

Moradabad Institute of Technology, Moradabad

ACADEMIC AND ADMINISTRATIVE AUDIT

ACADEMIC YEAR: 2020-21

Section I: Basic Information

1	Audit Date	28-08-2021
2	Name of Department	Mechanical Engineering
3	Head of Department	Dr. Munish Chhabra
4	Number of Full time teachers	12
5	Number of Technical Staff	07
6	Number of Student	142
7	Student Full Time Teacher Ratio	11.8

Section II: Curricular Aspects

1. Academic Planning

Sr. No.	Particular	Available Yes / No	Remark(if any)
1	Academic Calendar	Yes	
2	Faculty Subject Choices	Yes	
3	Elective Choices from Students	Yes	
4	Course/Subject Distribution to Faculty	Yes	
5	Time Tables	Yes	
6	Lecture blow-up	Yes	


Dr. Munish Chhabra

Professor & Head

Deptt. of Mechanical Engg.

Moradabad Institute of Technology

Moradabad - 244001

2. **Participation of the department in the curriculum development for courses offered by the AKTU.**

Sr. No.	Name of Faculty	Participated as	Course	Class
1	Mr. Puneet Kumar	Subject Teacher	Strength of Material	2 nd yr
2	Mr. Rakesh K Gangwar Mr Arvind K singh	Subject Teacher	Elements of Mechanical Engineering	1 st
3	Mr Atul Sharma Mr Pravesh Chandra	Subject Teacher	Kinematics Of machine	3 rd
4	Mr Deepak Singh	Subject Teacher	Fluid Mechanics	3 rd
5	Dr. Munish Chhabra	Subject Teacher	Manufacturing Science	2 nd
6	Mr Sandeep Kumar	Subject Teacher	Composite Material	4 th
7	Mr. Prashant Singh	Subject Teacher	Automobile Engg.	4 th

3. **List of Elective Courses in Elective Course System Conducted by department to final year students**

Sr. No.	Name of Elective Course	Semester
ODD SEM.		
1.	COMPUTER INTEGRATED MANUFACTURING	5 th
2.	MECHATRONICS SYSTEMS	5 th
3.	ADVANCE WELDING	5 th
4.	PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON	5 th
5.	AUTOMOBILE ENGINES & COMBUSTION	5 th
6.	AUTOMOTIVE CHASSIS AND SUSPENSION	5 th
7.	Understanding the human being Comprehensively Human Aspiration audits fulfillment	7 th
8.	SUPPLY CHAIN MANAGEMENT	7 th
9.	POWER PLANT ENGINEERING	7 th
10	OPERATION RESEARCH	7 th

EVEN SEM.		
11	ENERGY SCIENCE & ENGINEERING	4 th
12.	NONDESTRUCTIVE TESTING	6 th
13	ARTIFICIAL INTELLIGENCE	6 th
14	AUTOMOTIVE ELECTRICAL AND ELECTRONICS	6 th
15	BASICS OF DATA BASE MANAGEMENT SYSTEM	6 th
16	ENTREPRENEURSHIP DEVELOPMENT	7 th
17	NON-DESTRUCTIVE TESTING	7 th
18	ADVANCE WELDING	7 th
19	TOTAL QUALITY MANAGEMENT	7 th

4. List of value added courses conducted in department

Sr. No.	Name of Value Added Course	Sem/year	No of Students Participated
1.	PDP classes	3 rd /2 nd	29
2.	PDP classes	4 th /2 nd	29
3.	PDP classes	5 th /3 rd	38
4.	PDP classes	6 th /3 rd	38
5.	PDP classes	7 th /4 th	61
6.	Boot Camp	7 th /4 th	61

Section III: Teaching Learning & Evaluation

5. Course / Curriculum Delivery

Sr. No.	Name of Subject	Name of Faculty	No. of Lectures / Practical's as Per Syllabus	No. of Lectures/ Practical as per teaching plan / Lab Plan	No. of Lectures/ Practical Conducted
ODD SEM.					
Semester I					
1	Engineering Graphics &	Mr. Prashant Singh	10	10	12

	Design				
2	Workshop Practice	Mr. Deepak Singh	10	10	15
Semester III					
3	Universal Human Values	MR. PAVANENDRA KUMAR	40	40	50
4	Thermodynamics	MR. RAKESH KUMAR GANGWAR	40	44	85
5	Fluid Mechanics & Fluid Machines	MR. ATUL SHARMA/MR. DEEPAK SINGH	40	40	60
6	Materials Engineering	MR. SANDEEP KUMAR	40	40	55
7	PYTHON PROGRAMMING	MR. RAVISH KUMAR DUBRY	10	10	12
8	FLUID MECHANICS LAB	MR. ATUL SHARMA	10	10	12
9	MATERIAL TESTING LAB	MR. SANDEEP KUMAR	10	10	13
10	COMPUTER AIDED MACHINE DRAWING-I LAB	MR. DEEPAK SINGH	10	10	12
11	MINI PROJECT OR INTERNSHIP ASSESSMENT	MR. PAVANENDRA KUMAR / MR. ATUL SHARMA	10	10	10
Semester V					
12	HEAT & MASS TRANSFER	MR. ARVIND KUMAR SINGH	40	42	55
13	STRENGTH OF MATERIAL	MR. SHUBHAM VYAS	40	44	52
14	INDUSTRIAL ENGINEERING	MR. PRAVESH CHANDRA	40	40	50
15	COMPUTER INTEGRATED MANUFACTURING	DR. MUNISH CHHABRA	40	43	50
16	MECHATRONICS SYSTEMS	MR. SANDEEP KUMAR	40	40	48
17	ADVANCE WELDING	MR. VIPIN KUMAR	10	10	44
18	PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON	MR. VIKAS KUMAR / MS. PRACHI AGARWAL	10	10	45
19	AUTOMOBILE ENGINES & COMBUSTION	MR. DEEPAK SINGH	10	10	52
20	AUTOMOTIVE CHASSIS AND SUSPENSION	MR. GANESH SHARMA	10	10	50
21	CONSTITUTION OF INDIA, LAW AND ENGINEERING	DR. LALIT MOHAN TRIVEDI	10	10	44
22	HEAT & MASS TRANSFER LAB	MR. ARVIND KUMAR SINGH	10	10	10
23	PYTHON LAB	MS. PRACHI GUPTA	10	10	10
24	IOT LAB	MR. VIKAS BHATNAGAR	10	10	10
25	MINI PROJECT OR INTERNSHIP ASSESSMENT*	MR. PUNEET KUMAR / MR. RAKESH KUMAR GANGWAR	10	10	10
Semester VII					
26	Understanding the	MR. PAVANENDRA KUMAR	40	40	42

	human being Comprehensively Human Aspiration audits fulfillment				
27	OPERATION RESEARCH	MR. GANESH SHARMA	40	40	50
28	AUTOMOBILE ENGINEERING	MR. PRASHANT SINGH	40	40	45
29	CAD/CAM LAB	MR. SHUBHAM VYAS / DR. MUNISH CHHABRA	40	40	46
30	IC ENGINE & AUTOMOBILE LAB	MR. PRASHANT SINGH	40	40	45
31	INDUSTRIAL TRAINING	MR. GANESH SHARMA / MOHD. TALHA KHAN	10	10	11
32	PROJECT-I		10	10	10
EVEN SEM.					
Semester II					
33	Engineering Graphics & Design	Mr. Prashant Singh	10	10	10
34	Workshop Practice	Mr. Pravesh Chandra	10	10	10
Semester IV					
35	ENERGY SCIENCE & ENGINEERING	MR. PRAVESH CHANDRA	40	40	41
36	TECHNICAL COMMUNICATION	DR. SUGANDHA AGARWAL	40	40	40
37	APPLIED THERMODYNAMICS	MR. SHUBHAM VYAS	40	40	43
38	ENGINEERING MECHANICS	MR. PAVANENDRA KUMAR	40	40	45
39	MANUFACTURING PROCESSES	DR. MUNSIH CHHABRA	40	40	41
40	COMPUTER SYSTEM SECURITY	MR. PRAVEEN SAINI	40	40	40
41	APPLIED THERMODYNAMICS LAB	MR. SHUBHAM VYAS	10	10	12
42	MANUFACTURING PROCESSES LAB	Mr. Deepak Singh	10	10	10
43	COMPUTER AIDED MACHINE DRAWING-II LAB	Mr. Deepak Singh	10	10	10
Semester VI					

44	REFRIGERATION AND AIR CONDITIONING	MR. RAKESH K GANGWAR	40	44	50
45	MACHINE DESIGN	MR. PUNEET KUMAR	40	42	48
46	THEORY OF MACHINE	MR. PRAVESH CHANDRA	40	42	46
47	NONDESTRUCTIVE TESTING	MR. DEEPAK SINGH	40	40	42
48	ARTIFICIAL INTELLIGENCE	DR. LAL PRATAP VERMA	40	40	40
49	AUTOMOTIVE ELECTRICAL AND ELECTRONICS	MR. PRASHANT SINGH	40	40	40
50	BASICS OF DATA BASE MANAGEMENT SYSTEM	MS. SHILPI RANI	40	40	40
51	ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE	DR. MODIKA GUPTA	40	35	38
52	REFRIGERATION AND AIR CONDITIONING LAB	MR. RAKESH K GANGWAR	10	10	10
53	MACHINE DESIGN LAB	MR. PUNEET KUMAR	10	10	10
54	THEORY OF MACHINE LAB	MR. PRAVESH CHANDRA	10	10	10

Semester VIII

44	ENTREPRENEURSHIP DEVELOPMENT	DR. HARENDRA SHARMA	40	40	40
45	NON-DESTRUCTIVE TESTING	MR. SANDEEP KUMAR	40	40	41
46	ADVANCE WELDING	MR. GANESH SHARMA	40	40	42
47	TOTAL QUALITY MANAGEMENT	MOHD. TALAH KHAN	40	40	41

TH - Theory PR Practical

6. List of Expert Lecturers / Workshops Conducted

Sr. No.	Expert Lecture Topic	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1	Agrivoltaics	Mr. Vivek Saraf CEO, SunSeed, AVP	11-09-2020	Faculty & Mechanical Engg. Students
2	Preparation Techniques for IES	Mr. Rajat Dixit ADME, Indian Railway	21.12.2020	Faculty & Mechanical Engg. Students

3	"Deciding what to do with your life"	Mr. Dhanajaya Bharadwaj, Deputy Commandant Technical, Indian Coast Guard.	12-01-2021	Mechanical Engg. Students
4	Role of Artificial Intelligence in Automotive and manufacturing field	Mr. Mahesh Shinde, General Manager, Tata Motors, Pune India.	16-01-2021	Faculty & Mechanical Engg. Students
5	Intelligent welding systems in context of Industry 4.0	Mr. Gaurav Chaudhary, Business Development Manager, Fronius India Pvt. Ltd.	02-02-2021	Faculty & Mechanical Engg. Students
6	Opportunities of mechanical engineers in society	Mr. Ravi shanker Kochak, Vice chairman, IMechE	28-04-2021	Faculty & Mechanical Engg. Students
7.	Learn by doing using simulation software: Ansys mechanical & CFD	Mr. Kailash Jagtap Application Engineer, ARK Solution Pvt. Ltd.	20.05.2021	Faculty & Mechanical Engg. Students
8	Digital manufacturing	Mr. Krishna prasad M, DM expert, Siemens COE, NIT Kurukshetra	11.06.2021	Faculty & Mechanical Engg. Students
9	Composite to Nano-composite	Dr. Avinash Parashar IIT Roorkee	25.06.2021	Faculty & Mechanical Engg. Students
10	Opportunities & challenges in product development and CAD & RP Trends	Mr. Rushil Soni Director & Product Developer e3Dify, Noida	27.07.2021	Faculty & Mechanical Engg. Students

7. Activities for Slow and Advanced Lerner

Sr. No.	Name of Subject	Name of Faculty	Slow Learners Adv. Learners Identified (Yes / No)	No. of Sessions Conducted for Slow Learners	Activities/ Task Assigned for Advanced Learner
ODD SEM.					
1	Universal Human Values	MR. PAVANENDRA KUMAR	Yes		

2	Thermodynamics	MR. RAKESH KUMAR GANGWAR	Yes		
3	Fluid Mechanics & Fluid Machines	MR. ATUL SHARMA/MR. DEEPAK SINGH	Yes		
4	Materials Engineering	MR. SANDEEP KUMAR	Yes		
5	PYTHON PROGRAMMING	MR. RAVISH KUMAR DUBRY	Yes		
6	HEAT & MASS TRANSFER	MR. ARVIND KUMAR SINGH	Yes		
7	STRENGTH OF MATERIAL	MR. SHUBHAM VYAS	Yes		
8	INDUSTRIAL ENGINEERING	MR. PRAVESH CHANDRA	Yes		
9	COMPUTER INTEGRATED MANUFACTURING	DR. MUNISH CHHABRA	Yes		
10	MECHATRONICS SYSTEMS	MR. SANDEEP KUMAR	Yes		
11	ADVANCE WELDING	MR. VIPIN KUMAR	Yes		
12	PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON	MR. VIKAS KUMAR / MS. PRACHI AGARWAL	Yes		
13	AUTOMOBILE ENGINES & COMBUSTION	MR. DEEPAK SINGH	Yes		
14	AUTOMOTIVE CHASSIS AND SUSPENSION	MR. GANESH SHARMA	Yes		
15	CONSTITUTION OF INDIA, LAW AND ENGINEERING	DR. LALIT MOHAN TRIVEDI	Yes		
16	Understanding the human being Comprehensively Human Aspiration audits fulfillment	MR. PAVANENDRA KUMAR	Yes		
17	OPERATION RESEARCH	MR. GANESH SHARMA	Yes		
	AUTOMOBILE ENGINEERING	MR. PRASHANT SINGH			
EVEN SEM.					
18	ENERGY SCIENCE & ENGINEERING	MR. PRAVESH CHANDRA	Yes		
19	TECHNICAL COMMUNICATION	DR. SUGANDHA AGARWAL	Yes		
20	APPLIED THERMODYNAMICS	MR. SHUBHAM VYAS	Yes		
21	ENGINEERING MECHANICS	MR. PAVANENDRA KUMAR	Yes		
22	MANUFACTURING PROCESSES	DR. MUNISH CHHABRA	Yes		
23	COMPUTER SYSTEM SECURITY	MR. PRAVEEN SAINI	Yes		

24	REFRIGERATION AND AIR CONDITIONING	MR. RAKESH K GANGWAR	Yes		
25	MACHINE DESIGN	MR. PUNEET KUMAR	Yes		
26	THEORY OF MACHINE	MR. PRAVESH CHANDRA	Yes		
27	NONDESTRUCTIVE TESTING	MR. DEEPAK SINGH	Yes		
28	ARTIFICIAL INTELLIGENCE	DR. LAL PRATAP VERMA	Yes		
29	AUTOMOTIVE ELECTRICAL AND ELECTRONICS	MR. PRASHANT SINGH	Yes		
30	BASICS OF DATA BASE MANAGEMENT SYSTEM	MS. SHILPI RANI	Yes		
31	ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE	DR. MODIKA GUPTA	Yes		
32	ENTREPRENEURSHIP DEVELOPMENT	DR. HARENDRA SHARMA	Yes		
33	NON-DESTRUCTIVE TESTING	MR. SANDEEP KUMAR	Yes		
34	ADVANCE WELDING	MR. GANESH SHARMA	Yes		
35	TOTAL QUALITY MANAGEMENT	MOHD. TALAH KHAN	Yes		

8. Counseling and Mentoring

Sr. No.	Particular	Yes/ No	Remark (if any)
1	Counselor Allocation	Yes	
2	Class wise Student Profile Record maintained	Yes	
3	Counselor Session Record maintained	Yes	
No. of Students in Department		No. of Full Teachers in Department	Counselor : Mentee Ratio
142		12	1:20

9. Internal Evaluation System

Sr.	Particular	Yes / No	Remark (if any)
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No.			
1	Class test records	Yes	
2	Assignments	Yes	

10. Learning Outcome

Sr. No.	Particular	Yes / No	Remark (if any)
1	PO, PSO, CO are well stated	Yes	
2	Correlation of COs in PSOs and POs	Yes	
3	Course Outcome attainment calculated	Yes	
4	Program Specific Outcome & Program Outcome attainment through course outcome calculated	Yes	

11. Student Performance in University Exam Ist year to IVth Year

Sr. No.	Particular	
1	Number of students appeared	64
2	Number of All Clear Students	16
3	Number of students passed with distinction	12
4	Number of students passed with COP	42
7	Number of Students Failed	06
8	Passing Percentage	90.6

Section IV: Structured Feedback

Sr. No.	Particular	Yes / No	Remark (if any)
1	Student feedback on teaching learning conducted & analyzed	Yes	
2	Student exit survey conducted & analyzed	Yes	

3	Alumni feedback conducted & analyzed	Yes	
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Section V: Research, Innovation, Publication, patent

12. Research grants, projects completed and ongoing from funding agencies (like SPPU, BCUD, UGC, AICTE, DST)

Sr. No.	Principal Investigator	Title of Project	Funding Agency	Amount Lakh	Remark (if any)
1	N/A				

13. Patent

S.No.	Name of Applicant	Patent Title	Application No.	Publication Date
1.	N/A			

14. Faculty Publications

Number of Publication in National Journals	00
Number of Publication in International Journals	05
Number of Publication in National Conferences	01
Number of Publication in International Conferences	01
Book Chapter	04

Section VI: Collaborations & Linkages

15. Student Internships:

Sr. No.	Name of Student	Name of Sponsored Industry / Research Institute / Partnering Institution	27-07-2020	27-07-2020
			From	To
1	Rajat Saini	R Cube fire protection services PVT.LTD	12/6/2020	27-07-2020
2	Rajnish Chauhan	Toshiba Water Solutions Private Limited	10/7/2020	21-08-2020

3	Aatif khan	FLEXITUFF INTERNATIONAL LTD.	28-07-2020	5/9/2020
4	Abdul Kabir	AutoCAD	1/8/2020	10/9/2020
5	Abhinav gupta	Prem ford workshop	28-06-2020	12/8/2020
6	Abhinav Kumar	Dhampur sugar mills Ltd	16-06-2020	17-07-2020
7	Abhinav Kumar	Dhampur sugar mills Ltd	16-06-2020	17-07-2020
8	Abhishek chandra	Autodesk	3/7/2020	2/8/2020
9	Abhishek Chandra	Autodesk	10/7/2020	10/8/2020
10	Aditya Sharma	Rudra Auto Tech Engineering Pvt. Ltd.	10/7/2020	25-08-2020
11	Akshat Dabas	Autodesk	10/7/2020	31-08-2020
12	Akshat Dabas	Autodesk	10/7/2020	31-08-2020
13	Aman agrawal	INTERNSHALA	1/7/2020	12/8/2020
14	Aman agrawal	INTERNSHALA	1/7/2020	12/8/2020
15	AMBESH KUMAR PAL	Radico khaitain limited	9/7/2020	7/9/2020
16	ANAS BEIG	HASEEN ENGINEERING & ERACTOR	25-07-2020	25-08-2020
17	Ankit Kumar Gangwar	Magneti marelli mothersons	28-06-2020	12/8/2020
18	Anurag Joshi	Radico khaitan ltd Rampur	5/1/2021	9/2/2021
19	Anurag Vashishth	Internshala	1/7/2020	12/8/2020
20	Aryan kumar	CETPA INFOTECH PVT LTD	12/6/2020	31-03-2021
21	Asheesh Kumar	R CUBE FIRE PROTECTION SERVICES	12/6/2020	27-07-2020
22	ASHUTOSH BHARDWAJ	DHAMPUR SUGAR MILL	13-07-2020	27-08-2020
23	ASHUTOSH BHARDWAJ	DHAMPUR SUGAR MILL	23-07-2020	27-08-2020

24	Ashutosh Kumar	INTERNSHALA	1/7/2020	12/8/2020
25	Ayush Kumar	ESTC Kaniya Ramnagar	7/7/2020	31-07-2020
26	Ayush Kumar	ESTC Kaniya Ramnagar	7/7/2020	31-07-2020
27	Ayush kumar	ESTC kaniya Ramnagar	7/6/2020	31-07-2020
28	Himanshu yadav	ESTC kaniya Ramnagar	6/7/2020	31-07-2020
29	Kshitiz Shivam	Maruti suzuki Akanksha ,Rudrapur ,UK	15-08-2020	30-09-2020
30	Kshitiz Shivam	Maruti suzuki Akanksha ,Rudrapur ,UK	15-08-2020	30-09-2020
31	Lucky kumar	Internshala	1/7/2020	12/8/2020
32	Manjeet Singh	Autodesk	10/1/2020	29-02-2020
33	Mohammad Aqib	Internshala	9/7/2020	20-08-2020
34	Mohammad Salman	Coursera	29-07-2020	29-08-2020
35	Mohammad Zaki	Coursera	2/6/2020	21-07-2020
36	Mohd Amaan khan	Internshala	1/7/2020	31-07-2020
37	Mohd Samad khan	Focus India Export	4/9/2020	4/1/2021
38	Nitin Tomar	Internshala	10/7/2020	12/8/2020
39	Nitish Pandey	Msme Technology center	6/7/2020	31-07-2020
40	Oskar pourya	ESTC kaniya MSME Ramnagar	6/7/2020	31-07-2020
41	Prashant chaudhary	Internshala Trainings	1/7/2020	12/8/2020
42	Prateek kumar	Sam international Pvt LTD	23-07-2020	22-09-2021
43	Rajveer saini	Wazir Chand & CO .Pvt.Ltd	1/7/2020	12/8/2020
44	Rashi	Coursera	17-08-2020	23-10-2020

46	Rishabh Goel	Internshala	1/7/2020	12/8/2020
47	Ritik Chandra	Autodesk	10/7/2020	10/8/2020
48	Rohan Sharma	AutoDesk	15-07-2020	14-10-2020
49	Sambhav sharma	Autodesk	7/10/2020	10/11/2020
50	Sandeep sharma	ESTC KANIYA RAMNAGAR	6/7/2020	31-07-2020
51	Shashi Prakash	Radico khaitan	9/7/2020	9/9/2020
52	SIDDHANT SHARMA	B.braun Alcohon Parentrals pvt. Ltd.	1/7/2019	31-07-2019
53	Siddhartha raja	Internshala	15-06-2020	27-07-2020
54	SIRAJ AHMAD	Haseen engineering works & erector	25-07-2020	25-08-2020
55	Sourabh Kumar	Wheels India ltd	10/6/2019	25-07-2021
56	Subhash Chandra Pandey	Radico khaitan Pvt Ltd.	5/1/2021	9/2/2021
57	Vivek Gupta	Akansha Automobile Rudrapur	15-09-2020	15-10-2020
58	Vivek kumar	Akansha automobile rudarpur	15-09-2020	15-10-2020
59	Yogendra Pal Singh	Coursera	23-10-2020	10/12/2020
60	Zaeemulsajjad	Sugar mill seohara	6/12/2020	6/12/2020
61	Gaurav Rathor	Sugar Mill Dhampur	16-06-2020	16-07-2020
62	Shubham Shukla	Intrenshala training	8/7/2020	18-08-2020

16. Projects

Sr. No.	Project Title	Name of Student	Name of Guide/ co- guide
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1	Enhancing the efficiency of solar panel by using cooling system.	Abhinav Gupta Ayush Kumar Lalit Kumar Sambhav Sharma	Mohd. Talha Khan
2	Design and fabrication of automatic seed sowing machine.	Abhishek Chandra Shivam Kumar Atif Khan Ritik Chandra	Mr. Sandeep Varshney
3	Design and analysis Electric go-kart	Rashi Rohan Sharma Sandeep Sharma Sarathak Dixit	Mr. Shubham Vyas
4	Design optimization of a cost effective solar air heater	Rishabh Goel Mohd. Amaan Khan Tushar Gupta Anas beig	Mr. Arvind Kr. Singh
5	Development of solar thermal desalination plant using vacuum tubes and purification with the help of reverse osmosis	Siddhant Sharma Aishvarya Krishn Abhinav Kumar Gaurav Rathore Akash Gautam	Mr. Prashant Singh
6	Automatic roof net covering	Prashant Chaudhary Nitin Tomar Vivek Gupta Vivek Kumar Kshitiz Shivam	Mr. Deepak Singh
7	Fabrication of advanced autonomous agriboat	Akshat Dabas Aditya Sharma Prateek Kumar Rajveer Saini	Mr. Pravesh Chandra

		Anuj	
8	Portable electric device for mobile charging in undeveloped rural areas and hilly areas- A prominent application of thermoelectric generator	Mohd. Salman Mohd. Samad Khan Manjeet Singh Zaeemul Sajjad	Mr. Puneet Kumar
9	Fabrication and optimization of thermal performance of double pass solar air heater using four different configurations.	Mohd. Zaki Sourabh Kumar Ashutosh Bhardwaj Ayush Kumar Suneel Kumar	Mr. Arvind Kr. Singh
10	Design and fabrication of working model of emergency braking system	Siddhartha Raja Anurag Joshi Shashi Prakash Shubham Shukla Siraj Ahmad	Dr. Munish Chhabra
11	Design and fabrication of cost effective Mechanical ventilator	Anurag Vashishth Abdul Kabir Subhash Chandra Pandey Aryan Kumar	Mr. Ganesh Sharma
12	Design and fabrication of bluetooth controlled solar grass cutter.	Ankit Kumar Gangwar Lucky Kumar Rajat Saini Asheesh Kumar Rajnish Chauhan	Mr. Rakesh Kr. Gangwar
13	Comparative analysis of performance and emission of diesel engine by varying compression ratio	Mohd. Aqib Nitish Pandey Oskar Pourya Himanshu Yadav	Mr. Pavendra Kumar

14	Advanced dual axis solar tracker with parameter monitoring.	Ambesh Kumar Pal Yogendra Pal Singh Aman Agarwal Ashutosh Kumar	Mohd. Talha Khan
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17. Industrial Visits

Sr. No.	Name of Industry / Company Research Institute / Partnering Institution	Date of Visit	Number of Student Participated
1	N/A		

18. Functional Memorandum of Understanding (MoU)

Sr. No.	Name of Industry / Company Research Institute / Partnering Institution	Date of commencement	Duration
1	Sainik Enterprises, Moradabad	07/03/2018	Till Date
2	Metal Handicrafts Service Centre, Moradabad under control of Ministry of Textile, Govt. of India	13/04/2018	Till Date
3	AKGEC Skills Pvt. Ltd., Ghaziabad	19/04/2018	3 years
4	Sofcon Pvt. Ltd., Delhi	18/04/2018	3 years
5	Excelling Technologies	15/03/2019	Till Date

Section VII: Student Progression

19. Placements

Sr. No.	Name of Students	Name of Company
1.	Siddhant Sharma	Idemia
2.	Aatif Khan	K P Reliable Technique India Pvt. Ltd.
3.	Abhinav gupta	K P Reliable Technique India Pvt. Ltd.
4.	Abhinav Kumar	K P Reliable Technique India Pvt. Ltd.
5.	Abhishek Chandra	K P Reliable Technique India Pvt. Ltd.
6.	Ankit Kumar Gangwar	K P Reliable Technique India Pvt. Ltd.

7.	Kshitij Shivam	K P Reliable Technicque India Pvt. Ltd.
8.	Nitin Tomar	K P Reliable Technicque India Pvt. Ltd.
9.	Prashant Chaudhary	K P Reliable Technicque India Pvt. Ltd.
10.	Rajveer saini	K P Reliable Technicque India Pvt. Ltd.
11.	Rishabh Goel	K P Reliable Technicque India Pvt. Ltd.
12.	Rohan Sharma	K P Reliable Technicque India Pvt. Ltd.
13.	Saurabh Kumar	K P Reliable Technicque India Pvt. Ltd.
14.	Subhash Chandra Pandey	K P Reliable Technicque India Pvt. Ltd.
15.	Aryan Kumar	Marque Impex
16.	Prateek Kumar	Marque Impex
17.	Siddhartha Raja	Marque Impex
18.	Abdul Kabir	Marque Impex

20. Higher Education

Sr. No.	Name of Students	Name of Institution Admitted To	Name of Program Admitted To
1	N/A		

Section VIII Activity Conducted / Organized by Department

21. Technical Event / Workshop for Students

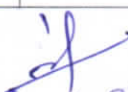
Sr. No.	Name of Event / Workshop	Organized under (Department / Student Association/ Profession Chapter/ Student Club)	Date of Event	Level (University /State/National /International)	No. Of Participants

1.	Auditions	MESS	ME students	Institute	25
2.	Vande matram	MESS	Students from all Courses	Institute	25
3.	Guru Brahma	MESS	Students from all Courses	Institute	30
4.	Webinar Series 1	MESS	ME students	Institute	35
5.	Webinar Series 2	MESS	ME students	Institute	35
6.	Webinar Series 3	MESS	ME students	Institute	35
7.	Webinar Series 4	MESS	ME students	Institute	35
8.	FEST-X	MESS	ME students	Institute	22
9.	BRAIN-BAAZ	MESS	Students from all Courses	Institute	27
10.	PICTURE PERFECT	MESS	Students from all Courses	Institute	12

22. FDP / Workshop/ STTP)/ Conference for faculty

Sr. No.	Name of Event / Workshop	Date of Event	Level (University/State/ National/International	No. of Participants
1	N/A			

Section IX: Achievements


Dr. Munish Chhabra
 Professor & Head
 Deptt. of Mechanical Engg.
 Moradabad Institute of Technology
 Moradabad - 244001

23. Awards and Prizes received by students

Sr. No.	Name of Student	Achievement / Position / Prize	Event Name Details	Organized by
1	Muskan bhatnagar	1st prize	Maa (on mother's day)	Csss, MIT
2	Muskan bhatnagar	3 rd	Virtual treasure hunt	Csss, MIT
3	Muskan bhatnagar	2nd prize	Jashn e watan	Csss, MIT
4	Uday varshney	Participated	Project a thon	IEEE
5	Pranav kumar singh	3rd prize	Quiz-o-pedia	IEEE
6	Pranav kumar singh	Consolation	Web guru	EESS, MIT
7	Vaibhav kumar singh	Participated	QUIZ-O-PEDIA	IEEE
8	Vaibhav kumar singh	First Rank	BRAINBAZZ	MESS, MIT
9	Vaibhav kumar singh	Participated	WEB GURU	EESS, MIT
10	Aarav sanket	Participated	Project a thon	IEEE
11	Mayank anand	Participated	Project a thon	IEEE
12	Abdul kabir	Participated	Webinar on best practices in laboratory safety management	Arts,science And commerce college, Chikhaldera
13	Abdul kabir	Participated	IISF2020	Ministry of Science & technology

24. Participation of teachers in various activities as members of committees at University level, State level, National level, International level bodies

Sr. No.	Name of Faculty	Members of committees at University level / State level /international Level as
1	Mr. Pavanendra Kumar	AICTE Level
2	Mohd. Talha Khan	University level

25. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Sr. No.	Name of Faculty	Name of Award
1	N/A	

26. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.

S.No.	Name of Faculty	FDP	Organised By	Duration
1.	Dr. Munish Chhabra	Additive Manufacturing with Interdisciplinary Applications	Dr. B R Ambedkar National Institute of Technology, Jalandhar	29 June -03 July'20 (5 days)
2.		Fundamentals and Applications of Additive Manufacturing (An Experimental Approach)	Rajkiya Engineering College, Mainpuri	21- 25 th Dec'20 (One week)
8.	Mr. Puneet Kumar	Corrosion Failure and Protection of Engineering Materials	IIT Kanpur	01- 06 March'21 (6 days)
9.		Research Methodology and its used in Education	MIT Moradabad	28 Dec- 01 Jan' 21 (5 days)
12.	Mr. Rakesh kr Gangwar	NAAC Accreditation	DIMR IQAC Cell & EduMentor	21 - 27 July' 20 (One week)
13.		Research Orientations in Engineering with effective Outcomes	Deptt. of Electrical and Electronics Engg.	26- 30 July' 20 (5 days)

			KIET	
14.				
15.	Mr. Deepak Singh	Additive Manufacturing with Interdisciplinary Applications	Dr. B R Ambedkar National Institute of Technology, Jalandhar	29 June -03 July'20 (5 days)
16.		Hybrid Manufacturing Processes: Opportunities and Challenges	Dr. B R Ambedkar National Institute of Technology, Jalandhar	06- 10 July'20 (5 days)
17.		Research Orientations in Engineering with effective outcomes	KIET Group of Institutions, Ghaziabad	26-30 July'20 (5 days)
18	Mr. Ganesh Sharma	Research Methodology and its used in Education	MIT Moradabad	28 Dec– 01 Jan' 21 (5 days)
19.	Mohd Talha Khan	Research Methodology and its used in Education	MIT Moradabad	28 Dec– 01 Jan' 21 (5 days)
24.	Mr. Shubham Vyas	Research Methodology and its used in Education	MIT Moradabad	28 Dec– 01 Jan' 21 (5 days)
25.		Understanding and implementing OBE in professional Education	G L Bajaj Institute of Technology and Management	23 – 29 Jan' 21 (5 days)
29.	Mr. Arvind Kumar	Computational Fluid Flow and Heat Transfer (Phase - 1)	Gayatri Vidya Parishad College of Engineering, Visakhapatnam	24 - 29 Aug' 20 (One week)
30.		Research Methodology and its used in Education	MIT Moradabad	28 Dec– 01 Jan' 21 (5 days)

32	Mr Sandeep Kumar	Additive Manufacturing with Interdisciplinary Applications	Dr. B R Ambedkar National Institute of Technology, Jalandhar	29 June -03 July'20 (5 days)
33		Industry 4.0 and Smart Manufacturing: Opportunities and Challenges	Dr. B R Ambedkar National Institute of Technology, Jalandhar	20 - 24 July'20 (5 days)
34		Reliability, Maintainability and Quality Issues in Process Industries	Dr. B R Ambedkar National Institute of Technology, Jalandhar	04- 08 Aug'20 (One week)

A. Observation of Audit Team

Number of research paper publications in department are less and need to improve.

28.08.21

B. Recommendation of Audit Team

As Covid restriction are normalised so Plan the industrial visit of students at the earliest.

Signature
Team member
28/08/21

Signature
Team member
28.08.21

Signature
Chairman

