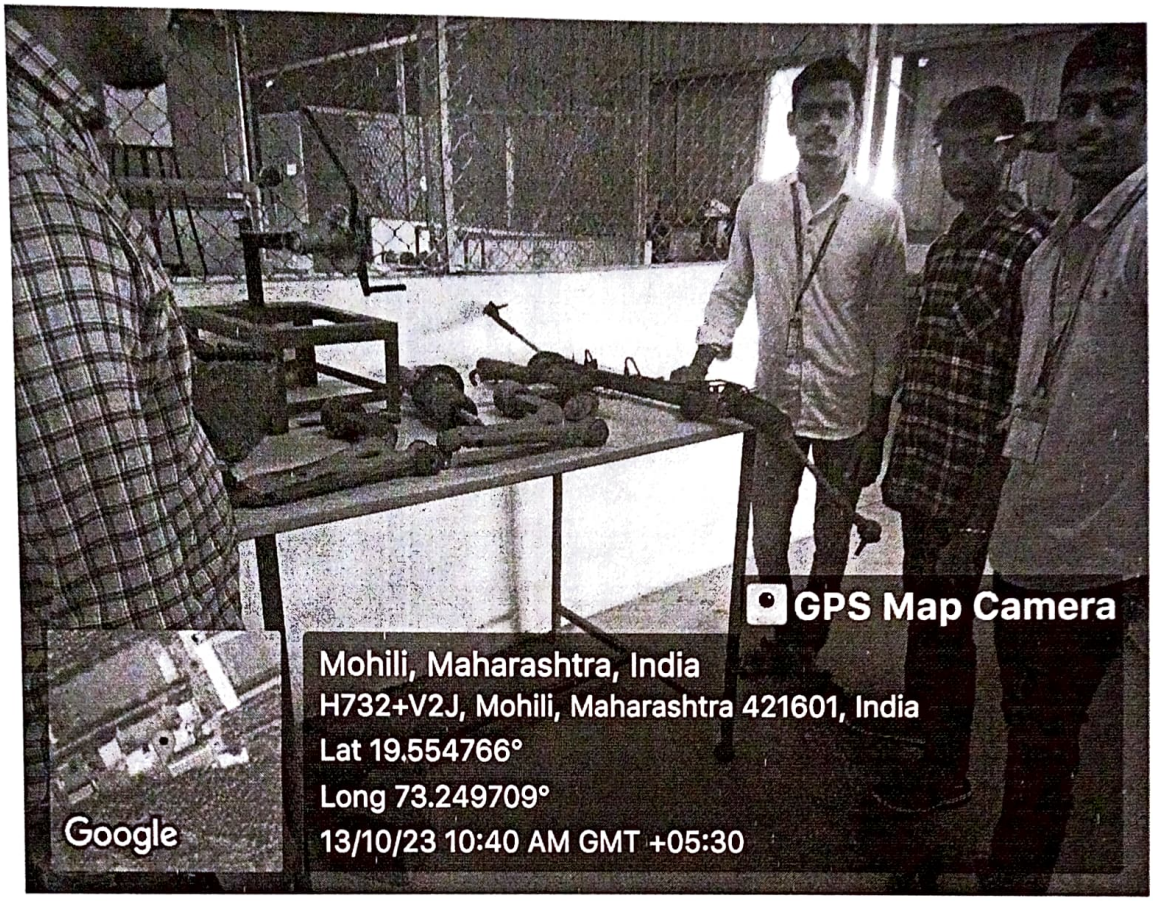

Vishwatmak Jangli Maharaj Ashram Trust, Local management Committee
Branch - Mohili - Aghai (Shahapur)
ATMA MALIK INSTITUTE OF TECHNOLOGY & RESEARCH
Formerly VISHWATMAK OM GURUDEV COLLEGE OF ENGINEERING
An ISO 9001 : 2008 Certified Institute
(Approved by – AICTE, A Statutory body under Ministry of HRD, Government of India)
Recognized by Govt. of Maharashtra, DTE & Affiliated to University of Mumbai (for Degree)
Affiliated to MSBTE (Diploma) M.S.B.T.E. code No. 1578

Department of Mechanical Engineering

Summary of Guest Lecture/ Expert Talk

Sr. No	Guest Lecture/ Expert Talk	Speaker	Date	No. of Students Attended	Remark
1	Webinar on "The Solar Revolution: Igniting Youth Entrepreneurship and Careers in Sustainable Energy"	Mr. Pratik Joshi	16-10-2023	**123**	Report Attached
2	Webinar on "Customer Relationship Management"	Dr. Nitin Patil	14-10-2023	**150**	Report Attached
3	Guest Lecture on "Training & Placement "	Prof. Amit Dalavi	28-09-2023	**45**	Report Attached
4	Expert lecture on "Fire Safety awareness"	Mr. Dinesh Godade	28-08-2023	**150**	Report Attached
5	Industrial Expert lecture on "Motivation and Industrial Awareness"	Mrs. Gauravi Burte	18-08-2023	**77**	Report Attached

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Department of Mechanical Engineering

ACAD-DI-59 Rev : 00 Date: 11-7-2022	**One Page Activity Report**	Academic Year: 2023-24 Semester: ODD

- **Faculty Name** – Prof. Rupali S. Gaikwad
- **Date** –16/10/2023 Timing 04.00 PM – 5.30 PM
- **Planned Activity – Webinar on "The Solar Revolution: Igniting Youth Entrepreneurship and Careers in Sustainable Energy"**
- **Speaker - Mr. Pratik Joshi (Phd)** Working in energy policy with a particular focus on solar PV energy at IIT Bombay
- **No. of Participants -**
- **Permission from Authorities** – Prof. Ulhaskumar Patil (HOD Mechanical)
- **Implementation Details** – Ensuring universal access to affordable electricity by 2030 means investing in clean energy sources such as solar, wind and thermal. Expanding infrastructure and upgrading technology to provide clean energy in all developing countries is a crucial goal that can both encourage growth and help the environment.
- **Issues – No**
- **Conclusion** – Sustainable energy is derived from resources that can maintain current operations without jeopardizing the energy needs or climate of future generations. The most popular sources of sustainable energy, including wind, solar and hydropower, are also renewable.
- **Attendance & Feedback Report- Attached**
- **Completion Report** -Webinar Successfully completed on 16/10/2023

Coordinator

Prof. R. S. Gaikwad

HOD

Prof.U. V. Patil

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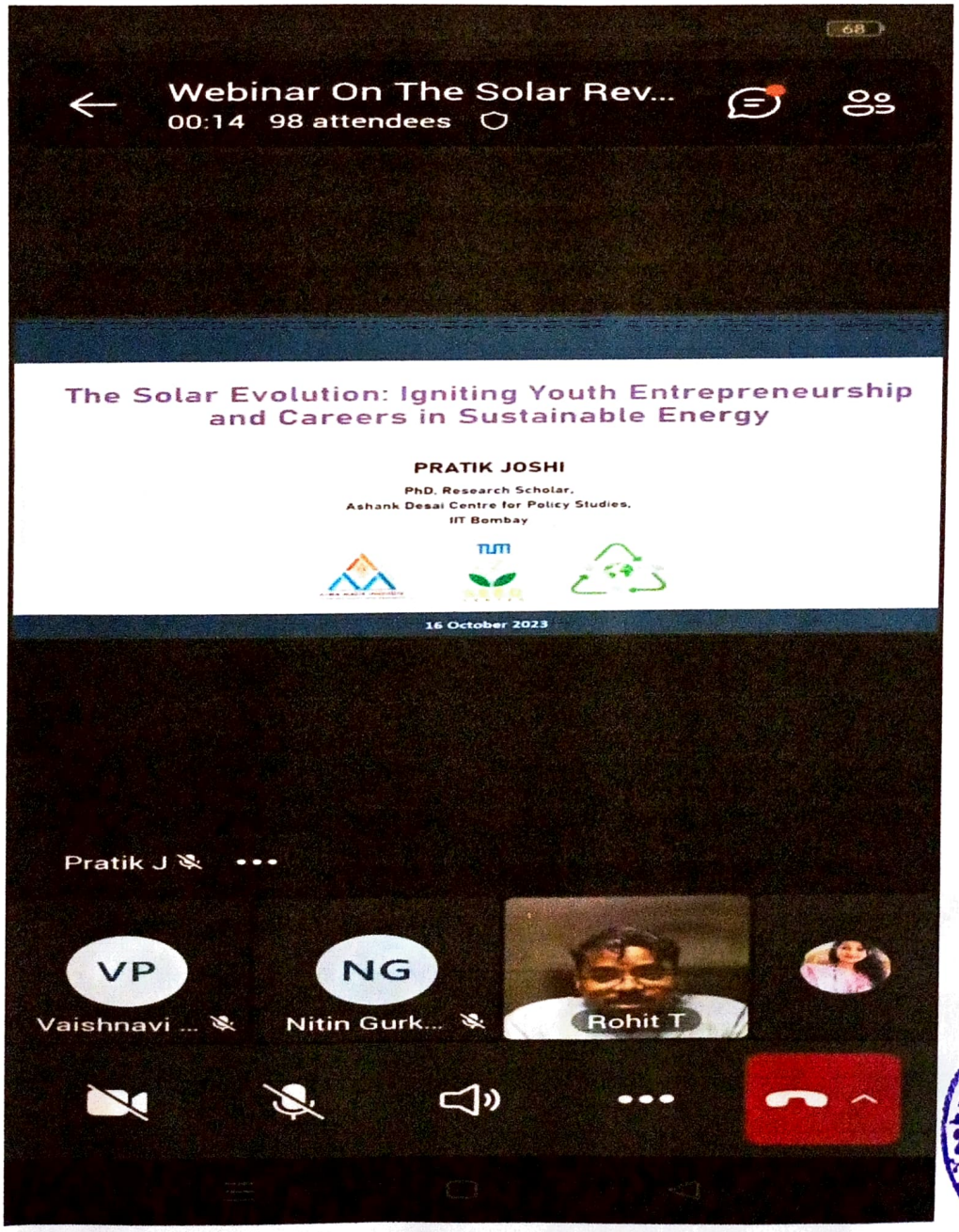
Department of Mechanical Engineering

Introduction

With the growing urgency to address climate change and shift towards sustainable energy solutions, there has never been a more critical time for the younger generation to get involved in the renewable energy sector. "The Solar Revolution" is designed to provide young minds with the knowledge, resources, and inspiration they need to kickstart their careers in sustainable energy or even start their own entrepreneurial ventures.



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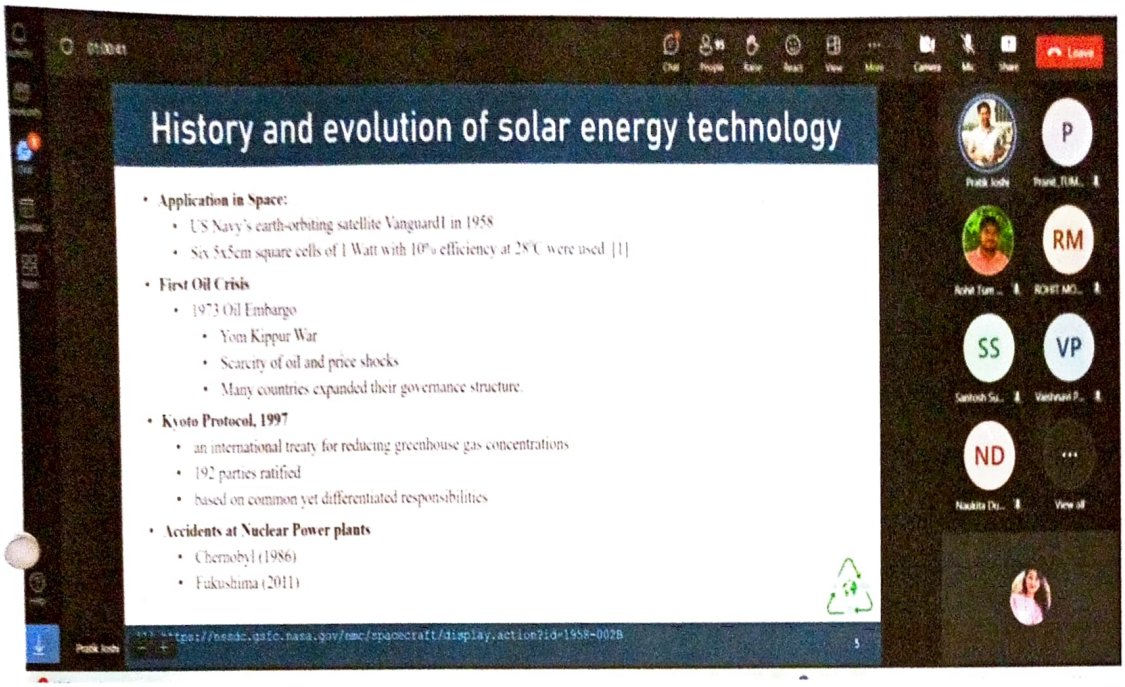

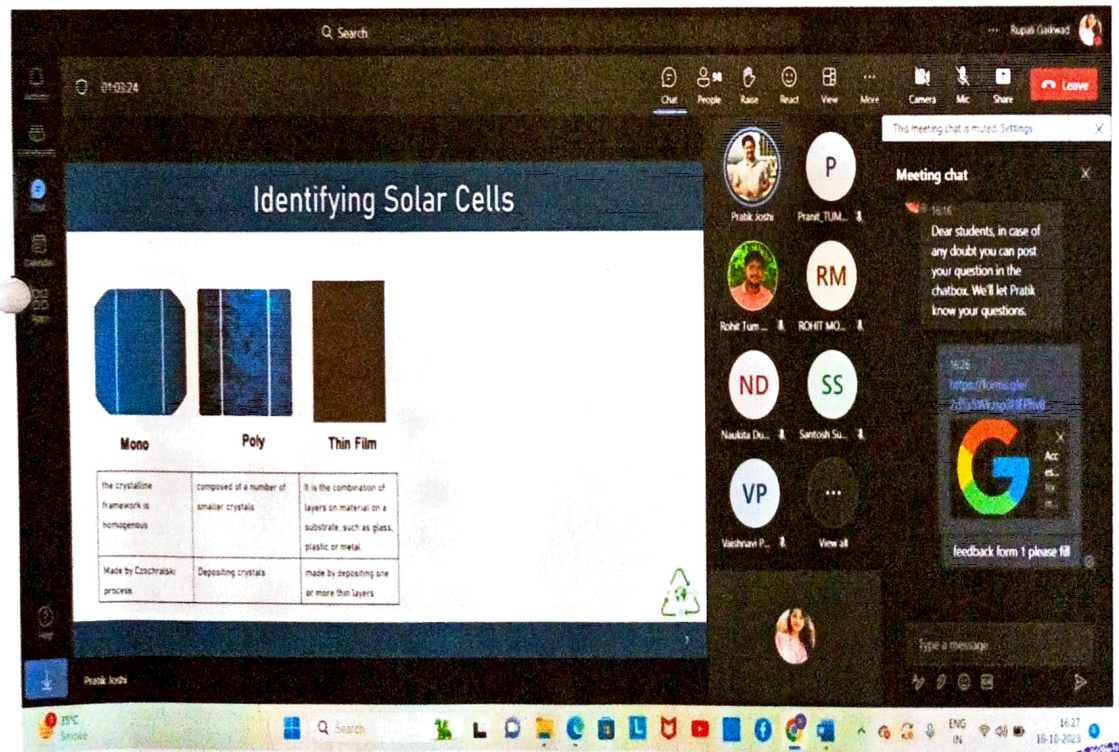

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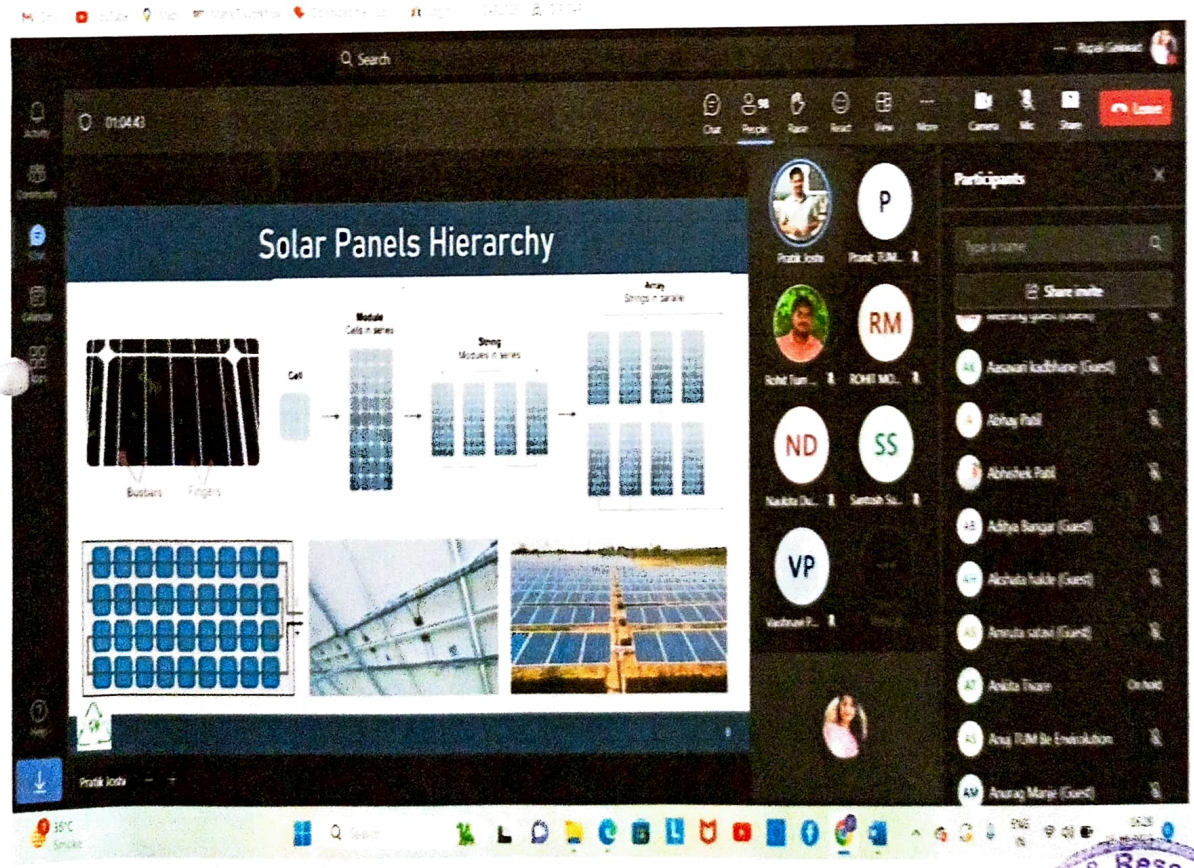
Key Highlights of the Event:

1. **Expert Speakers:** Hear from industry experts and thought leaders who will share insights into the solar energy industry, its growth potential, and the career opportunities it offers.
2. **Interactive Workshops:** Engage in hands-on workshops that will equip you with practical skills and knowledge in solar energy technologies and entrepreneurship.
3. **Networking Opportunities:** Connect with like-minded individuals, potential mentors, and employers in the renewable energy field.
4. **Career Guidance:** Get guidance on educational pathways, scholarships, and internships in the sustainable energy sector.
5. **Start-up Pitch Competition:** Have a sustainable energy business idea? Participate in our pitch competition for a chance to win seed funding and mentorship.



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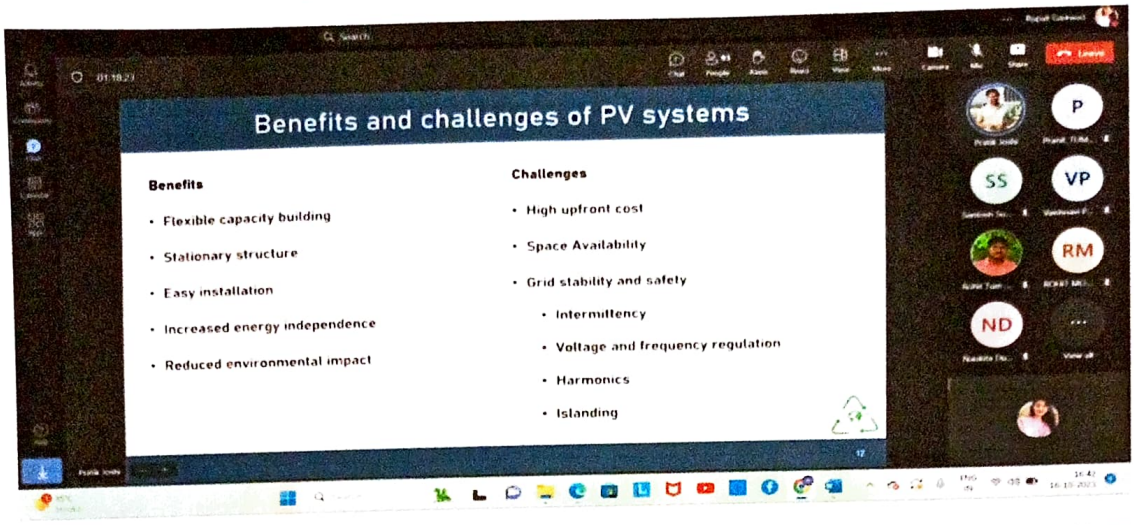

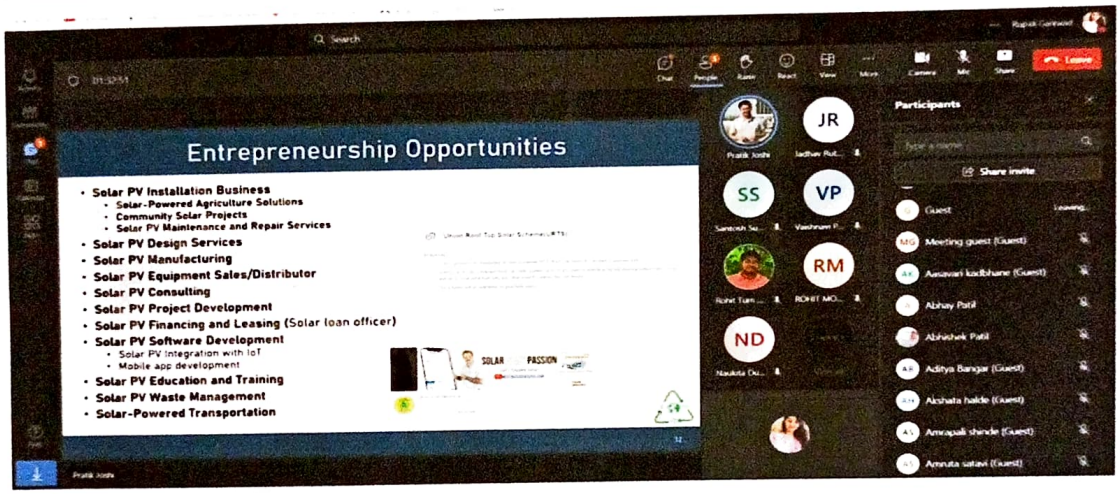

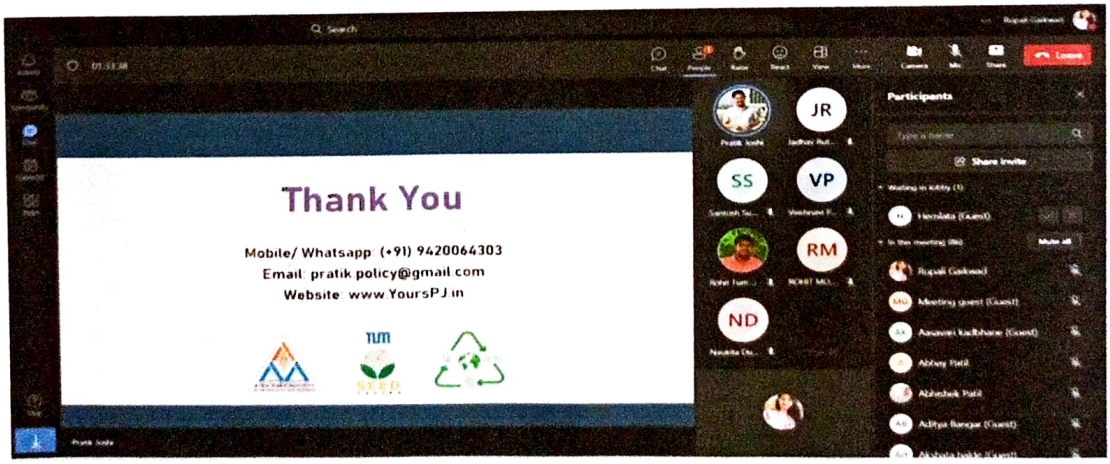

HOD

Prof. U. V. Patil

Atma Malik Institute of Technology & Research

Prineipal

Dr. D. D. Shinde

Principal

Atma Malik Institute of Technology & Research

At Moholi, Post-Aghai, Tal-Shahapur, Dist-Thane

mech
(Diploma + Degree)

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Department of Mechanical Engineering

ACAD-DI-	Webinar on "The Solar Revolution: Igniting Youth Entrepreneurship and Careers in Sustainable Energy Students Attendance	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Date: 16/10/2023

Sr. No	Students Name	Contact No	Class	Brach	Students Sign
1	Parth R. Dear	8767405379	SE	mech	
2	Abhay S. Diva	7020588990	SE	Mech	
3	Swapnil S Gangurde	7887664048	SE	Mech	
4	Siddhant M. Jambhale	7249284101	SE	Mech	
5	Sachin K. Bhagat	9011408736	SE	mech	
6	Khushal D. Chavan	7304175521	SE	Mech	
7	Tukaram S. Kavar	9421557004	SE	mech	
8	Jivan G. Lahare	9358210676	SE	Mech	
9	Akshay D. Bramhane	9322430199	SE	mech	
10	Ravikant Y Jadhav	7798812687	SE	Mech	
11	Viraj V. Naik	9657596491	SE	mech	
12	Viresh S. Bhoir	9761832370	BE	Mech	
13	Niket A. patil	9699508937	SE	Mech	
14	Swapnil R. Sahare	9373172430	SE	mech	
15	Karan A. Kashivale	8329340325	SE	Mech	
16	Deepak R. Kushwaha	7721972986	TE	mech	
17	Bhavik Sunil patil	9304024544	TE	mech	
18	manish rajendra patil	7387412442	~~BE~~TE	mech	
19	Mayur Gurunath Jadhav	7276184865	TE	Mech	
20	Amol Suresh Dupare	7620553854	TE	mech	
21	Sachin Dadlani	9356833027	TE	Mech	
22	Hemlata Mahale	9165199285	BE		
23	Vijay A. Thakare	8999992184	BE	mech	
24	Shivam Thakare	9511760960	BE	Mech	

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25	Sameer k Dalavi	9022763531	B.E	MECH	Dalavi
26	Nitin P Dalvi	9326854327	B.E	mech	
27	Kunal R. more	9819050958	B.E	mech	
28	Suraj S. muknak	7499938036	B.E	mech	
29	manish V. Gharat	8419004729	BE	ME	
30	shubham S. Jadhav	9637209206	BE	ME	
31	Ashish S. Ghorat	8652568942	BE	ME	
32	Ishvar S. Ohalade	8857060738	BE	ME	
33	Tejas D. Patil	9767832370	BE	Mech	
34	Ruchit c. Gharat	9921663088	BE	MEch	
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Department of Mechanical Engineering

ACAD-DI-18	**Internal Examination –I Time Table**	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Date: 12/09/2023

All the students **SE/TE/BE of SEM- III/V/VII of academic year 2023-24** are hereby informed that **Internal Assessment -I** is scheduled from 13/09/2023 to 15/09/2023.

Follow the time table as mentioned below:

Day & DATE	Time	Class	Subjects
13/09/2023 Wednesday	11:00 am- 12:00 pm	SE	EM III
		TE	TE
		BE	DMS
	3:00 pm-4:00 pm	SE	TD
		TE	DOM
		BE	LSCM
14/09/2023 Thursday	11:00 am- 12:00pm	SE	MM
		TE	FEA
		BE	VS
	3:00 pm-4:00 pm	SE	PP
		TE	DOE
		BE	MCD
15/09/2023 Friday	10:00 am-11:00 am	SE	SOM
		TE	MMC
		BE	PLCM

Prof. S. M. Patil
Dept. Exam co-ordinator

Dr. G. D. Sonawane
HOD

Dr. S. M. Munde
Academic Dean

Prof. G. E. Chavan
Vice-Principal

Dr. D. D. Shinde
Principal

Principal
Atma Malik Institute of Technology & Research
At.Moholi, Post.Asangaon, Tal.Murbad, Dist.Thane

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ACAD-DI-17	**Internal Assessment I Question Paper**	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Academic Year: 2023-24 Semesters: VII

Class: BE Branch: Mech

Time: 1hr Max Marks: 20

Subject: DMS Date: 13/09/2023

1. – Answer any TWO. 05*2=10M

Q.No.1	Questions	CO	BLOOMS Level	Marks
A	Illustrate the morphology of mechanical system design	CO1	L-02	5
B	Derive Lewis Equation for the beam strength of gear tooth.	CO2	L-04	5
C	Derive and expression for the breaking strength of the 6X37 type wire rope.	CO3	L-04	5

2. – Answer any ONE. 10*1=10M

Q.No. 2	Questions	CO	BLOOMS Level	Marks
A	Design a Bevel Gear pair for following Specifications: Rated Power= 40KW, Input Speed = 360 rpm, Reduction ratio= 3, Shaft Angle = 90°.	CO-2	L-04, L-05	10
B	The following specification refers to an EOT crane. Application- Class II Load to be lifted – 100KN Hoisting speed- 8m/min Maximum lift- 15m 1. Select suitable type and size of the wire rope for an expected life of 13 months 2. Design the pulley axle and select suitable bearing	CO-3	L-04, L-05	10

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ACAD-DI-21 Rev : 00 Date: 11-7-2022	**Exam Attendance and Mark Sheet**	Academic Year: 2023-24 Semester: ODD

Class: BE **Subject:** DMS **Date:** 13/09/023

Sr. No.	Roll No.	Name	Student Sign	Marks obtained
1		Viresh S Bhoie		20
2		Sahil S Bhovale	Sahil	10
3		Sameer K. Dalavi	Dalavi	13
4		Ashish S. Gharat		16
5		manish V. Gharat		16
6		Harshad S. Jadhav		18
7		Shubham S. Jadhav	Sjadhav	09
8		Suraj B. JadhaV		04
9		Abhijeet Vitthal Patil		08
10		Niraj Rajendra Patil.	Raul	19
11		Sanket Vijay Patil		19
12		Tejas Dilip Patil		15
13		Chaitali Krushna Pawar		05
14		Suraj Vijay Sapat		08
15		Vilas Ashok Thakare		11
16		Bhavik Sudhakar patil		10
17		Ishvar Ghanteram Dhadade		12
18		Ruchit chandrakant Gharat		13
19		suraj subhash Muknak		15
20		Vinit Mohan Patil		09
21		Yadnesh Sunil Adhikari		09
22		Mrunali Mor Vilas Jadhar		09
23		Shivam Tanaji Thakare		18
24		Ganesh Vasant Tayade		17
25		Mayuresh Eknath Rayat		14
26		Shubham subhash kulaskar		09
27		Pratik Ashok Mope		09
28		Tejas Dattatray Pabare		09
29		Kunal More		02
30		Vicky Anil Gajakosh		11
31		Saksham M. Pargaonkar		17
32		Vijay Karmnath Prajapati		08
33				

Supervisor's Name	No of students Appeared	Present	Absent	Sign
Sonali Patil		32		

Subject Teacher Name	No of students Pass	Fail	% Pass	Sign
Prof. R. Gaikwad	28	04	87.5%	

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ACAD-DI-18	**Internal Examination –II Time Table**	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Date: 23/10/2023

All the students of **SE/DSE/TE/BE of SEM- III/V/VII of academic year 2023-24** are hereby informed that **Internal Assessment -II** is scheduled from 26/10/2023 to 28/10/2023.

Follow the time table as mentioned below:

Day & DATE	Time	Class	Subjects
26/10/2023 Thursday	11:00 am- 12:00 pm	SE	EM III
		TE	TE
		BE	DMS
	3:00 pm- 4:00 pm	SE	TD
		TE	DOM
		BE	LSCM
27/10/2023 Friday	11:00 am- 12:00 pm	SE	MM
		TE	FEA
		BE	VS
	3:00 pm- 4:00 pm	SE	PP
		TE	DOE
		BE	MCD
28/10/2023	1:00 am- 2:00 pm	SE	SOM
		TE	MMC
		BE	PLCM

Prof. S. M. Patil
Dept. Exam Coordinator

Prof. U. V. Patil
HOD

Dr. S. M. Munde
Academic Dean

Prof. G. E. Chavan
Vice-Principal

Dr. D. D. Shinde
Principal

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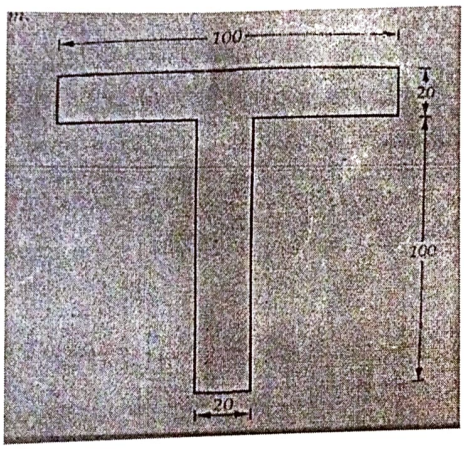
Department of Mechanical Engineering

ACAD-DI-17	**Internal Assessment II Question Paper**	Academic Year: 2023-24
Rev : 00		Semester: Odd
Date: 11-7-2022		

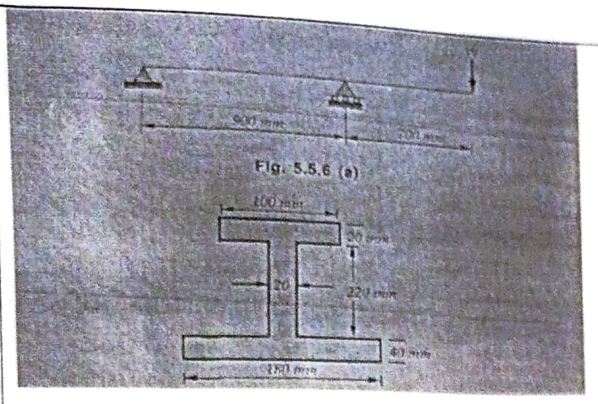
Academic Year: 2023-34 | Semesters: III
Class: SE | Branch: Mech
Time: 1hr | Max Marks: 20
Subject: Strength of Materials (SOM) | Date: 28/10/2023

1. – Answer any TWO. **05*2=10M**

Q. No. 1	Questions	CO	BLOOMS Level	Marks
A	State the assumptions in simple theory of bending.	CO3	L1	05
B	Find the section modulus for the T-section shown in fig. The dimensions are in mm. 	CO3	L3	05
C	Determine the polar modulus for hollow circular section	CO4	L1	05
D	Find the maximum share stress induced in a solid circular shaft of diameter 150 mm when it transmits 150 KW at 180 RPM	CO4	L1	05

2. – Answer any ONE. **10*1=10M**

Q. No. 2	Questions	CO	BLOOMS Level	Marks
A	A simply supported beam with overhang is loaded with point load shown in fig. The cross-section of beam is I-section .The allowable bending stresses in tension and compression are σ_t=150MPaand σ_c =100MPa.Find the safe value of load W on the overhang.	CO3	L3	10

				
B	Two shafts of the same material and of same length are subject to the same torque. If the first shaft is of a solid circular section and the second shaft is of Hollow circular section whose internal diameter is 2/3 of the outside diameter and the maximum share stress develop in each shaft the same compare the weights of the shaft	CO4	L3	10

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-21 Rev : 00 Date: 11-7-2022	**Exam Attendance and Mark Sheet**	Academic Year: 2023-24 Semester: ODD

Class: DSE **Subject:** Som **Date:** 28/10/2023

Sr. No.	Roll No.	Name	Student Sign	Marks obtained
1	DSE-01	Baderao Pranit Santosh		09
2	DSE-02	Bhangare Sachin Kalu		15
3	DSE-03	Chavan Khushal Devidas		02
4	DSE-04	Jadhav Ravikant Yashwant		10
5	DSE-05	Naik Viraj Vilas		12
6	SE-06	Niket Anamta Patil		04
7	SE	Jadnika Thakur Patil		04
8	SE	Karan Anand Kashivale		14
9	SE	Siddhant Mangesh Jambhale		02
10	SE	Swapnil. S. Gangurde.		03
11	SE	Parth. R. Pawar		02
12	SE	Akshay. D. Bramhane		03
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33				

Supervisor's Name	No of students			Sign
	Appeared	Present	Absent	
Sai Godade	13	12	01	28/10

Subject Teacher Name	No of students			Sign
	Pass	Fail	% Pass	
G.E.Chavan	10	02	83.33%	

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Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-23	Result Analysis Internal Assessment	Date: 30/01/2023
Rev : 00		Class: SE MECH
Date: 11.07.2022		Div:

RollNo	PRN No/GR. No.	Name of Student	EM III			TD			SOM			MM			PP			Final Status	Student Signature
			IA-1	IA-2	Avg	IA-1	IA-2	Avg	IA-1	IA-2	Avg	IA-1	IA-2	Avg	IA-1	IA-2	Avg	Pass/ Fail (NO.of KTs)	
DSE-01	2439	Baderao Pranit Santosh	8	9	9	18	10	14	3	9	6	11	9	10	8	4	6	Fail (02)	
DSE-02	2440	Bhangare Sachin Kalu	8	13	11	18	16	17	15	15	15	15	12	14	15	8	12	Pass	
DSE-03	2441	Chavan Khushal Devidas	13	12	13	18	17	18	16	8	12	13	14	14	9	14	12	Pass	
DSE-04	2442	Jadhav Ravikant Yashwant	0	8	4	17	15	16	12	10	11	11	12	12	12	8	10	Fail (01)	
DSE-05	2443	Naik Viraj Vilas	11	8	10	13	13	13	5	12	9	13	13	13	10	8	9	Pass	
SE-06		Patil Jadnika	8	8	8	9	11	10	11	4	8	9	12	11	7	4	6	Fail (01)	

Total No.of students Present	16	1	1	1	1
Pass	14	1	1	1	0
Fail	2	0	1	0	1
RESULT %	88%	100%	100%	100.00%	0.00%
Faculty	Prof. P. S. Bijwe	Dr. S. K. Chaudhary	Prof. G. E. Chavan	Dr. G. D. Sonawane	Prof. M. S. Salunke
Subject	EM III	TD	SOM	MM	PP

Prof. S. M. Patil
Dept. Exam Incharge

Prof. U. V. Patil
HOD

!!Sabka Malik Atma!!

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-23	Result Analysis Internal Assessment	Date: 30/10/2023
Rev : 00		Class: TE MECH
Date: 11.07.2022		Div:

RollNo	PRN No	Name of Student	MMC			TE			DOM			FEA			DOE			Final Status	Signature of Students
			IA-1	IA-2	Avg	IA-1	IA-2	Avg	IA-1	IA-2	Avg	IA-1	IA-2	Avg	IA-1	IA-2	Avg	Pass/ Fail (No.of KTs)	
1	1893	DADHEKAR SARTHAK RASHMIKANT	14	16	15	18	18	18	18	19	19	17	19	18	19	17	18	Pass	
2	2275	DHASADE RUSHIKESH VASUDEV	12	19	16	11	18	15	15	18	17	19	16	18	18	17	18	Pass	
3	2272	DUPARE AMOL SURESH	14	11	13	15	18	17	15	17	16	18	AB	9	18	AB	9	Pass	
4	1927	JADHAV MAYUR GURUNATH	10	14	12	13	17	15	10	18	14	9	17	13	16	18	17	Pass	
5	2277	PATIL MANISH RAJENDRA	14	19	17	15	18	17	17	19	18	18	18	18	18	17	18	Pass	
6	2279	RAUT GANESH SURESH	11	12	12	15	17	16	13	16	15	19	12	16	19	9	14	Pass	
7	2278	RAUT KUNJAN NITENDRA	12	15	14	14	13	14	16	AB	8	19	AB	10	18	AB	9	Pass	
8		SARMALKAR PAVAN PUNDALIK	AB	8	4	AB	AB	AB	AB	AB	AB	AB	11	6	AB	10	5	Fail (05)	
9	2274	SINGH SURAJ RAMSAGAR	12	16	14	16	18	17	15	18	17	19	18	19	19	17	18	Pass	

Total No.of students Present	9	8	8	9	9
Pass	8	8	8	8	8
Fail	1	0	0	1	1
RESULT %	89%	100%	100%	89%	89%
Faculty	Dr. G. D. Sonawane	Dr. S. K. Chaudhary	Prof. S. M. Patil	Prof. G. E. Chavan	Prof. R. S. Gaikwad
Subject	MMC	TE	DOM	FEA	DOE

Prof. S. M. Patil
Dept. Exam Incharge

Prof. U. V. Patil
HOD

!! Sabka Malik Atma!!

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

	ACAD-DI-23																			
	Rev : 00																			
	Date: 11.07.2022																			
RollNo	PRN No	Name of Student	DMS			LSCM			VS			MCD			PLCM			Final Status	Students Signature	
			IA-1	IA-2	Avg	IA-1	IA-2	Avg	IA-1	IA-2	Avg	IA-1	IA-2	Avg	IA-1	IA-2	Avg	Pass/ Fail (NO.of KTs)		
1		Adhikari Yadnesh Sunil	9	13	11	8	8	8	10	9	10	8	8	8	12	8	10	Pass		
2		Bhoir Viresh Suresh	20	19	20	17	17	17	17	18	18	19	19	19	16	18	17	Pass		
3		Bhovare Sahil Santosh	10	15	13	10	10	10	12	11	12	16	8	12	15	11	13	Pass		
4		Dalvi Sameer Krushna	13	15	14	8	13	11	16	13	15	14	11	13	14	13	14	Pass		
5		Dalvi Nitin Pandharinath	AB	16	8	AB	16	8	AB	15	8	AB	15	8	AB	15	8	Pass		
6		Dhodade Ishvar Shantaram	12	15	14	11	15	13	14	16	15	12	11	12	12	16	14	Pass		
7		Gajakosh Vicky Anil	14	9	12	8	10	9	8	12	10	8	8	8	AB	15	8	Pass		
8		Gharat Ashish Subhash	16	AB	8	12	12	12	16	AB	8	17	AB	9	AB	AB	AB	Fail (01)		
9		Gharat Manish Vishwanath	16	17	8	12	15	14	13	16	15	12	8	10	AB	AB	AB	Fail (01)		
10		Gharat Ruchit Chandrakant	13	13	13	5	8	7	10	16	13	10	8	9	10	16	13	Pass		
11		Jadhav Harshad Sitaram	18	19	19	14	16	15	17	17	17	19	16	18	16	16	16	Pass		
12		Jadhav Mrunali Vilas	9	10	10	12	8	10	10	14	12	10	17	14	AB	16	8	Pass		
13		Jadhav Shubham Sanjay	9	11	10	10	11	11	8	11	10	14	4	9	8	12	10	Pass		
14		Jadhav Suraj Balu	4	15	10	10	11	11	8	16	12	9	8	9	AB	16	8	Pass		
15		Mope Pratik Ashok	9	13	11	8	8	8	8	12	10	10	6	8	10	10	10	Pass		
16		More Kunal Ravindra	2	15	9	4	9	7	AB	16	8	AB	8	4	AB	11	6	Fail (03)		
17		Muknak Suraj Subhash	15	11	13	11	9	10	10	12	11	13	8	11	AB	14	7	Fail (01)		
18		Pargaonkar Saksham Madhukar	17	10	14	12	9	11	12	12	12	11	8	10	16	AB	8	Pass		
19		Patare Tejas Dattatray	9	12	11	9	8	9	9	14	12	8	10	9	13	12	13	Pass		
20		Patil Abhijit Vitthal	8	13	11	10	9	10	12	12	12	12	7	10	3	14	9	Pass		
21		Patil Bhavik Sudhakar	10	12	11	9	8	9	8	15	12	16	8	12	14	10	12	Pass		
22		Patil Nirag Rajendra	19	19	19	13	14	14	16	14	15	18	14	16	16	16	16	Pass		
23		Patil Sanket Vijay	19	18	19	14	11	13	12	15	14	19	15	17	16	16	16	Pass		

Result Analysis Internal Assessment

Date: 09/11/2023

Class: BE MECH

Div:

24		Patil Tejas Dilip	15	17	16	14	13	14	8	14	11	14	9	12	15	14	15	Pass	
25		Patil Vinit Mohan	9	18	14	11	8	10	11	AB	6	7	AB	4	1	15	8	Fail (02)	
26		Pawar Chaitali Krushna	5	18	12	11	10	11	8	13	11	16	9	13	AB	15	8	Pass	
27		Prajapati Vijay Kumar Karmnath	6	17	12	12	9	11	8	14	11	9	8	9	AB	14	7	Fail (01)	
28		Rayat Mayuresh Eknath	14	7	11	12	9	11	11	9	10	9	8	9	16	14	15	Pass	
29		Sapat Suraj Vijay	8	11	10	10	12	11	13	12	13	10	8	9	AB	16	8	Pass	
30		Sathe Imran Iqbal	AB	15	8	AB	9	5	9	12	11	7	8	8	AB	16	8	Fail (01)	
31		Tayade Ganesh Vasant	17	16	17	8	11	10	11	14	13	12	8	10	AB	16	8	Pass	
32		Thakare Shivam Tanaji	18	13	16	11	9	10	12	12	12	8	8	8	6	11	9	Pass	
33		Thakare Vilas Ashok	11	16	14	13	12	13	14	15	15	14	12	13	15	16	16	Pass	
34		Mahale Hemlata Raghunath	AB	17	9	AB	12	6	AB	18	9	AB	17	9	AB	16	8	Fail (01)	
~~35~~		~~Kalaskar Shubham Subhash~~	9	AB	5	10	NA	5	9	AB	5	9	AB	5	12	AB	6	Fail (05)	

Total No.of students Present	25	35	35	35	33
Pass	34	30	33	32	29
Fail	1	5	2	4	4
RESULT %	**97.14%**	**85.71%**	**94.29%**	**91.43%**	**87.88%**
Faculty	**Prof. R. S. Gaikwad**	**Prof. M. A. Salunke**	**Prof. U. V. Patil**	**Prof. S. M. Patil**	**Prof. U. V. Patil**
Subject	**DMS**	**LSCM**	**VS**	**MCD**	**PLCM**

Prof. S. M. Patil
Dept. Exam Incharge

Prof. U. V. Patil
HOD

!!Sabka Malik Atma !!
Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Mechanical Engineering Departement

ACAD-DI-22
Rev : 00
Date: 11.07.2022

Continuous Assessment Sheet

Academic Year: 2023 -24
Semester: I
Date of Preparation: 11.07.2022

Subject: DMS LAB **Semester:** **Class: BE** **Batch: A1** **Academic Year: 2023 - 2024**

Roll. No.	Name of Student	Pract 1	Pract 2	Pract 3	Pract 4	Pract 5	Total Marks	Assg 1	Assg 2	Assg 3	Assg 4	Assg 5	Assg 6	Total Marks	Practical Conduction 10	Theory Attd. 5	TW/PR Attd. 5	Assignment 5	Total 25	Scaled 25 / 50	Sign. of student
1	Adhikari Yadnesh Sunil	05	05	05	05	05	25	05	05	05	06	06	06	33	05	04	04	05	18	18	
2	Bhoir Viresh Suresh	10	10	10	10	10	50	09	10	10	10	10	10	59	10	05	04	04	23	23	
3	Bhovare Sahil Santosh	07	07	07	07	07	35	07	07	07	06	06	06	39	7	04	04	05	20	20	Sahil
4	Dalavi Sameer Krushan	08	08	07	09	09	41	08	08	08	08	08	08	48	8	05	04	05	22	22	Dalavi
5	Dalvi Nitin Pandharinath	08	08	08	08	08	40	08	08	08	08	08	08	48	8	05	04	04	21	21	
6	Dhodade Ishvar Shantaram	07	07	06	07	07	27	06	06	06	06	06	06	36	05	05	05	05	20	20	
7	Gajakosh Vicky Anil	06	06	06	06	06	30	06	06	06	06	06	06	36	06	05	04	04	19	19	
8	Gharat Asnish Subhash	07	07	07	07	00	28	06	06	06	07	07	07	39	06	04	04	05	19	19	
9	Gharat Manish Vishwnath	08	08	08	08	08	40	07	07	07	08	08	08	45	08	05	05	05	23	23	
10	Gharat Ruchit Chandrakant	07	07	07	07	08	29	07	07	07	08	08	08	45	06	05	04	05	20	20	
11	Jadhav Harshad Sitaram	10	10	10	10	09	49	10	10	10	10	10	10	60	10	04	04	04	22	22	
12	Jadhav Mrunali Vilas	6	6	6	6	6	30	6	6	6	6	6	6	36	06	04	05	04	19	19	
13	Jadhav Shubham Sanjay	07	07	07	08	08	37	07	07	07	07	07	07	42	07	05	04	05	21	21	
14	Jadhav Suraj Balu	05	06	06	06	06	30	06	05	05	05	05	05	31	06	05	04	05	20	20	
15	Mope Pratik Ashok	07	07	07	07	07	35	08	08	08	08	08	08	48	07	05	05	05	22	22	
16	More Kunal Ravindra	07	07	07	07	07	35	07	07	07	07	07	07	42	07	05	05	05	22	22	
17	Muknak Suraj Subhash	06	06	06	06	06	30	05	05	05	05	05	05	30	06	04	05	04	19	19	

Subject Incharge

Head of Department

!!Sabka Malik Atma !!
Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Mechanical Engineering Departement

ACAD-DI-22
Rev : 00
Date: 11.07.2022

Continuous Assessment Sheet

Academic Year: 2023 -24
Semester: I
Date of Preparation: 11.07.2022

Subject: DMS LAB **Semester:** **Class: BE** **Batch: A2** **Academic Year: 2023 - 2024**

Roll No.	Name of Student	Pract 1	Pract 2	Pract 3	Pract 4	Pract 5	Total Marks	Assg 1	Assg 2	Assg 3	Assg 4	Assg 5	Assg 6	Total Marks	Practical Conduction	Theory Attd.	TW/PR Attd.	Assignment	Total	Scaled	Sign. of student
															10	5	5	5	25	25 / 50	
18	Pargaonkar Saksham M	06	06	06	06	06	30	05	05	05	05	05	05	30	06	04	04	03	17	17	
19	Patare Tejas Dattatray	06	06	06	06	06	30	05	05	05	05	05	05	30	06	04	04	03	17	17	
20	Patil Abhijeet Vitthal	08	08	08	08	08	40	08	08	08	07	07	07	45	08	04	04	04	20	20	
21	Patil Bhavik Sudhakar	08	08	07	07	07	37	06	06	06	07	07	07	39	07	04	04	04	19	19	
22	Patil Niraj Rajendra	10	10	10	10	09	49	10	10	10	10	10	09	59	10	04	05	05	24	24	
23	Patil Sanket Vijay	10	10	09	10	10	49	10	10	09	10	10	09	58	10	04	05	05	24	24	
24	Patil Tejas Dilip	08	08	08	08	07	39	07	07	07	08	08	08	45	09	05	05	04	23	23	
25	Patil Vinit Mohan	05	05	05	05	05	30	05	05	05	05	05	05	30	06	04	04	03	17	17	
26	Pawar Chaitali Krushna	07	07	07	07	07	35	08	08	08	08	08	08	48	07	04	04	04	19	19	
27	Prajapati Vijay Karmnath	07	07	06	06	06	32	06	06	06	06	06	06	36	06	04	04	03	17	17	
28	Rayat Mayuresh Eknath	06	06	06	06	06	30	06	06	06	06	06	06	36	06	04	04	03	17	17	
29	Sapat Suraj Vijay	07	07	07	07	07	35	07	07	07	07	07	07	42	07	05	05	04	21	21	
30	Sathe Imran Iqbal	07	07	07	07	07	35	07	07	07	06	06	06	39	07	04	04	03	18	18	
31	Tayade Ganesh Vasant	06	06	06	06	06	30	06	06	06	06	06	06	36	06	04	04	03	17	17	
32	Thakare Shivam Tanaji	08	08	08	08	08	40	08	07	07	07	07	07	43	08	05	05	03	21	21	
33	Thakare Vilas Ashok	09	09	09	09	08	44	08	08	08	08	08	08	48	09	05	05	04	23	23	
34	Mahale Hemlata Raghunath	09	09	09	09	09	45	09	09	09	09	09	09	54	09	05	05	04	23	23	

Subject Incharge

Head of Department

!!Sabka Malik Atma!!

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-26 A Rev : 00 Date: 11-7-2022	**Evaluation Project Review (Mini Project 1A)**	Academic Year: 2023-24 Semester: ODD

Class: SE **Marks: 25** **Examiner Name:** Prof. Amit Dalavi **Date:** 04/11/2023.

Roll No.	Name of Student	Topic	Problem Identification	Literature Survey	Project Outcome	Team work	Presentation Skill
02	Bhangare Sachin Kalu	Solenoid Electromagnetic Engine	04	04	05	05	04
05	Naik Viraj Vilas		04	04	04	05	04
01	Baderao Pranit Santosh		04	04	04	04	05
03	Chavan Khushal Devidas	Electromagnetic Braking System	04	04	04	04	03
04	Jadhav Ravikant Yashwant		04	04	04	04	03
06	Patil Jadnika		04	04	04	04	03

Panel I/C Name	No of students			Sign
	Appeared	Present	Absent	
Prof. G. E. Chavan Prof. U. V. Patil Prof. R. S. Gaikwad Prof. S. M. Patil Dr. S. K. Chaudhary	06	06	00	

Prof. S. M. Patil
Project Coordinator

Prof. U. V. Patil
Head of the Department

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Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-26 A	Evaluation Project Review (Mini Project 2A)	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Class: TE **Marks: 25** **Examiner Name:** Prof. Amit Dalavi **Date:** 04/11/2023.

Roll No.	Name of Student	Topic	Problem Identification	Literature Survey	Project Outcome	Team work	Presentation Skill
09	SINGH SURAJ RAMSAGAR	Solar Tracking System	04	04	04	04	04
02	DHASADE RUSHIKESH		04	05	05	04	04
05	PATIL MANISH RAJENDRA		04	04	04	04	04
01	DADHEKAR SARTHAK RASHMIKANT	Mass Rover	05	04	05	05	04
04	JADHAV MAYUR GURUNATH		04	04	05	05	04
08	SARMALKAR PAVAN PUNDALIK		03	03	03	04	03
06	RAUT GANESH SURESH	Case Study on ACG Associated Capsule Pvt. Ltd, Dahanu	04	04	04	04	03
07	RAUT KUNJAN NITENDRA		04	03	04	04	03
03	DUPARE AMOL SURESH		04	04	04	05	04

Panel I/C Name	No of students			Sign
	Appeared	Present	Absent	
Prof. G. E. Chavan Prof. U. V. Patil Prof. R. S. Gaikwad Prof. S. M. Patil Dr. S. K. Chaudhary	09	09	00	

Prof. S. M. Patil
Project Coordinator

Prof. U. V. Patil
Head of the Department

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Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

ACAD-DI-26 A	**Evaluation Project Review (Major Project I)**	Academic Year: 2023-24
Rev : 00		Semester: ODD
Date: 11-7-2022		

Class: BE **Marks: 50** **Examiner Name:** Prof. Amit Dalaei **Date:** 04/11/2023.

Roll No.	Name of Student	Topic	Problem Identification	Literature Survey	Project Outcome	Team work	Presentation Skill
02	BHOIR VIRESH SURESH	Artificial Intelligence Based Fire Fighting Robot Vehicle	09	09	09	10	09
11	JADHAV HARSHAD SITARAM		09	09	09	10	09
22	PATIL SANKET VIJAY		09	09	09	10	09
21	PATIL NIRAG RAJENDRA		09	09	09	09	09
08	GHARAT ASHISH SUBHASH	Design and Development of Pedal Operated Bench	07	07	07	07	07
09	GHARAT MANISH VISHWANATH		08	07	07	08	07
10	GHARAT RUCHIT CHANDRAKANT		07	07	07	08	07
06	DHODADE ISHVAR SHANTARAM		08	07	07	08	07
32	THAKARE SHIVAM TANAJI	Design and Development of Staircase Power Generation using Spring and Gear Mechanism	08	07	08	08	07
19	PATIL ABHIJIT VITTHAL		08	07	08	08	07
13	JADHAV SHUBHAM SANJAY		08	07	08	08	07
29	SAPAT SURAJ VIJAY		08	08	08	08	08
04	DALVI SAMEER KRUSHNA	Multi Point Fuel Injection System	07	07	07	08	07
05	DALVI NITIN PANDHARINATH		08	08	08	08	07
16	MORE KUNAL RAVINDRA		08	08	08	08	08

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Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

12	JADHAV MRUNALI VILAS	Solar Based Battery Cycle	07	07	08	08	08
26	PRAJAPATI VIJAY KUMAR KARMNATH		06	07	07	07	07
31	TAYADE GANESH VASANT		07	08	08	08	08
24	PATIL VINIT MOHAN		06	06	06	06	06
20	PATIL BHAVIK SUDHAKAR	Design and Fabrication of Solar Powered Grass Cutter	08	08	08	08	08
03	BHOVARE SAHIL SANTOSH		07	07	07	07	07
01	ADHIKARI YADNYESH SUNIL		07	06	06	07	06
27	PARGAONKAR SAKSHAM MADHUKAR		07	07	07	07	07
30	SATHE IMRAN IQBAL	Fabrication of Automated Sprayer for Agriculture Purpose	07	07	08	07	07
28	RAYAT MAYURESH EKNATH		07	07	08	07	07
15	MOPE PRATIK ASHOK		07	07	08	08	07
33	THAKARE VILAS ASHOK		08	08	08	08	08
25	PAWAR CHAITALI KRUSHNA	Demonstration of 360 degree Wheel Rotating Vehicle	07	07	08	07	07
23	PATIL TEJAS DILIP		07	07	06	07	07
18	PATARE TEJAS DATTATRAY		07	07	06	07	07
17	MUKNAK SURAJ SUBHASH		07	07	07	08	07
07	GAJAKOSH VICKY ANIL	Design and Fabrication of automatic rain operated wiper	07	07	07	08	07
14	JADHAV SURAJ BALU		07	07	07	08	08
34	MAHALE HEMLATA RAGHUNATH		08	08	08	09	08

!!Sabka Malik Atma!!

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

Panel I/C Name	No of students			Sign
	Appeared	Present	Absent	
Prof. G. E. Chavan Prof. U. V. Patil Prof. R. S. Gaikwad Prof. S. M. Patil Dr. S. K. Chaudhary	34	34	00	

Prof. S. M. Patil
Project Coordinator

Atma Malik Institute of Technology & Research

Prof. U. V. Patil
Head of the Department

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Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research (AMRIT)

Department of Mechanical Engineering

Academic Year-2023-24 **Subject Teacher: Prof. S. M. Patil**

Subject-DOM **Class- TE MECH** **SEM- V**

Attainment of Course Outcome through Course Exit Survey

Note - Attainment of COs through Course end survey shall be self-assessment of achievement of COs. Each student will grade four levels in self-assessment.(Level 1: Not competent, 2: Somewhat competent, 3:Competent, 4: Excellent).

Sr. No.	Roll No.	Name of student	Attainment Level					
			CO1	CO2	CO3	CO4	CO5	CO6
1	1	Dadhekar Sarthak Rashmikant	4	3	4	4	3	4
2	2	Dhasade Rushikesh Vasudev	3	3	2	3	3	3
3	3	Dupare amol Suresh	3	2	3	2	3	3
4	4	Jadhav Mayur Gurunath	4	3	4	4	3	4
5	5	Patil Manish Rajendra	3	4	4	3	4	3
6	6	Raut Ganesh Suresh	3	3	3	3	3	3
7	7	Raut Kunjan Nitendra	4	2	4	3	3	3
8	8	Sarmalkar pavan pundalik	3	3	4	4	3	3
9	9	Singh Suraj Ramsagar	3	4	4	3	3	3
Total appeared students (B)			**9**	**9**	**9**	**9**	**9**	**9**
No. of students obtaining more than 50% marks (A)			**9**	**7**	**8**	**8**	**9**	**9**
% of studnts successfully attained Cos = (A/B)*100			**100**	**78**	**89**	**89**	**100**	**100**
AL = % age No. of students achieving target AL 1: 50 – 70 % AL 2: 70 – 80% AL 3: 80 – 90%			**3**	**2**	**3**	**3**	**3**	**3**

NOTE:	Attainment Level 1	50% to 70% students attained CO successfully
	Attainment Level 2	70% to 80% students attained CO successfully
	Attainment Level 3	80% to 100% students attained CO successfully

Subject Incharge **Dept. Academic Coordinator** **HOD**