(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF MECHANICAL ENGINEERING

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/ODD/2023-24/N-II4

Date: 09/10/2023

NOTICE

All the students of 3rd, 5th and 7th semester are hereby required to fill the **Student Feedback-I** which includes

Theory Feedback

3

Practical Feedback

Link for the above form is <u>http://103.211.62.98/sbjit_lms_student/</u>. The link will be open on 10t^h October 2023 and it will be close in on 17th October 2023. Register your genuine feedback. Your feedback will be helpful to improve the system.

Dr. Harish Bhatkulkar HoD Mechanical S.B.J.I.T.M.R., Nagpur.

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING 2 Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/139

Date: 26/10/2023

To, The Principal SBJITMR, Nagpur.

Subject: Students Feedback-I for Academic Session 2023-24 (ODD) for B.Tech. III, V and VII Semester.

Respected sir,

Department of mechanical engineering has successfully conducted the Students Feedback-I using the ION-CUDOS Platform. Students Feedback-I Report, Consolidated chart & Subject –Wise feedback for B.Tech. III, V and VII Semester are attached herewith for your kind information.

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING 2 Faton: Emerge as an excellent centre for Mechanical Engineering education

> Report on Student Feedback-I

Session: 2023-24 (ODD Semester)

Student Feedback-I was conducted using the ION-CUDOS platform. Question-wise feedback was generated on the ION-CUDOS platform for each course of the III, V and VII Semester. The summary was discussed with concerned faculty members by the Head of the Department.

The key observation and action are listed as follows:

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- The average Feedback of III Semester course was found to be 67.56 %.
- The average Feedback of V Semester course was found to be 73.69 %.
- The average Feedback of VII Semester course was found to be 74.01 %.
- The feedback is shown to the concerned course In-charge, the shortfall identified, and corrective actions suggested by the Head of the Department.
- Efforts of course In-charges were appreciated and motivated them to perform better.
- A letter of appreciation is issued to below mentioned faculty members for Excellent/Very Good feedback.
 - i. Prof. Faisal Hussain Kinematics of Machines (III- Semester)
 - ii. Prof. Pankaj Jaiswal Optimization Techniques (V- Semester)
 - iii. Prof. Prasad Mangalkar Automobile Engineering (VII- Semester)

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

B

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

Student Feedback-I Consolidated Chart 2023-2024 ODD Semester

Sr. No.	Course Name	Course In-charge	Students Feedback-I (%)
1	Engineering Mathematics - III	Dr. Manjushree Muley	56.36%
2	Engineering Thermodynamics	Mr. Himanshu Wagh	72.42%
3	Material Science and Metallurgy Lab	Mr. Yogesh Joshi	70.84%
4	Material Science and Metallurgy	Mr. Ajay Joshi	69.51%
5	Manufacturing Processes Lab	Mr. Archis Dhawale	67.27%
6	Manufacturing Processes	Mr. Archis Dhawale	60.63%
7	Machine Drawing and Solid Modeling Lab	Mr. Nikhil Shrikhande	65.44%
8	Algorithms & Data Structures Lab	Mr. Ajay Joshi	69.44%
9	Kinematics of Machines	Mr. Faisal Hussain	76.14%
	Fifth Semester	/Section-A	
- 1	Soft Skills-II	Prof. Sheenam Khan	68.15%
2	Design of Machine Elements	Mr. Faisal Hussain	79.30%
31	Heat Transfer Lab	Mr. Nikhil Shrikhande	72.04%
4	Heat Transfer	Mr. Himanshu Wagh	72.69%
5	Manufacturing Technology Lab	Mr. Nilesh Gowardipe	71.53%
6	Manufacturing Technology	Mr. Nilesh Gowardipe	68.64%
	Program Elective:- I	(Fifth Semester)	
1	Industrial Economics and Entrepreneurship Development	Mr. Sarvesh Biyani	74.59%
	Open Elective (Fi	fth Semester)	D. F. CHERRY
I	Optimization Techniques	Mr. Pankaj Jaiswal	82.58%
			40.03.40.0
	Seventh Semeste	er/Section-A	int internet
1	Applied Thermodynamics - II	Dr.Tushar Sathe	71.52%
2	Applied Thermodynamics - II LAB	Dr. Pankaj Wankhede	73.81%
	Seventh Semest	er/Section-R	13.0170
E	Applied Thermodynamics - II	Dr.Tushar Sathe	21.020
2	Applied Thermodynamics - II LAB	Mr. Shrikant Kathwate	71.52%
	Program Elective:- III	Soventh Samester)	69.68%
1	Industrial Engineering		
2	Introduction to Automotive powertrain	Mr. Sarvesh Biyani	73.90%
		Dr. Tushar Sathe	79.15%
1	Program Elective:- IV		
2	Refrigeration & Air Conditioning	Mr. Shrikant Kathwate	63.07%
	Non-Conventional Energy Sources	Mr. Yogesh Joshi	74.04%
	Open Elective (Sev	enth Semester)	
2	Automobile Engineering (Section - A)	Dr. Pankaj Wankhede	80.84%
	Automobile Engineering (Section - B)	Mr. Prasad Mangalkar	82.61%a

Dr. Harish Bhatkulkar Head of Department, ME

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision: Emerge as an excellent centre for Mechanical Engineering education



Ref: SBJITMR/ME/2023-24/ODD/ / 3.9

Date: 2.6/11/20 23

Letter of Appreciation

Dear Mr. Faisal Hussain,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Kinematics of Machine</u> of the <u>Third</u> Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

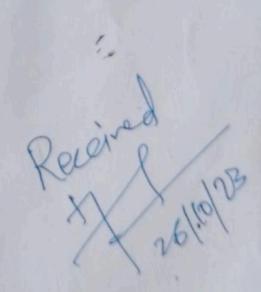
I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

Sincerely,

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HoD, ME, SBJITMR



(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref. SBJITMR/ME/2023-24/ODD/1 39

Date: 26/10/2023

Letter of Appreciation

Dear Mr. Pankaj Jaiswal,

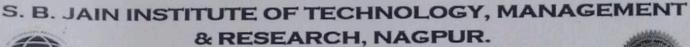
It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject **Optimization Techniques** of the **Fifth** Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

HoD, ME, SBJITMR



(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/13 9

Date: 26 /10/2023

Letter of Appreciation

Dear Mr. Prasad Mangalkar,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Automobile Engineering</u> of the <u>Seventh</u> Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

Sincerely,

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HoD, ME, SBJITMR

Received

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/ODD/2023-24/N-179

Date: 20-11-2023

NOTICE

All the students of 3rd, 5th and 7th semester are hereby required to fill the Student Feedback-II which includes

- Theory Feedback
- Practical Feedback

Link for the above form is <u>http://103.211.62.98/sbjit lms_student/</u>. The link will be open on 20^{th} November 2023 and it will be close in on 25^{th} November 2023. Register your genuine feedback. Your feedback will be helpful to improve the system.

Dr. Harish Bhatkulkar HoD Mechanical S.B.J.I.T.M.R., Nagpur.

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR. (An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/209

. Date: 4/12/2023

To, The Principal SBJITMR, Nagpur.

Subject: Students Feedback-II for Academic Session 2023-24 (ODD) for B.Tech. III, V and VII Semester.

Respected sir,

Department of mechanical engineering has successfully conducted the Students Feedback-II using the ION-CUDOS Platform. Students Feedback-II Report, Consolidated chart & Subject –Wise feedback for B.Tech. III, V and VII Semester are attached herewith for your kind information.

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision. Emerge as an excellent centre for Mechanical Engineering education

Report

on

Student Feedback-II

Session: 2023-24 (ODD Semester)

Student Feedback-II was conducted using the ION-CUDOS platform. Question-wise feedback was generated on the ION-CUDOS platform for each course of the III, V and VII Semester. The summary was discussed with concerned faculty members by the Head of the Department.

The key observation and action are listed as follows:

BLA

- The average Feedback of III Semester course was found to be 66.36 %.
- The average Feedback of V Semester course was found to be 73.99 %.
- The average Feedback of VII Semester course was found to be 74.77 %.
- The feedback is shown to the concerned course In-charge, the shortfall identified, and corrective actions suggested by the Head of the Department.
- > Efforts of course In-charges were appreciated and motivated them to perform better.
- Letter of appreciation is issued to below mentioned faculty members for Excellent/Very Good feedback.
 - i. Prof. Faisal Hussain Kinematics of Machines (III- Semester)
 - ii. Prof. Pankaj Jaiswal Optimization Techniques (V- Semester)
 - iii. Prof. Prasad Mangalkar Automobile Engineering (VII- Semester)

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT 100

& RESEARCH, NAGPUR.

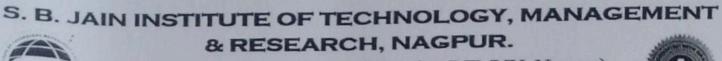
(An Autonomous Institute, Affiliated to RTMNU, Nagpur) (An Autonomous Institute, Affiliated to RTMARD, Pragman) DEPARTMENT OF MECHANICAL ENGINEERING 3 Vision: Emerge as an excellent centre for Mechanical Engineering education

Student Feedback-II Consolidated Chart 2023-2024 ODD Semester

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		Third Semester		Maria Lara Vi
Sr. No.	Course Name	Course In-charge	Students Feedback-I (%)	Students Feedback-II (%)
1	Engineering Mathematics - III	Dr. Manjushree Muley	56.36%	65.99%
2	Engineering Thermodynamics	Mr. Himanshu Wagh	72.42%	66.20%
3	Material Science and Metallurgy Lab	Mr. Yogesh Joshi	70.84%	67.49%
4	Material Science and Metallurgy	Mr. Ajay Joshi	69.51%	67.88%
5	Manufacturing Processes Lab	Mr. Archis Dhawale	67.27%	65.66%
6	Manufacturing Processes	Mr. Archis Dhawale	60.63%	60.28%
7	Machine Drawing and Solid Modeling Lab	Mr. Nikhil Shrikhande	65.44%	64.71%
8	Algorithms & Data Structures Lab	Mr. Ajay Joshi	69.44%	66.30%
9	Kinematics of Machines	Mr. Faisal Hussain	76.14%	72.79%
	Fifth	Semester/Section-A	Alla Char	
1	Soft Skills-II	Prof. Sheenam Khan	68.15%	74.11%
2	Design of Machine Elements	Mr. Faisal Hussain	79.30%	78.03%
3	Heat Transfer Lab	Mr. Nikhil Shrikhande	72.04%	76.36%
4	Heat Transfer	Mr. Himanshu Wagh	72.69%	73.45%
5	Manufacturing Technology Lab	Mr. Nilesh Gowardipe	71.53%	73.91%
6	Manufacturing Technology	Mr. Nilesh Gowardipe	68.64%	68.09%
	Program El	ective:- I (Fifth Sen	nester)	
1	Industrial Economics and Entrepreneurship Development	Mr. Sarvesh Biyani	74.59%	76.36%
	Open El	ective (Fifth Semest	er)	
1	Optimization Techniques	Mr. Pankaj Jaiswal	82.58%	82.75%
	Seventl	h Semester/Section-	A	
1	Applied Thermodynamics - II	Dr. Tushar Sathe	71.52%	71.15%
	Applied Thermodynamics - II LAB	Dr. Pankaj Wankhede	73.81%	75.99%
		Semester/Section-	and the second s	13.7770
1	Applied Thermodynamics - II	Dr. Tushar Sathe	71.52%	71.150/
	Applied Thermodynamics - II LAB	Mr. Shrikant Kathwate	69.68%	71.15%
Seller.		ive:- III (Seventh S		68.16%
1 1	Industrial Engineering	Mr. Sarvesh Biyani		
	Introduction to Automotive powertrain	Dr. Tushar Sathe	73.90%	70.50%
- 1		E The second	79.15%	78.52%
		ive:- IV (Seventh S	emester)	
	Refrigeration & Air Conditioning	Mr. Shrikant Kathwate	63.07%	70.82%
2 1	Non- Conventional Energy Sources	Mr. Yogesh Joshi	74.04%	72.30%
	Open Elec	tive (Seventh Semes	ster)	
A	Automobile Engineering (Section - A)	Dr. Pankaj Wankhede	80.84%	83.44%
A	Automobile Engineering (Section - B)			

STW Dr. Harish Bhatkulkar Head of Department, ME



(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/ 20 8

Date: 03/12/0023

Letter of Appreciation

Dear Mr. Faisal Hussain,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Kinematics of Machine</u> of the <u>Third</u> Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

HoD, ME, SBJITMR

Leceived 03/12/03

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/208

Date: 03/10/0023

Letter of Appreciation

Dear Mr. Pankaj Jaiswal,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Optimization Techniques</u> of the <u>Fifth</u> Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

HoD, ME, SBJITMR

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/ 208

Date: 03/12/2023

Letter of Appreciation

Dear Mr. Prasad Mangalkar,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Automobile Engineering</u> of the <u>Seventh</u> Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

HoD, ME, SBJITMR

Received If allina



Ref: SBJITMR/ME/EVEN/2023-24/N- 347

NOTICE

All the students of 4th, 6th and 8th semester are hereby required to fill the **Student Feedback-I** which includes

- Theory Feedback
- Practical Feedback

Link for the above form is <u>http://103.211.62.98/sbjit_lms_student/</u>. The link will be open on 6^{th} March 2024 and it will be close in on 11^{th} March 2024. Register your genuine feedback. Your feedback will be helpful to improve the system.

Date: 05/03/2024

Dr. Harish Bhatkulkar HoD Mechanical S.B.J.I.T.M.R., Nagpur.

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/EVEN/383

Date: 19/3/2024

To, The Principal SBJITMR, Nagpur.

Subject: Students Feedback-I for Academic Session 2023-24 (EVEN) for B.Tech. IV, VI and VIII Semester.

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Respected sir,

Department of mechanical engineering has successfully conducted the Students Feedback-I using the ION-CUDOS Platform. Students Feedback-I Report, Consolidated chart & Subject –Wise feedback for B.Tech. IV, VI and VIII Semester are attached herewith for your kind information.

Dr. Harish Bhatkulkar HoD, Mechanical Engineering Dept. of Mechanical Engg. S.B. Jain Instt. of Tech. Mang. & Resarch Nagpur - 441 501

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING

Vision: Emerge as an excellent centre for Mechanical Engineering education

Report

on

Student Feedback-I

Session: 2023-24 (EVEN Semester)

Student Feedback-I was conducted using the ION-CUDOS platform. Question-wise feedback was generated on the ION-CUDOS platform for each course of the IV, VI and VIII Semester. The summary was discussed with concerned faculty members by the Head of the Department.

The key observation and action are listed as follows:

- > The average Feedback of IV Semester course was found to be 71.73 %.
- > The average Feedback of VI Semester course was found to be 72.71 %.
- > The average Feedback of VIII Semester course was found to be 71.16 %.
- > The feedback is shown to the concerned course In-charge, the shortfall identified, and corrective actions suggested by the Head of the Department.
- > Efforts of course In-charges were appreciated and motivated them to perform better.

Dr. Harish Bhatkull HoD, Mechanical Engineering esarch Nagpur - 441 501



(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/EVEN/ 383

Date: 19/3/2024

Letter of Appreciation

Dear Mr. Prasad Mangalkar,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Energy System And Technology</u> of the <u>Fourth</u> Semester.

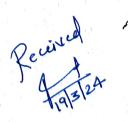
l appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

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HoD, ME, SBJITMR





S.B. JAIN INSTITUTE OF TECHNOLOGY,

MANAGEMENT AND RESEARCH, NAGPUR. (An Autonomous Institute, Affiliated to RTMNU Nagpur)



MECHANICAL ENGINEERING DEPARTMENT

Students Feedback Survey- I Consolidated Chart 2023-24 Even Semester

	- Fourth Ser	nester	
Sr. No.	Course Name	Course In-charge	SF-I (%)
1	Dynamics Of Machines	Mr. Faisal Hussain	75.00 %
2	Dynamics Of Machines Lab	Mr. Faisal Hussain	75.45 %
3	Engineering Mathematics-IV	Dr. Manjushree Mule	64.66 %
4	Fluid Mechanics and Machinery	Mr. Pankaj Jaiswal	67.39 %
5	Fluid Mechanics and Machinery Lab	Mr. Nikhil Shrikhande	69.38 %
6	Strength of Materials	Dr. Pankaj Wankhede	67.45 %
7	Strength of Materials Lab	Mr. Archis Dhawle	69.50 %
8	Soft Skills-I	Mr. Imran Khan	67.98 %
9	Python Programming Lab	Dr. Pankaj Wankhede	70.09 %
	Open Elective (Fou	rth Semester)	
1	Energy System and Technologies	Mr. Prasad Mangalkar	90.48 %
	Sixth Sem	ester	
Sr. No.	Course Name	Course In-charge	SF-I
1	Soft Skill-III	Ms. Sheenam Khan	74.45 %
2	Economics and Finance for Engineers	Mr. Siddharth Dongare	71.92 %
3	Applied Thermodynamics-I	Mr. Himanshu Wagh	73.41 %
4	Computer Aided Design	Mr. Yogesh Joshi	75.45 %
5	Computer Aided Design lab	Mr. Yogesh Joshi	76.43 %
6	Instrumentation & Metrology Lab	Mr. Shrikant Kathwate	70.31 %
7	Instrumentation & Metrology	Mr. Ajay Joshi	70.58 %
/	Program Elective (S	ixth Semester)	
1	Chassis system design	Dr. Tushar Sathe	78.90 %
2	Statistics and Quality Control	Mr. Sarvesh Biyani	66.36 %
2	Open Elective (Six	th Semester)	
1	Smart Manufacturing	Mr. Archis Dhawale	69.29 %
1	Eight Sem	ester	
	Course Name	Course In-charge	SF-I
Sr. No.	Design of Mechanical Drives (Section- A)	Mr. Vinod Suple	68.46 %
1	Design of Mechanical Drives (Section- B)	Mr. Nilesh Gowardipe	68.46 %
2	Program Elective (E	ight Semester)	
	Automation in Production	Dr. Pankaj Wankhede	69.01 %
1		Mr. Shrikant Kathwate	75.45 %
2	Cryogenics	Mr. Ajay Joshi	74.66 %
2	Production Planning and Control	Mr. Ajay Joshi	/4.00 /0

Dr. Harish Bhatkulkar Head of Department, MErcal Enge Dept. of Tech. Mang. 8 Resarch S.B. Jain Instit. of Tech. Mang. 8 Resarch Nagpur - 441 501

24



Ref: SBJITMR/ME/EVEN/2023-24/N- 448

Date: 12/4/2014

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NOTICE

All the students of 4th, 6th and 8th semester are hereby required to fill the **Student Feedback-II** which includes

- Theory Feedback
- Practical Feedback

Link for the above form is <u>http://103.211.62.98/sbjit_lms_student/</u>. The link will be open on 13^{th} April 2024 and it will be close in on 19^{th} April 2024. Register your genuine feedback. Your feedback will be helpful to improve the system.

Dr. Harish Bhatkulkar HoD Mechanical Dept. of Mechanical Engo. S.B. Jain Institution Inc., Nagnus Resarch Nagpur - 441 501

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR. (An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF MECHANICAL ENGINEERING Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/EVEN/468

Date: 25/4/2024

To, The Principal SBJITMR, Nagpur.

Subject: Students Feedback-II for Academic Session 2023-24 (EVEN) for B.Tech. IV, VI and VIII Semester.

Respected sir,

Department of mechanical engineering has successfully conducted the Students Feedback-II using the ION-CUDOS Platform. Students Feedback-II Report, Consolidated chart & Subject –Wise feedback for B.Tech. IV, VI and VIII Semester are attached herewith for your kind information.

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision: Emerge as an excellent centre for Mechanical Engineering education

Report on Student Feedback-II

Session: 2023-24 (EVEN Semester)

Student Feedback-II was conducted using the ION-CUDOS platform. Question-wise feedback was generated on the ION-CUDOS platform for each course of the IV, VI and VIII Semester. The summary was discussed with concerned faculty members by the Head of the Department.

The key observation and action are listed as follows:

- ▶ The average Feedback of IV Semester course was found to be 71.66 %.
- ➤ The average Feedback of VI Semester course was found to be 72.55 %.
- ➤ The average Feedback of VIII Semester course was found to be 73.10 %.
- > The feedback is shown to the concerned course In-charge, the shortfall identified, and corrective actions suggested by the Head of the Department.
- > Efforts of course In-charges were appreciated and motivated them to perform better.

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

S.B. JAIN INSTITUTE OF TECHNOLOGY,



MANAGEMENT AND RESEARCH, NAGPUR. (An Autonomous Institute, Affiliated to RTMNU Nagpur)

MECHANICAL ENGINEERING DEPARTMENT

"Emerge as a leading Institute for developing competent and creative Professionals"

Students Feedback Survey- II Consolidated Chart 2023-24 Even Semester

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	1	er	Fourth Seme	
SF-II (SF-I (%)	Course In-charge	Course Name	
71.52	75.00 %	Mr. Faisal Hussain		Sr. No.
68.82	75.45 %	Mr. Faisal Hussain	Dynamics Of Machines	1
67.82	64.66 %	Dr. Manjushree Mule	Dynamics Of Machines Lab	2
67.39	67.39 %		Engineering Mathematics-IV	3
71.93	69.38 %	Mr. Pankaj Jaiswal	Fluid Mechanics and Machinery	4
74.09	67.45 %	Mr. Nikhil Shrikhande	Fluid Mechanics and Machinery Lab	5
71.79	69.50 %	Dr. Pankaj Wankhede	Strength of Materials	
69.66	67.98 %	Mr. Archis Dhawle	Strength of Materials Lab	6
69.89	70.09 %	WIT. HIM div a series		7
	DI. Tanky		8	
83.71	90.48 %	Semester)	Python Programming Lab Open Elective (Fourth	9
		Mr. Prasad Mangalkar	Energy System and Technologies	
SF-II (SF-I (%)		Energy System and recemency Sixth Semest	1
72.76	74.45 %	Course In-charge		
71.00	71.92 %	Ms. Sheenam Khan	Course Name	Sr. No.
74.55	73.41 %	Mr. Siddharth Dongare	Soft Skill-III	1
72.88	75.45 %	Mr. Himanshu Wagh	Economics and Finance for Engineers	2
70.68	76.43 %	Mr. Yogesh Joshi	Applied Thermodynamics-I	3
70.68	70.31 %	Mr. Yogesh Joshi	Computer Aided Design	4
71.72	70.58 %	Mr. Shrikant Kathwate	Computer Aided Design lab	5
	70.0071	Mr. Ajay Joshi	Instrumentation & Metrology Lab	6
77.25	78.90 %	Semester)	Instrumentation & Metrology Program Elective (Sixt	7
68.26		Dr. Tushar Sathe		
00.20	66.36 %	Mr. Sarvesh Biyani	Chassis system design	I
75.67		emester)	Statistics and Quality Control Open Elective (Sixth	2
73.07	69.29 %	Mr. Archis Dhawale	Open Elective (Sixth	2
SF-II (Smart Manufacturing	1
	SF-I (%)	Course In-charge	Eight Semest	1
69.05	68.46 %	Mr. Vinod Suple	Course Name	
71.45	68.46 %	Mr. Nilesh Gowardipe	Design of Mechanical Drives (Section- A)	Sr. No,
			i Duives (Section- D)	1
72.08	69.01 %	Dr. Pankaj Wankhede	Design of Mechanical Drives (Section Program Elective (Eigh	2
74.81	75.45 %	Mr. Shrikant Kathwate	Automation in Production	
77.69	74.66 %		Cryogenics	1
73.51	70.97 %	Mr. Ajay Joshi Mr. Nikhil Shrikhande	Production Planning and Control	2
	h Bhatkulkar	Mr. Nikilli Sulikianae	Solar Energy Utilization	3

Dr. Harish Bhatkulkar Head of Department, ME.

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF MECHANICAL ENGINEERING

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/ODD/2023-24/N-II4

Date: 09/10/2023

NOTICE

All the students of 3rd, 5th and 7th semester are hereby required to fill the **Student Feedback-I** which includes

Theory Feedback

3

Practical Feedback

Link for the above form is <u>http://103.211.62.98/sbjit_lms_student/</u>. The link will be open on 10t^h October 2023 and it will be close in on 17th October 2023. Register your genuine feedback. Your feedback will be helpful to improve the system.

Dr. Harish Bhatkulkar HoD Mechanical S.B.J.I.T.M.R., Nagpur.

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/139

Date: 26/10/2023

To, The Principal SBJITMR, Nagpur.

Subject: Students Feedback-I for Academic Session 2023-24 (ODD) for B.Tech. III, V and VII Semester.

Respected sir,

Department of mechanical engineering has successfully conducted the Students Feedback-I using the ION-CUDOS Platform. Students Feedback-I Report, Consolidated chart & Subject –Wise feedback for B.Tech. III, V and VII Semester are attached herewith for your kind information.

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING 2 Faton: Emerge as an excellent centre for Mechanical Engineering education

> Report on Student Feedback-I

Session: 2023-24 (ODD Semester)

Student Feedback-I was conducted using the ION-CUDOS platform. Question-wise feedback was generated on the ION-CUDOS platform for each course of the III, V and VII Semester. The summary was discussed with concerned faculty members by the Head of the Department.

The key observation and action are listed as follows:

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- The average Feedback of III Semester course was found to be 67.56 %.
- The average Feedback of V Semester course was found to be 73.69 %.
- The average Feedback of VII Semester course was found to be 74.01 %.
- The feedback is shown to the concerned course In-charge, the shortfall identified, and corrective actions suggested by the Head of the Department.
- Efforts of course In-charges were appreciated and motivated them to perform better.
- A letter of appreciation is issued to below mentioned faculty members for Excellent/Very Good feedback.
 - i. Prof. Faisal Hussain Kinematics of Machines (III- Semester)
 - ii. Prof. Pankaj Jaiswal Optimization Techniques (V- Semester)
 - iii. Prof. Prasad Mangalkar Automobile Engineering (VII- Semester)

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

B

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

Student Feedback-I Consolidated Chart 2023-2024 ODD Semester

Sr. No.	Course Name	Course In-charge	Students Feedback-I (%)
1	Engineering Mathematics - III	Dr. Manjushree Muley	56.36%
2	Engineering Thermodynamics	Mr. Himanshu Wagh	72.42%
3	Material Science and Metallurgy Lab	Mr. Yogesh Joshi	70.84%
4	Material Science and Metallurgy	Mr. Ajay Joshi	69.51%
5	Manufacturing Processes Lab	Mr. Archis Dhawale	67.27%
6	Manufacturing Processes	Mr. Archis Dhawale	60.63%
7	Machine Drawing and Solid Modeling Lab	Mr. Nikhil Shrikhande	65.44%
8	Algorithms & Data Structures Lab	Mr. Ajay Joshi	69.44%
9	Kinematics of Machines	Mr. Faisal Hussain	76.14%
	Fifth Semester	/Section-A	
- 1	Soft Skills-II	Prof. Sheenam Khan	68.15%
2	Design of Machine Elements	Mr. Faisal Hussain	79.30%
31	Heat Transfer Lab	Mr. Nikhil Shrikhande	72.04%
4	Heat Transfer	Mr. Himanshu Wagh	72.69%
5	Manufacturing Technology Lab	Mr. Nilesh Gowardipe	71.53%
6	Manufacturing Technology	Mr. Nilesh Gowardipe	68.64%
	Program Elective:- I	(Fifth Semester)	
1	Industrial Economics and Entrepreneurship Development	Mr. Sarvesh Biyani	74.59%
	Open Elective (Fi	fth Semester)	D. COLLER MAR
I	Optimization Techniques	Mr. Pankaj Jaiswal	82.58%
			40.03.40.0
	Seventh Semest	er/Section-A	
1	Applied Thermodynamics - II	Dr.Tushar Sathe	71.52%
2	Applied Thermodynamics - II LAB	Dr. Pankaj Wankhede	73.81%
	Seventh Semest	er/Section-R	13.0170
E	Applied Thermodynamics - II	Dr.Tushar Sathe	21.620
2	Applied Thermodynamics - II LAB	Mr. Shrikant Kathwate	71.52%
	Program Elective:- III	Soventh Samester)	69.68%
1	Industrial Engineering		
2	Introduction to Automotive powertrain	Mr. Sarvesh Biyani	73.90%
		Dr. Tushar Sathe	79.15%
1	Program Elective:- IV		
2	Refrigeration & Air Conditioning	Mr. Shrikant Kathwate	63.07%
	Non-Conventional Energy Sources	Mr. Yogesh Joshi	74.04%
	Open Elective (Sev	enth Semester)	
2	Automobile Engineering (Section - A)	Dr. Pankaj Wankhede	80.84%
	Automobile Engineering (Section - B)	Mr. Prasad Mangalkar	82.61%a

Dr. Harish Bhatkulkar Head of Department, ME

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision: Emerge as an excellent centre for Mechanical Engineering education



Ref: SBJITMR/ME/2023-24/ODD/ / 3.9

Date: 2.6/11/20 23

Letter of Appreciation

Dear Mr. Faisal Hussain,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Kinematics of Machine</u> of the <u>Third</u> Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

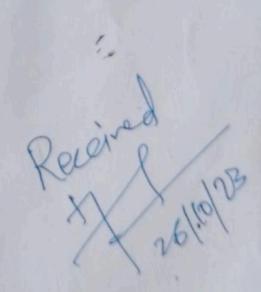
I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

Sincerely,

3

HoD, ME, SBJITMR



(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref. SBJITMR/ME/2023-24/ODD/1 39

Date: 26/10/2023

Letter of Appreciation

Dear Mr. Pankaj Jaiswal,

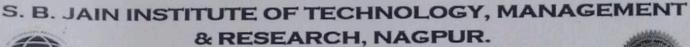
It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject **Optimization Techniques** of the **Fifth** Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

HoD, ME, SBJITMR



(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/13 9

Date: 26 /10/2023

Letter of Appreciation

Dear Mr. Prasad Mangalkar,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Automobile Engineering</u> of the <u>Seventh</u> Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

Sincerely,

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HoD, ME, SBJITMR

Received

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/ODD/2023-24/N-179

Date: 20-11-2023

NOTICE

All the students of 3rd, 5th and 7th semester are hereby required to fill the Student Feedback-II which includes

- Theory Feedback
- Practical Feedback

Link for the above form is <u>http://103.211.62.98/sbjit lms_student/</u>. The link will be open on 20^{th} November 2023 and it will be close in on 25^{th} November 2023. Register your genuine feedback. Your feedback will be helpful to improve the system.

Dr. Harish Bhatkulkar HoD Mechanical S.B.J.I.T.M.R., Nagpur.

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR. (An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/209

. Date: 4/12/2023

To, The Principal SBJITMR, Nagpur.

Subject: Students Feedback-II for Academic Session 2023-24 (ODD) for B.Tech. III, V and VII Semester.

Respected sir,

Department of mechanical engineering has successfully conducted the Students Feedback-II using the ION-CUDOS Platform. Students Feedback-II Report, Consolidated chart & Subject –Wise feedback for B.Tech. III, V and VII Semester are attached herewith for your kind information.

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision. Emerge as an excellent centre for Mechanical Engineering education

Report

on

Student Feedback-II

Session: 2023-24 (ODD Semester)

Student Feedback-II was conducted using the ION-CUDOS platform. Question-wise feedback was generated on the ION-CUDOS platform for each course of the III, V and VII Semester. The summary was discussed with concerned faculty members by the Head of the Department.

The key observation and action are listed as follows:

BLA

- The average Feedback of III Semester course was found to be 66.36 %.
- The average Feedback of V Semester course was found to be 73.99 %.
- The average Feedback of VII Semester course was found to be 74.77 %.
- The feedback is shown to the concerned course In-charge, the shortfall identified, and corrective actions suggested by the Head of the Department.
- > Efforts of course In-charges were appreciated and motivated them to perform better.
- Letter of appreciation is issued to below mentioned faculty members for Excellent/Very Good feedback.
 - i. Prof. Faisal Hussain Kinematics of Machines (III- Semester)
 - ii. Prof. Pankaj Jaiswal Optimization Techniques (V- Semester)
 - iii. Prof. Prasad Mangalkar Automobile Engineering (VII- Semester)

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT 100

& RESEARCH, NAGPUR.

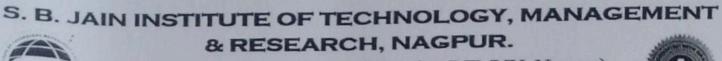
(An Autonomous Institute, Affiliated to RTMNU, Nagpur) (An Autonomous Institute, Affiliated to RTMARD, Pragman) DEPARTMENT OF MECHANICAL ENGINEERING 3 Vision: Emerge as an excellent centre for Mechanical Engineering education

Student Feedback-II Consolidated Chart 2023-2024 ODD Semester

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		Third Semester		Maria Lara Vi
Sr. No.	Course Name	Course In-charge	Students Feedback-I (%)	Students Feedback-II (%)
1	Engineering Mathematics - III	Dr. Manjushree Muley	56.36%	65.99%
2	Engineering Thermodynamics	Mr. Himanshu Wagh	72.42%	66.20%
3	Material Science and Metallurgy Lab	Mr. Yogesh Joshi	70.84%	67.49%
4	Material Science and Metallurgy	Mr. Ajay Joshi	69.51%	67.88%
5	Manufacturing Processes Lab	Mr. Archis Dhawale	67.27%	65.66%
6	Manufacturing Processes	Mr. Archis Dhawale	60.63%	60.28%
7	Machine Drawing and Solid Modeling Lab	Mr. Nikhil Shrikhande	65.44%	64.71%
8	Algorithms & Data Structures Lab	Mr. Ajay Joshi	69.44%	66.30%
9	Kinematics of Machines	Mr. Faisal Hussain	76.14%	72.79%
	Fifth	Semester/Section-A	Alla Char	
1	Soft Skills-II	Prof. Sheenam Khan	68.15%	74.11%
2	Design of Machine Elements	Mr. Faisal Hussain	79.30%	78.03%
3	Heat Transfer Lab	Mr. Nikhil Shrikhande	72.04%	76.36%
4	Heat Transfer	Mr. Himanshu Wagh	72.69%	73.45%
5	Manufacturing Technology Lab	Mr. Nilesh Gowardipe	71.53%	73.91%
6	Manufacturing Technology	Mr. Nilesh Gowardipe	68.64%	68.09%
	Program El	ective:- I (Fifth Sen	nester)	
1	Industrial Economics and Entrepreneurship Development	Mr. Sarvesh Biyani	74.59%	76.36%
	Open El	ective (Fifth Semest	er)	
1	Optimization Techniques	Mr. Pankaj Jaiswal	82.58%	82.75%
	Seventl	h Semester/Section-	A	÷
1	Applied Thermodynamics - II	Dr. Tushar Sathe	71.52%	71.15%
	Applied Thermodynamics - II LAB	Dr. Pankaj Wankhede	73.81%	75.99%
		Semester/Section-	and the second s	13.7770
1	Applied Thermodynamics - II	Dr. Tushar Sathe	71.52%	71.150/
	Applied Thermodynamics - II LAB	Mr. Shrikant Kathwate	69.68%	71.15%
Seller.		ive:- III (Seventh S		68.16%
1 1	Industrial Engineering	Mr. Sarvesh Biyani		
	Introduction to Automotive powertrain	Dr. Tushar Sathe	73.90%	70.50%
- 1		E The second	79.15%	78.52%
		ive:- IV (Seventh S	emester)	
	Refrigeration & Air Conditioning	Mr. Shrikant Kathwate	63.07%	70.82%
2 1	Non- Conventional Energy Sources	Mr. Yogesh Joshi	74.04%	72.30%
	Open Elec	tive (Seventh Semes	ster)	
A	Automobile Engineering (Section - A)	Dr. Pankaj Wankhede	80.84%	83.44%
A	Automobile Engineering (Section - B)			

STW Dr. Harish Bhatkulkar Head of Department, ME



(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/ 20 8

Date: 03/12/0023

Letter of Appreciation

Dear Mr. Faisal Hussain,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Kinematics of Machine</u> of the <u>Third</u> Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

HoD, ME, SBJITMR

Leceived 03/12/03

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/208

Date: 03/10/0023

Letter of Appreciation

Dear Mr. Pankaj Jaiswal,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Optimization Techniques</u> of the <u>Fifth</u> Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

HoD, ME, SBJITMR

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/ 208

Date: 03/12/2023

Letter of Appreciation

Dear Mr. Prasad Mangalkar,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Automobile Engineering</u> of the <u>Seventh</u> Semester.

I appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

Sincerely,

HoD, ME, SBJITMR

Received



Ref: SBJITMR/ME/EVEN/2023-24/N- 347

NOTICE

All the students of 4th, 6th and 8th semester are hereby required to fill the **Student Feedback-I** which includes

- Theory Feedback
- Practical Feedback

Link for the above form is <u>http://103.211.62.98/sbjit_lms_student/</u>. The link will be open on 6^{th} March 2024 and it will be close in on 11^{th} March 2024. Register your genuine feedback. Your feedback will be helpful to improve the system.

Date: 05/03/2024

Dr. Harish Bhatkulkar HoD Mechanical S.B.J.I.T.M.R., Nagpur.

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/EVEN/383

Date: 19/3/2024

To, The Principal SBJITMR, Nagpur.

Subject: Students Feedback-I for Academic Session 2023-24 (EVEN) for B.Tech. IV, VI and VIII Semester.

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Respected sir,

Department of mechanical engineering has successfully conducted the Students Feedback-I using the ION-CUDOS Platform. Students Feedback-I Report, Consolidated chart & Subject –Wise feedback for B.Tech. IV, VI and VIII Semester are attached herewith for your kind information.

Dr. Harish Bhatkulkar HoD, Mechanical Engineering Dept. of Mechanical Engg. S.B. Jain Instt. of Tech. Mang. & Resarch Nagpur - 441 501

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING

Vision: Emerge as an excellent centre for Mechanical Engineering education

Report

on

Student Feedback-I

Session: 2023-24 (EVEN Semester)

Student Feedback-I was conducted using the ION-CUDOS platform. Question-wise feedback was generated on the ION-CUDOS platform for each course of the IV, VI and VIII Semester. The summary was discussed with concerned faculty members by the Head of the Department.

The key observation and action are listed as follows:

- > The average Feedback of IV Semester course was found to be 71.73 %.
- > The average Feedback of VI Semester course was found to be 72.71 %.
- > The average Feedback of VIII Semester course was found to be 71.16 %.
- > The feedback is shown to the concerned course In-charge, the shortfall identified, and corrective actions suggested by the Head of the Department.
- > Efforts of course In-charges were appreciated and motivated them to perform better.

Dr. Harish Bhatkull HoD, Mechanical Engineering esarch Nagpur - 441 501



(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/EVEN/ 383

Date: 19/3/2024

Letter of Appreciation

Dear Mr. Prasad Mangalkar,

It is with deep regard and respect that I would like to express my gratitude towards your excellent teaching skills and courteous personality that has helped the students of the Mechanical department tremendously in the subject <u>Energy System And Technology</u> of the <u>Fourth</u> Semester.

l appreciate you being stern but at the same time being patient enough to address the queries generated by students. It is comforting to know that you have always thought from the students' perspective and have imparted them subject knowledge to the best of your capabilities.

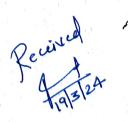
I sincerely hope that you continue doing your good work in the future as well.

Thank you for being a remarkable teacher.

Sincerely,

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HoD, ME, SBJITMR





S.B. JAIN INSTITUTE OF TECHNOLOGY,

MANAGEMENT AND RESEARCH, NAGPUR. (An Autonomous Institute, Affiliated to RTMNU Nagpur)



MECHANICAL ENGINEERING DEPARTMENT

Students Feedback Survey- I Consolidated Chart 2023-24 Even Semester

	- Fourth Ser	nester	
Sr. No.	Course Name	Course In-charge	SF-I (%)
1	Dynamics Of Machines	Mr. Faisal Hussain	75.00 %
2	Dynamics Of Machines Lab	Mr. Faisal Hussain	75.45 %
3	Engineering Mathematics-IV	Dr. Manjushree Mule	64.66 %
4	Fluid Mechanics and Machinery	Mr. Pankaj Jaiswal	67.39 %
5	Fluid Mechanics and Machinery Lab	Mr. Nikhil Shrikhande	69.38 %
6	Strength of Materials	Dr. Pankaj Wankhede	67.45 %
7	Strength of Materials Lab	Mr. Archis Dhawle	69.50 %
8	Soft Skills-I	Mr. Imran Khan	67.98 %
9	Python Programming Lab	Dr. Pankaj Wankhede	70.09 %
	Open Elective (Fou	rth Semester)	
1	Energy System and Technologies	Mr. Prasad Mangalkar	90.48 %
	Sixth Sem	ester	
Sr. No.	Course Name	Course In-charge	SF-I
1	Soft Skill-III	Ms. Sheenam Khan	74.45 %
2	Economics and Finance for Engineers	Mr. Siddharth Dongare	71.92 %
3	Applied Thermodynamics-I	Mr. Himanshu Wagh	73.41 %
4	Computer Aided Design	Mr. Yogesh Joshi	75.45 %
5	Computer Aided Design lab	Mr. Yogesh Joshi	76.43 %
6	Instrumentation & Metrology Lab	Mr. Shrikant Kathwate	70.31 %
7	Instrumentation & Metrology	Mr. Ajay Joshi	70.58 %
/	Program Elective (S	ixth Semester)	
1	Chassis system design	Dr. Tushar Sathe	78.90 %
2	Statistics and Quality Control	Mr. Sarvesh Biyani	66.36 %
Z	Open Elective (Six	th Semester)	
1	Smart Manufacturing	Mr. Archis Dhawale	69.29 %
1	Eight Sem	ester	
	Course Name	Course In-charge	SF-I
Sr. No.	Design of Mechanical Drives (Section- A)	Mr, Vinod Suple	68.46 %
1	Design of Mechanical Drives (Section- B)	Mr. Nilesh Gowardipe	68.46 %
2	Program Elective (E	ight Semester)	
	Automation in Production	Dr. Pankaj Wankhede	69.01 %
1		Mr. Shrikant Kathwate	75.45 %
2	Cryogenics Production Planning and Control	Mr. Ajay Joshi	74.66 %
3		Mr. Nikhil Shrikhande	70.97 %
4	Solar Energy Utilization		artin -

Dr. Harish Bhatkulkar Head of Department, MErcal Enge Dept. of Tech. Mang. 8 Resarch S.B. Jain Instit. of Tech. Mang. 8 Resarch Nagpur - 441 501

24



Ref: SBJITMR/ME/EVEN/2023-24/N- 448

Date: 12/4/2014

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NOTICE

All the students of 4th, 6th and 8th semester are hereby required to fill the **Student Feedback-II** which includes

- Theory Feedback
- Practical Feedback

Link for the above form is <u>http://103.211.62.98/sbjit_lms_student/</u>. The link will be open on 13^{th} April 2024 and it will be close in on 19^{th} April 2024. Register your genuine feedback. Your feedback will be helpful to improve the system.

Dr. Harish Bhatkulkar HoD Mechanical Dept. of Mechanical Engo. S.B. Jain Institution Inc., Nagnus Resarch Nagpur - 441 501

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR. (An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF MECHANICAL ENGINEERING Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/EVEN/468

Date: 25/4/2024

To, The Principal SBJITMR, Nagpur.

Subject: Students Feedback-II for Academic Session 2023-24 (EVEN) for B.Tech. IV, VI and VIII Semester.

Respected sir,

Department of mechanical engineering has successfully conducted the Students Feedback-II using the ION-CUDOS Platform. Students Feedback-II Report, Consolidated chart & Subject –Wise feedback for B.Tech. IV, VI and VIII Semester are attached herewith for your kind information.

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING Vision: Emerge as an excellent centre for Mechanical Engineering education

Report on Student Feedback-II

Session: 2023-24 (EVEN Semester)

Student Feedback-II was conducted using the ION-CUDOS platform. Question-wise feedback was generated on the ION-CUDOS platform for each course of the IV, VI and VIII Semester. The summary was discussed with concerned faculty members by the Head of the Department.

The key observation and action are listed as follows:

- ▶ The average Feedback of IV Semester course was found to be 71.66 %.
- ➤ The average Feedback of VI Semester course was found to be 72.55 %.
- ➤ The average Feedback of VIII Semester course was found to be 73.10 %.
- > The feedback is shown to the concerned course In-charge, the shortfall identified, and corrective actions suggested by the Head of the Department.
- > Efforts of course In-charges were appreciated and motivated them to perform better.

Dr. Harish Bhatkulkar HoD, Mechanical Engineering

S.B. JAIN INSTITUTE OF TECHNOLOGY,



MANAGEMENT AND RESEARCH, NAGPUR. (An Autonomous Institute, Affiliated to RTMNU Nagpur)

MECHANICAL ENGINEERING DEPARTMENT

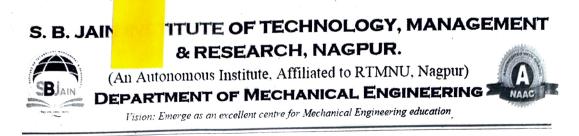
"Emerge as a leading Institute for developing competent and creative Professionals"

Students Feedback Survey- II Consolidated Chart 2023-24 Even Semester

B

		ter	Fourth Seme	
SF-11 (SF-I (%)	Course In-charge	Course Name	
71.52	75.00 %	Mr. Faisal Hussain		Sr. No.
68.82	75.45 %	Mr. Faisal Hussain	Dynamics Of Machines	1
67.82	64.66 %	Dr. Manjushree Mule	Dynamics Of Machines Lab	2
67.39	67.39 %		Engineering Mathematics-IV	3
71.93	69.38 %	Mr. Pankaj Jaiswal	Fluid Mechanics and Machinery	4
74.09	67.45 %	Mr. Nikhil Shrikhande	Fluid Mechanics and Machinery Lab	5
71.79	69.50 %	Dr. Pankaj Wankhede	Strength of Materials	
69.66	67.98 %	Mr. Archis Dhawle	Strength of Materials Lab	6
69.89	70.09 %	Mr. Imran Khan	Soft Skills-I	7
		Dr. Pankaj Wankhede	D maning Lab	8
83.71	90.48 %	Semester)	Python Programming Lab Open Elective (Fourth	9
		Mr. Prasad Mangalkar	Energy System and Technologies	
SF-II (SF-I (%)	r	Energy System and Teenmerry Sixth Semest	1
72.76	74.45 %	Course In-charge		
71.00 9	71.92 %	Ms. Sheenam Khan	Course Name	Sr. No.
74.55	73.41 %	Mr. Siddharth Dongare	Soft Skill-III	1
72.88	75.45 %	Mr. Himanshu Wagh	Economics and Finance for Engineers	2
70.68	76.43 %	Mr. Yogesh Joshi	Applied Thermodynamics-I	3
70.68	70.31 %	Mr. Yogesh Joshi	Computer Aided Design	4
71.72 9	70.58 %	Mr. Shrikant Kathwate	Computer Aided Design lab	5
	70.50 70	Mr. Ajay Joshi	Instrumentation & Metrology Lab	6
77.25 9	78.90 %	Semester)	Instrumentation & Metrology Program Elective (Sixth	7
68.26		Dr. Tushar Sathe		
00.20	66.36 %	Mr. Sarvesh Biyani	Chassis system design	1
75.67		L C C C C C C C C C C C C C C C C C C C	Statistics and Quality Control Open Elective (Sixth S	2
/3.07	69.29 %	Mr. Archis Dhawale	Open Elective (Sixtin	2
			Smart Manufacturing	1
SF-II (SF-I (%)	Course In-charge	Eight Semicor	1
69.05	68.46 %	Mr. Vinod Suple	Course Name	
71.45 9	68.46 %	Mr. Nilesh Gowardipe	Design of Mechanical Drives (Section- A)	Sr. No,
			Duives (Section- D)	1
72.08 9	69.01 %	Dr. Pankaj Wankhede	Design of Mechanical Dives (Section 4) Program Elective (Eigh	2
74.81	75.45 %	Mr. Shrikant Kathwate	Automation in Production	
77.69 9	74.66 %		Cryogenics *	1
73.51	70.97 %	Mr. Ajay Joshi	Production Planning and Control	2
	h Bhatkulkar	Mr. Nikhil Shrikhande	Solar Energy Utilization	3

Dr. Harish Bhatkulkar Head of Department, ME.



Ref: SBJITMR/ME/ODD/2023-24/N-200

Date: 29/11/2023

NOTICE

All the students of 3rd, 5th and 7th semester are hereby required to fill the Course End Survey and Students Satisfactory Survey.

The feedback is supposed to be given on the IONLMS platform through the link http://103.211.62.98/sbjit lms student/ which will be activated between 30/11/2023 to 07/12/2023. Register your genuine feedback. Your feedback will be helpful to improve system.

Dr. Harish Bhatkulkar HoD Mechanical S.B.J.I.T.M.R., Nagpur.

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR. (An Autonomous Institute, Affiliated to RTMNU, Nagpur)

(An Autonomous Institute, Affiliated to RTMINO, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/ODD/221

Date: 15/12/2023

To

The Principal, SBJITMR, Nagpur.

Subject: Course End Survey for Academic Session 2023-24 (ODD).

Respect Sir,

Course end survey was conducted from 30/11/2023 to 07/12/2023 for III, V and VII semester students. The analysis is shown to concerned faculties by the Head of Department. Action taken report on course end survey and subjectwise analysis is attached herewith for your kind information.

Enclosure:

1. Action taken report

2. Subjectwise analysis.

Sthe

Head of Department Mechanical Engineering

Copy to: 1. IQAC

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Vision: Emerge as an excellent centre for Mechanical Engineering education

<u>Action Taken Report</u> <u>On</u> <u>Course End Survey</u> Session: 2023-24 (ODD Semester)

Course End Survey was conducted from the 30/11/2023 to 07/12/2023 for III, V, and VII semester students. The responses from students have been scrutinized and summarized using IonCudos software. The summary is discussed with concern faculties by the HoD.

The key observations from survey and actions are listed as follows:

- ➢ It is found that feedback for theory, practical and Project Phase- I is above 65%.
- All the survey will be used for further academic improvement, faculty assessment and indirect course outcome attainment.

Head of Department Mechanical Engineering



(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Session 2023-24 (ODD Semester)_III_SEM

	Course: Engineering Mathematics-III[BSCME301T] Faculty: Dr. Manjushri Muley	
Sr. No	Ouestions	CO
1	Are you able to undestand Laplace Transform and Inverse Laplace Transform and apply it for solving	
	Linear differential equation?	67.33%
2	Rate your ability to find Fourier cosine and sine transform?	67.33%
3	Rate your understanding about extremum of the functional by using Euler's equation?	69.33%
4	Rate your ability to understand Analytic function and Harmonic function?	68.67%
5	Rate your ability to evaluate complex integral by using Cauchy's formula and Residue method?	62.00%
(Rate your understanding about evaluation of the solution of Higher order linear Partial Differential	
6	Equation with constant coefficient?	68.00%

	Course:Kinematics of Machines [PCCME307T] Faculty: Mr. Faisal .S.Hus	sain
Sr. No		CO
1	Are you able to classify Class I and Class II mechanism and can calculate the degree of freedom of a mechanism?	66.21%
2	Are you able to construct polygons and determine velocity and acceleration of link for any planer mechanism?	67.59%
3	Are you able to design cam profile for any desired follower motion?	68.28%
4	Are you able to compare type, number and dimensional synthesis and classify kinematic synthesis?	62.07%
5	Are you able to classify different types of gears, their terminology and can evaluate gear tooth geometry?	62.76%
	Can you distinguish different types of gear trains & clutches and select appropriate power transmission device as per requirement?	65.52%

	Course: Engineering Thermodynamics [PCCME302T] Faculty: Mr. Himanshu D. Wa	
Sr. No		CO
1	Are you able to Illustrate various processes associated with Heat and Work interaction?	60.69%
2	Are you able to apply 1st Law of thermodynamics to open and closed systems?	70.34%
	Are you able to apply 2nd law of Thermodynamics to Heat Engines, Heat Pumps and Refrigerators?	66.90%
	Are you able to determine various properties of steam?	75.17%
4	Are you able to evaluate the efficiencies of various Rankine cycles?	64.83%
<u> </u>	Are you able to analyze the performance of various gas power cycles?	69.66%
		-1-
	Course: Manufacturing Processes [PCCME304T] Faculty: Mr. Archis Dhaw	
sr. No	Questions	CO
1	Can you explain different casting processes and determine patteren allowances, Solidification time and riser dimensions for casting?	63.08%

	Can you describe bulk deformation processes and calculate the forcess incured in different bulk	
2	Call you describe bulk deformation processes and calculate the foreess interaction	65.38%
	deformantion processes?	
3	Can you discuss sheet metal forming/cutting processes and calculate the cutting and bending force	62.31%
	Can you differentiate the different metal joining processes and can you select the processes as per	68.46%
4	given condition?	
5	Can you compare plastic joining and working processes and can you select the process as per given	63.08%
~	application?	
(Can you explain different Additive manufacturing processes and can you decide the appropriate	66.15%
6	process for given material	00.1370

	Course: Manufacturing Processes Lab [PCCME304P] Faculty: Mr. Archis Dha	wale
	Course: Manufacturing Processes Lab [1 COMLOUR]	
Sr. No	Questions	
1	Can you explain types of furnace, moulding techniques and gating system, welding processes, metal	58.52%
	and plastic working processes?	
2	Can you explain the different press working operations and determine punch force based on given	63.70%
2	sheet metal specifications?	66.67%
3	Can you develop jobs in pattern making, moulding, casting and welding	
4	Can you examine through simulation, working of various equipment, tools used for rolling, extrusion	61.48%
4	and additive manufacturing techniques?	

Com	e : Material Science and Metallurgy [PCCME303T] Faculty : Mr. Ajay Joshi	
Sr. No	te. Matchiai belence and Mommung, [100000.000]	CO
1	Con you Explain the properties of engineering materials and material characterization techniques?	73.33%
2	Can you Compare destructive and non-destructive testing and select appropriate method for given	71.67%
3	Can you Illustrate types of metal solidification process & equilibrium diagram and identify various	70.00%
4	Can you Compare different heat treatment methods and identify appropriate heat treatment process	67.50%
5	Can you Classify various ferrous and nonferrous alloys and select an appropriate alloy for given applications?	64.17%
	Can you Explain powder metallurgy and select the relevant material for an engineering application?	69.17%

Cours	e : Material Science and Metallurgy Lab [PCCME303P] Faculty : Mr. Yogesh Joshi	
	Questions	CO
r. No	Can you Identify different crystal structure and crystal imperfection?	64.44%
	Can you Prepare specimen and perform microstructural examination using microscopes?	69.63%
2	Can you Determine hardness of material using test rigs?	68.15%
3	Can you Examine a sample specimen using non-destructive testing methods?	66.67%
4	Can you Examine a sample speemen asing new decrate the same	
5	Can you Determine the fraction of liquid and solid phases and identify the phase of the given system?	65.19%
6	Can you Prepare product using powder metallurgy processes?	68.15%
0		
Subje	ct:Machine Drawing and Solid Modeling Lab [PCCME305P] Faculty:Mr. Nikhil Shrikhande	
r. No		CO
1	Are you able to explain different conventions used in machine drawing?	72.86%

Γ	-	Are you able to apply fundamentals of projections and draw sectional orthographic views for mechanical components and intersection of solids?	71.43%
	2	mechanical components and intersection of solids? Are you able to predict and draw detailed drawing, assembly drawing and production drawing of given	68.57%
Γ	2	Are you able to predict and draw detailed drawing, assention drawing and pro-	08.5770
	5	machine components?	
Ī		the second appropriate in CAD software?	67.86%
	4	Are you able to develop 2D drawing and 3D models of mechanical components in CAD software?	

	Ale you able to detering a loshi	
	ect:Algorithm and Data Structure Lab [PCCME306P] Faculty: Mr. Ajay Joshi	СО
Subje	Ouestions	
Sr. No	Are you able to Design efficient search and sort algorithms using appropriate techniques to solve	65.33%
1	Are you able to Design encient scaren and encience e	58.00%
1	programming challenges?	
2	programming challenges? Are you able to Solve programming challenges using stack and queue data structures?	64.67%
	the structure to solve programming challenges.	64.00%
3	Are you able to Apply the concepts of linked list data structure to solve programming challenges?	•
4	Are you able to Apply the concepts of linked list data structure to solve real-world challenges? Are you able to Apply tree & graph-based data structures to solve real-world challenges?	
	HoD, ME	



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Session 2023-24 (ODD Semester)_V_SEM

Course:	Design of Machine Elements[PCCME501T] Faculty: Mr. Faisal Hussain	
Sr. No.	Questions	CO
	Are you able to apply the fundamentals of design process in machine elements, identify the different material properties and their significance in machine design?	75.00%
	Are you able to select the material for different types of joints and calculate the stresses under	73.46%
2	static loading conditions?	
3	Are you able to design the fasteners and power screws subjected to variable loading conditions?	
	Are you able to design the pressure vessel subjected to internal pressure as per the applications?	74.62%
5	Are you able to design the energy storing elements and levers for various applications?	71.92%
6	Are you able to design the power transmission shaft for various applications?	73.85%

Course: Heat Transfer [PCCME502T] Faculty: Mr. Himanshu Wagh		
	CO	
	67.17%	
Are you able to apply the concept of internal heat generation in real life application?	67.17%	
Are you able to apply the physical significance of dimensionless number in convective heat	68.68%	
Are you able understand the concept of Boiling and Condensation?	71.70%	
A re you evaluate heat transfer by Radiation using various laws of radiation?	<u>63.40%</u> 67.92%	
Are you able to evaluate the effectiveness of heat exchanger using various types of flow?	07.9270	
	Questions Are you able to differentiate various modes of heat transfer? Are you able to apply the concept of internal heat generation in real life application?	

COURSO	Heat Transfer Lab [PCCME502P] Faculty: Mr. Nikhil Shrikhande	
	Questions	CO
Sr. No. 1	Are you able to determine and measure the conduction phenomenon in different material?	73.21%
2	Are you able to estimate surface heat transfer coefficient the natural and forced convection?	71.70%
2	Are you able to estimate radiation heat transfer using stefan boltzman law?	70.57%
3	Are you able to performance analysis of heat exchanger to estimate its effectiveness?	66.42%
4	Are you able to performance analysis of the ball	
Common	Manufacturing Technology [PCCME503T] Faculty: Mr. Nilesh Gowardip	e
		CO
Sr. No. 1	Are you able use different measuring equipment and analyze technical data through quality control techniques?	69.41%
2	Are you able to explain the principle and applications of cutting tools and calculate forces during orthogonal metal cutting, and tool life calculation?	66.27%
3	Are you able to select conventional machining processes to manufacture components as per application?	67.06%
4	Can you able to select machining processes for finishing components as per specification?	62.35%
5	Can you able to select non-conventional machining processes for material removal operations?	65.10%
6	Can you able to select production planning and control techniques for improving productivity?	66.67%

Course: Manufacturing Technology Lab [PCCME503P] Faculty: Mr. Nilesh Gowardipe			
Sr. No.		CO	
	Can you identify and examine various cutting tools?	70.20%	
2	Can you identify and analyze cutting forces?	66.27%	
3	Are you able to demonstrate lathe, CNC, shaper, milling, drilling, and boring machines?	67.06%	
	Are you able to prepare jobs on lathe, shaper, milling, drilling, and boring machines?	67.84%	
5	Are you able to examine the non-conventional machining using virtual lab?	68.24%	

8

Course : PE-1_IEED [PECME501T] Faculty: Mr. Sarvesh Biyani		
S. No	Questions	CO
1	Are you able to understand and explain the basic concepts of economics and the various factors	67.17%
	of Production? Are you able to apply the concepts of monetary and fiscal measures to control inflation and	68.30%
2	avalage the impact of the share market on the economy?	00.5070
3	Are you able to apply the notion of creativity and innovation and co-relate it to the concepts of Intellectual Property Rights, patents, copy rights & Trade Mark?	68.68%
	Are you able to classify the various function of entrepreneurship & its relation to economic	69.06%
4	development?	(0 (00/
2	Are you able to apply the various principles of Scientific management to management functions?	68.68%
(Are you able to develop an organizational system using the concepts of Personal Management	67.92%
6	and Modern marketing?	

ourse	OE_Optimization Techniques [OECME501T] Faculty: Mr.Pankaj Jaiswal	60
	Questions	CO
1	Are you able to formulate given situation as Linear Programming Problem and solve	83.64%
1	graphically	
2	Are you able to apply the techniques of operations research to solve problems of	84.55%
2	\ntransportation and assignment	81.82%
3	Are you able to optimize the inventory & sequencing problem	0110277
	Are you able to formulate the network of project management problem and a determine the	82.73%
	project completion time	81.82%
5	Are you able to decide replacement age of equipment	0210270
	Are you able to decide replacement age of equipment Are you able to solve single server queuing model (M/M/1) problems and \simulate the given situation using random number.	80.91%

Course:Soft Skills-II [PHSMCME501P] Faculty: Ms. Sheenam Khan		
	Soft Skills-II [FIISMCMESOIT]	CO
Sr. No.		68.44%
1	Are you able to differentiate between ELAP & PRAP?	70.67%
2	Are you able to identify the Do\'s and Dont\'s of a job interview?	72.44%
3	Are you able to create effective presentations?	66.22%
4	Are you able to apply the concept of Etiquettes and manners in day -today life?	71.56%
5	Are you able to apply negotiation skills in real life context?	/1.50/0
	AL	

HoD, ME

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Session 2023-24 (ODD Semester)_VII_SEM

Cours	e: Applied Thermodynamics-II [PCCME701T] Faculty: Dr. Tu	ishar Sathe
Sr. No.	Ouestions	CO
1	Are you able to evaluate the efficiencies of positive displacement compressors based on various compression processes ?	70.11%
2	Are you able to evaluate the performance parameters of the rotary compressors for various operating conditions ?	68.54%
3	Are you able to classify and Explain the different internal combustion engines?	69.89%
4	Are you able to evaluate the performance parameters of internal combustion engines operating on variable conditions ?	70.56%
5	Are you able to interpret the effect of various operating parameters on the performance of refrigeration systems and illustrate the Joule-Thomson Coefficient and applications of cryogenics?	68.31%
	Are you able to analyze various Psychrometric processes and classify different air conditioning systems?	70.56%

Cours	e:Applied Thermodynamics-II Lab [PCCME701P] Faculty: Dr. Pankaj V Mr. Shrikant Katl	
Sr. No.	Questions	CO
1	Are you able to compare and evaluate the performance parameters of Internal combustion\nengines at variable operating conditions?	71.24%
2	Are you able to estimate the heat balance sheet of internal combustion engines?	70.11%
3	Are you able to demonstrate and judge the performance of refrigeration and air- conditioning\nsystems at variable cooling load?	68.76%
4	Are you able to determine and interpret the volumetric efficiency of air compressors at different/noperating conditions?	69,89%

Course: Industrial Engineering [PECME701T] Faculty: Mr. Sarvesh Biyani				
Sr. No.	Questions	СО		
1	Are you able to explain the basic concepts of productivity and identify factors affecting productivity?	68.98%		
2	Are you able to apply the concept of method study as a mean of developing more effective methods?	66.53%		

3	Are you able to apply make use of the techniques of time study to establish the time for qualified worker to carry out a specified job?	
4	Are you able to examine the concert of	66.12%
5	Are you able to compare various forecasting techniques and co-relate it to the concept of sales forecasting of the industry ?	70.00%
	Are you able to classify various times of an internet of the i	69.39%
6		68.16%
Cours Sr. No.	e: Introdction to Automotive Powertrain [PECME703T] Faculty: Dr. Tus	han fi d
1	Are you able to explain the fundamentals of vehicle motion, vehicle resistance and vehicle motion parameters?	<u> </u>
2	Are you able to analyze of stresses and design of components of Internal Combustion (IC) Engine?	69.44%
3	Are you able to examine the function of the fu	65.56%
	Are you able to examine the functions of transmission system and operating parameters of transmission gearbox?	75.56%
4	Are you able to examine the various technologies used in transmission unit of a vehicle?	
5	Are you able to examine the operating parameters of the components of drive line in a vehicle?	70.56%
0		72.22%
6	Are you able to develop mathematical modelling and transfer function for transmission systems?	

Г

Sr. No.	e: Refrigeration and Air Conditioning [PECME704T] Faculty: Mr. Shrikant] Questions	Kathwate
1	Are you able to analyze the effect of various parameters on the performance of vapour compression refrigeration system using p-h/t-s chart?	CO
2	Are you able to evaluate the performance of multistage vapour compression refrigeration system?	68.94%
3	Are you able to select and explain various unconventional and low temperature refrigeration system?	68.94%
4	Are you able to analyze various psychrometric process on psychrometric chart?	71.06%
5	Are you able to design air conditioning system using heat load calculations?	70.64%
6	Are you able to design air distribution system for an air conditioning system?	69.36%
		68.94%

Sr. No. Questions	Mr. Yogesh Joshi	٦
Questions	CO	1

1	Are you able to classify and explain various non-conventional energy resources and its environmental impact?	75.00%
2	Are you able to illustrate and examine the various solar thermal energy conversion systems?	73.50%
3	Are you able to illustrate and examine the various solar photovoltaic systems?	72.00%
4	Are you able to classify and explain various fuel cell and wind turbine technologies for electrical power generation?	74.50%
5	Are you able to analyze the energy conversion processes in biomass and hydrogen energy systems?	75.50%
6	Are you able to summarize different ocean energy systems and explain their working principles?	73.50%

Course :	Automobile Engineering [OECME701T] Faculty : Dr. Pankaj Wankh Mr. Prasad Mar	
Sr. No.	Questions	CO
1	Will you able to classify different types of chassis, engines and explain various\ntypes of lubrication system & Cooling System ?	76.15%
2	Will you able to classify and explain different types of clutches and gearbox?	77.69%
3	Are you able to compare and explain various transmission system and brakes\nused in automobile?	77.69%
4	Are you able to classify different types of steering and suspension systems ?	81.92%
5	Are you able to compare different types of tyres and interpret various factors\naffecting tyre life?	78.92%
6	Are you able to examine various safety considerations and modern development in $\$	78.85%

37h HoD, ME



(An Autonomous Institute, Affiliated to RTMNU, Nagp DEPARTMENT OF MECHANICAL ENGINEER

Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/EVEN/2023-24/N-467

Date: 24/04/2024

ENT

NOTICE

All the students of 4th, 6th, and 8th semester are hereby required to fill the Course End Survey, Students Satisfactory Survey and Program Exit Survey (Only 8th Semester Students

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The feedback is supposed to be given on the IONLMS platform through the link $\frac{\text{http://103.211.62.98/sbjit_lms_student/}}{02/05/2024}$. Register your genuine feedback. Your feedback will be helpful to improve system.

Dr. Harish Bhatkulkar HoD Mechanical S.B.J.I.T.M.R., Nagpur.

Dept. of Mechanical Engg. S.B. Jain Instt. of Tech. Mang. & Resarct Nagpur - 441 501



(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Ref: SBJITMR/ME/2023-24/EVEN/481

Date: 08/05/2024

To

The Principal, SBJITMR, Nagpur.

Subject: Course End Survey for Academic Session 2023-24 (EVEN).

Respect Sir,

Course end survey was conducted from 25th April to 2nd May 2024 for IV, VI and VIII semester students. The analysis is shown to concerned faculties by the Head of Department. Action taken report on course end survey and subject wise analysis is attached herewith for your kind information.

Enclosure:

1. Action taken report

2. Subject wise analysis.

Head of Department **Mechanical Engineering**

Copy to: 1. IQAC



(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Action Taken Report on Course End Survey

2023-24 (Even Semester)

Course End Survey was conducted from 25th April to 2nd May 2024 for IV, VI and VIII semester students. The responses from students have been scrutinized, summarized using IONCudos. The analysis is shown to concerned faculties by the HoD.

The key observations (points) from summary and actions are listed as follows.

- > It is found that for all courses viz. theory, practical and projects are having feedback above 65% i.e. very good.
- > The analysis is shown to concerned course in-charges and also appreciated and motivated them to perform better.
- > All the survey will be used for, further academic improvement, faculty assessment and indirect. assessment.

Head of Department Mechanical Engineering



(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Session 2023-24 (EVEN Semester)_VI_SEM

	Course End Survey Questions	
Course	: Applied Thermodynamics - I (PCCME601T) Faculty: Mr. Himanshu Wagh	0/ Faithealt
Sr. No.	Questions	% Feedback
1	Are you able to understand the general layout and components of Thermal powre plant?	67.24%
2	Are able to differentiate between different draught system used in the thermal power plant?	67.93%
3	Are you able to analyze the floe through steam nozzle?	71.38%
4	Are you able to analyze the fifeciency of reaction and Impulse steam turbine?	67.24%
5	Are you able to evaluate the efformace of the steam condenser and cooling towers?	66.90%
6	Are you able to evaluate the performance of gas turibe and explain the working of jet	64.14%
0	engine? Computer Aided Design (PCCME602T) Faculty: Mr. Yog	yesh Joshi
	Computer Added Design (r Condition 17	% Feedback
Sr. No.	Questions	
1	Do you able to differentiate between conventional design & CAD design and able to create the line, circle and ellipse using algorithms?	68.77%
2	Do you able to transform the given entity using 2D and 3D transformations?	68.07%
2	Do you able to create geometry using constructive solid geometry, feature based	70.18%
	modeling, solid modeling?	67.02%
4	Do you able to determine the displacement, stress and reactions using 1D FEM method?	66.67%
5	Are you able to solve two dimensional problems using FEM method?	65.96%
6	Do you know the steps of optimization ? Faculty: Mr. Yogesh	
	Computer Alded Design Eub (r Centerter)	% Feedback
Sr. No.	Questions Are you able to create 2D and 3D models of mechanical engineering components using	68.28%
1	CAD software tools? Are you able to formulate one dimensional and two dimensional maching components	71.38%
2	using finite element method?	43 · · · · ·
3	Are you able to generate a program for grahical entitites?	69.66%
Course	Instrumentation and Metrology (PCCME603T) Faculty: Mr. Ajay Joshi	
	Questions	% Feedback
Sr. No. 1	Are you able to disntinguish static and dynamic characteristics of measuring	68.93%
2	instruments? Are you able to understand the working principle of various measuring instrument used	68.93%
2	for measuring temperature, strain, pressure force, speed etc.?	68.21%
3	Are you able to explain various transducers and sensor used in manufacturing industry? Are you able to analyze linear and angular measuring instruments used in	71.79%
4	manufacturing industries?	67.86%
-	Are you able to understand the concept of limit, fits, tolerances ? Are you able to classify comparators and intruments for measuring thread and gear	65.71%
0	profile?	
Course	Instrumentation and Metrology Lab (PCCME603P) Faculty: Mr. Shrikant Kath	Wate
Sr. No.	Questions	% Feedback
1	Are you able to measure the dimensions of specimens using various instruments.	71.48%
2	Are you able to measure the linear & angular displacement, force and speed using transducers.	72.96%
	Are you able to test for the flatness and analyse the profiles.	72.96%
3	A reveal able to assess the measurement technique used in pressure gauge.	69.63%
4	Are you able to assess the measurement enterna of the second able to assess the measurement of the second able to assess the second able to assess the measurement of the second able to assess the measurement of the second able to assess the second able to asse	arvesh Biyani
a	Statistics and Quanty control (BQC) (c = control (BQC))	% Feedback
Course Sr. No.	Questions	/0 recuback

2 Are you able to determine various process parameters using statistical process control tools? 65.22% 3 Are you able to determine the variation in a process using control charts for variables? 62.61% 4 Are you able to determine the variation in a process using control charts for variables? 62.61% 5 Are you able to determine the conformance of quality characteristics using control charts for attributes? 65.22% 6 Are you able to explain the basic concepts of Six Sigma, Lean Production and Jusi in 66.09% 66.09% 2 Are you able to explain the concept of chassis design and its components. 75.88% 1 Are you able to explain the concept of chassis design and its components. 75.88% 2 Are you able to analyze stresses at different section at front axle, bearings and steering system. 75.88% 4 Are you able to ascuss regonomics in automotive chassis design. 75.88% 5 Are you able to discuss regonomics in automotive chassis design. 75.88% 6 Are you able to explain and classify basic manufacturing processes? % Feedback 7 No Questions 75.88% 4 Are you able to discuss regonomics in automotive chassis design. 75.88%			
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Description Questions Faculty: Prof. Sheenam Khan 1 Are you able to understand the importance Paralanguage and Voice Modulations? % Feedback 2 Are you able to correlate between Collaborative Approach and Distributive Approach in Negotiation? 64.73% 3 Are you able to identify the process of Effective Interview Skills? 67.64% 4 Are you able to understand the HURIER Model of Listening? 67.27%	Course	e:Soft Skills - III (HSMCME602B)	68.57%
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			66.91%

HoD, ME

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR. BAN An Autonomous Institute, Affiliated to RIMINU, Natepolit DEPARTMENT OF MECHANICAL ENGINEERING Thick: Science and on the Automatical Magnetic Ingenetical Thick: Science and an Automatical VIII Semi-



Session 2023-24 (EVEN Semester)_VIII_SEM Course End Survey Ouestions

	Course End Survey Questions	
Common	: Design of Mechanical Drives (PCCME801T) Faculty: Mr. Vinod Suple / Mr. Nilesh Gowardipe Ouestions	% Feedback
	Questions	% reedback
Sr. No.	Are you able to design the coupling using standard properties and evaluate oraning parameters	69.88%
1	and dynamic loading? Are you able to select and design the suitable belt drives for industrial application?	66.02%
2	Are you able to select and design the suitable bert drives for industrial application?	68.43%
3	Are you able to select and design the suitable bert drives for industrial application ? Are you able to select and design wire rope and chain drive for industrial application ? Are you able to design spur and helical gear for given loading based on strength and wear consideration ?	67.95%
4	Are you able to design spur and helical gear for given loading based on some the meter setting shaft?	68.67%
5	Are you able to design spur and helical gear for given loading based on strength and	68.92%
6		0002/0
C	Production planning and control	% Feedback
	Questions	
Sr. No.	Are you able to explain the concept of production planning & control and sorre the production planning and control and	74.17%
1	analysis? Are you able to explain the factors influencing capacity planning, aggregate planning, process planning and the	70.83%
2	basic concept of line balancing? Are you able to explain the routing & scheduling process and factors affecting scheduling to schedule the	75.42%
3	production effectively?	72.92%
4	Are you able to Explain the loading dispatching and expediting process in the production shop and construct the	12.9278
	are you able to explain the fundamental of inventory control and determine the economic order quantity & Are you able to explain the fundamental of inventory control and determine the economic order quantity &	75.83%
5	economic lot size? Are you able to compare material requirement planning (MRP) and enterprise resource planning (ERP) with respect	75.83%
6		
0	to manufacturing ? Faculty: Dr. Pankaj Wankhede e: Automation in Production (PECME802T) Questions	% Feedbac
<u>Course</u> Sr. No.	Ouestions	66.19%
	t i d fan demontel of automation lifeory (67.62%
1	the te develop the numerical control part program and explain its role in were	66.67%
2	Are you able to develop the handemat of the programming? Are you able to Explain robot anatomy and its programming?	65.24%
3	Are you able to Explain robot anatomy and its programming? Are you able to examine the performance of material handling system using analytical method ?	68.10%
4	Are you able to examine the performance of material handling system using analytical interest. Are you able to explain the various methods of automated inspection and the concepts of group technology?	66.67%
5	11 to small advanced manufacturing includingly to improve intervention	00.0770
6	Are you able to apply advanced manufacturing Faculty: Mr. Shrikant Kathwate	0/ Eadhar
	e: Cryogenics (FECINESOUT)	% Feedbac
Sr. No.	is the field of energy aeronautics space and sciences?	72.00%
1	Are you able to explain the mechanical, thermal, and electrical properties of some analy of the	77.60%
2	Are you able to explain of cryogenic fluids ? illustrate the properties of cryogenic fluids ? Are you able to estimate various performance parameters of cryogenics refrigerator and evaluate the liquid yield for	68.80%
3	Are you able to determine the performance of the heat exchangers, compressors, and expanders working under Are you able to determine the performance of the heat exchangers, compressors, and expanders working under	75.20%
4	Are you able to determine the performance of matter cryogenic temperature? Are you able to determine energy associated with the separation of a mixture of gases and explain various methods	76.80%
5	Are you able to determine energy associated with the separation of a minimum of gasses ?	
6	Are you able to illustrate the cryogenics storage system and explain the working various instruments of the system	74.40%
	e : Solar Energy Utilization (PECME806T) Faculty: Mr. Nikhil Shrikhande	
C	Questions	% Feedbac
		71.11%
Sr. No.		
Sr. No. 1	Are you able to explain the fundamental of solar radiation and solar geometry. Are you able to summarize the concept of solar energy utilization and illustrate the operation of solar photovoltaic	70.48%
Sr. No.	Are you able to explain the fundamental of solar radiation and solar geometry. Are you able to summarize the concept of solar energy utilization and illustrate the operation of solar photovoltaic	
Sr. No. 1	Are you able to explain the fundamental of solar radiation and solar geometry. Are you able to summarize the concept of solar energy utilization and illustrate the operation of solar photovoltaic cell with its application?	69.84%
<u>Sr. No.</u> 1 2	Are you able to explain the fundamental of solar radiation and solar geometry. Are you able to summarize the concept of solar energy utilization and illustrate the operation of solar photovoltaic cell with its application? Are you able to analyze various solar collector and determine its performance parameters? Are you able to compare solar thermal collector used for solar power generation ?	69.84% 69.84%
Sr. No. 1 2 3	Are you able to explain the fundamental of solar radiation and solar geometry. Are you able to summarize the concept of solar energy utilization and illustrate the operation of solar photovoltaic cell with its application?	69.84%

Dr. Harish Bhatkulkar HoD, ME



(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF MECHANICAL ENGINEERING

Vision: Emerge as an excellent centre for Mechanical Engineering education

Session 2023-24 (EVEN Semester)_IV_SEM

Countral	Engineering Mathematics-IV (BSCME401T) Faculty: Dr. Ma	anjushree Muley
	Questions	% Feedback
Sr. No.	Are you able to apply numerical methods to solve algebraic and Transcendental equations?	68.75%
1 2	Are you able to apply numerical methods to solve first and second order ordinary differential equation ?	68.75%
3	Are you able to apply power series method to solve Legendre's differential equations ?	67.50%
4	Are you able to apply power series memory to serie Legitier of an apply the concept of probability to find the physical significance of various Distribution phenomena?	65.00%
5	Are you able to apply the knowledge of Mathematical expectation to solve moments generating functions, coefficient of skewness and kurtosi	68.75%
6	Are you able to solve Binomial, Poisson's, Normal and other Distributions of a given problem?	70.63%
	Strength of Materials (PCCME401T)] Faculty: Dr. Pan	kaj Wankhede
Sr. No.	Questions	% Feedback
1	Are you able to explain the concepts of stress & strain and calculate deformation under different loading conditions.	75.33%
2	Are you able to analyze the principal stresses in elements and calculate strain energy based on loading condition.	67.33%
3	Are you able to construct shear force & bending moment diagram for various loading conditions and calculate bending stresses in beams.	70.00%
4	Are able to formulate slope and deflection equations for beams subjected to various loads.	68.00%
5	Are you able to construct shear stress distribution diagram and analyze torsional shear stresses in circular shafts.	69.33%
6	Are you able to analyze stresses in cylinders and evaluate buckling in columns.	68.67%
	Strength of Materials Lab (PCCME401P) Faculty: Mr. Archis Dhaw	vale
Sr. No.	Questions	% Feedback
1	Are you able to determine the strength of specimen by performing tension, shear and compression test using universal testing machine?	63.13%
2	Are you able to perform impact test to determine toughness of the material using Charpy and Izod test?	68.88%
3	Are you able to estimate constants through compression test on spring and deflection test on beam?	66.25%
	Are you able to determine modulus of rigidity of material using torsion testing machine? Fluid Mechanics and Machinery (PCCME402T) Faculty: Mr Pankai	65.00%
Sr. No.	Luculty: Mil. I alika	Jaiswal
51. 110.	Questions	% Feedback
1	Are you able to explain fundamental concept of fluid mechanics and perform the calculate the pressure, hydrostatic forces on submerged planed and curved surface ?	63.13%
2	Are you able to apply fundamental concpet of fluid kinematics, dynamics and Bernoullis equation for application of fluids flow?	70.00%
3	Are you able to apply fundamental of viscous flow, laminar & turbulent boundary layer and identify region of boundary layer?	70.00%
4	Are you able to analyze major and minor losses associated with fluid flow in piping network?	(0 100/
5	parameter of the hydraulic turbines?	68.13% 67.50%
6	Are you able to determine the design parameter of hydraulic pumps and elevate the performance of centrifugal pump?	68.75%

~	Course: Fluid Mechanics and Machinery Lab (PCCME402P) Faculty: Mr.	Nikhil Shrikhande
Sr. No.	Questions	% Feedback
1	Are you able to Understand and analyze the forces & their effects on a floating object in the fluid?	70.63%
2	Are you able to Classify the type of flow using Reynolds Number and determine the friction	70.00%
3	Are you able to Apply the Bernoulli's concept and measure the coefficient of discharge of Venturimeter, orifice meter and notch?	72.50%
4	Are you able to Evaluate performance parameters of hydraulia turking and hydraulia	70.00%
Course	: Dynamics of Machines (PCCME405T) Faculty : Mr. Fai	the second se
Sr. No.	Questions	% Feedback
1	Are you able to understand the force analysis for planar mechanism and jump-off phenomenon in cam dynamics	69.09%
2	Are you able to determine gyroscopic effect on air plane, ship, four wheeler and two wheeler	72.13%
3		71.52%
4	you dole to compare mywheel and governor	70.91%
5	Are you able to classify free forced and down a tail it is	63.03%
6	The you dole to determine the natural C	
ourse	Dynamics of Machines Lab (PCCME405P)	66.67%
Sr. No.	Omenti and a start of the start	
1	Are you able to inspect the effects of gyroscopic torque on rotating disc and examine the balancing condition of rotating masses	% Feedback 72.50%
2	Are you able to identify jump-off phenomenon in cam system	72.50%
3	Are you able to evaluate the performance characteristics of	
4	mechanical system.	75.63%
ubject:	Python Programming Lab	
	Faculty: Dr. Pankaj Wankhe	
Sr. No.	Questions	
5 r. No. 1	Ouestions	% Feedback
	Questions Are you able to apply the fundamental of python programming for solution of problem?	% Feedback 73.13%
1	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method?	% Feedback
1 2	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type?	% Feedback 73.13%
1 2 3 4	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type? Are you able to use the concepts of OOPs for solving problems?	% Feedback 73.13% 71.88% 73.13% 71.88%
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1 2 3 4 ubject: 5r. No.	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type? Are you able to use the concepts of OOPs for solving problems? Energy System and Technologies [OECME401T] Faculty: Mr. Prasad N Questions	% Feedback 73.13% 71.88% 73.13% 71.88%
1 2 3 4 ubject: 5 r. No. 1	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type? Are you able to use the concepts of OOPs for solving problems? Energy System and Technologies [OECME401T] Faculty: Mr. Prasad N Questions Are you able to classify and explain various forms of energy and its conversion?	% Feedback 73.13% 71.88% 73.13% 73.13% 71.88% Mangalkar
1 2 3 4 ubject: ir. No. 1 2	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type? Are you able to use the concepts of OOPs for solving problems? Energy System and Technologies [OECME401T] Faculty: Mr. Prasad N Questions Are you able to classify and explain various forms of energy and its conversion? Are you able to classify and explain various conventional energy systems?	% Feedback 73.13% 71.88% 73.13% 71.88% Mangalkar % Feedback
1 2 3 4 ubject: r. No. 1 2 3	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type? Are you able to use the concepts of OOPs for solving problems? Energy System and Technologies [OECME401T] Faculty: Mr. Prasad N Questions Are you able to classify and explain various forms of energy and its conversion? Are you able to classify and explain various conventional energy systems? Are you able to compare and explain various non conventional energy systems?	% Feedback 73.13% 71.88% 73.13% 71.88% Mangalkar % Feedback 82.31%
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1 2 3 4 ubject: 7. No. 1 2 3 4 5 6 ubject:	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type? Are you able to use the concepts of OOPs for solving problems? Energy System and Technologies [OECME401T] Faculty: Mr. Prasad N Questions Are you able to classify and explain various forms of energy and its conversion? Are you able to classify and explain various non conventional energy systems? Are you able to explain various future energy systems and technologies? Are you able to explain various terms related to power plant economics and energy management? Are you able to interpret the environmental impact of energy systems? Soft Skills - 1 (HSMCME401P)	% Feedback 73.13% 71.88% 73.13% 71.88% Mangalkar % Feedback 82.31% 86.15% 86.15% 84.62% 87.69% *an Khan % Feedback
1 2 3 4 ubject: ir. No. 1 2 3 4 5 6 ubject: r. No. 1	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type? Are you able to use the concepts of OOPs for solving problems? Energy System and Technologies [OECME401T] Faculty: Mr. Prasad N Questions Are you able to classify and explain various forms of energy and its conversion? Are you able to classify and explain various conventional energy systems? Are you able to compare and explain various non conventional energy systems? Are you able to explain various future energy systems and technologies? Are you able to explain various terms related to power plant economics and energy management? Are you able to interpret the environmental impact of energy systems? Soft Skills - I (HSMCME401P) Questions Are you able understand the core difference between Soft Skills and Hard Skills?	% Feedback 73.13% 71.88% 73.13% 71.88% Mangalkar % Feedback 82.31% 86.15% 86.15% 84.62% 87.69% *an Khan % Feedback 65.16%
1 2 3 4 ubject: r. No. 1 2 3 4 5 6 ubject: r. No. 1	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type? Are you able to use the concepts of OOPs for solving problems? Energy System and Technologies [OECME401T] Faculty: Mr. Prasad N Questions Are you able to classify and explain various forms of energy and its conversion? Are you able to classify and explain various non conventional energy systems? Are you able to explain various future energy systems and technologies? Are you able to explain various terms related to power plant economics and energy management? Are you able to interpret the environmental impact of energy systems? Soft Skills - 1 (HSMCME401P)	% Feedback 73.13% 71.88% 73.13% 71.88% Mangalkar % Feedback 82.31% 86.15% 86.15% 84.62% 87.69% *an Khan % Feedback

Dr. Harish Bhatkulkar 6 HoD, ME

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(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

<u>Action Taken Report</u> <u>On</u> <u>Course End Survey</u> Session: 2023-24 (ODD Semester)

Course End Survey was conducted from the 30/11/2023 to 07/12/2023 for III, V, and VII semester students. The responses from students have been scrutinized and summarized using IonCudos software. The summary is discussed with concern faculties by the HoD.

The key observations from survey and actions are listed as follows:

- ➢ It is found that feedback for theory, practical and Project Phase- I is above 65%.
- All the survey will be used for further academic improvement, faculty assessment and indirect course outcome attainment.

Head of Department Mechanical Engineering



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Vision: Emerge as an excellent centre for Mechanical Engineering education

Session 2023-24 (ODD Semester)_III_SEM

	Course: Engineering Mathematics-III[BSCME301T] Faculty: Dr. Manjushri Mul	ey
Sr. No	Ouestions	CO
1	Are you able to undestand Laplace Transform and Inverse Laplace Transform and apply it for solving	
	Linear differential equation?	67.33%
2	Rate your ability to find Fourier cosine and sine transform?	67.33%
3	Rate your understanding about extremum of the functional by using Euler's equation?	69.33%
4	Rate your ability to understand Analytic function and Harmonic function?	68.67%
5	Rate your ability to evaluate complex integral by using Cauchy's formula and Residue method?	62.00%
(Rate your understanding about evaluation of the solution of Higher order linear Partial Differential	
6	Equation with constant coefficient?	68.00%

	Course:Kinematics of Machines [PCCME307T] Faculty: Mr. Faisal .S.Hus	sain
Sr. No		CO
1	Are you able to classify Class I and Class II mechanism and can calculate the degree of freedom of a mechanism?	66.21%
2	Are you able to construct polygons and determine velocity and acceleration of link for any planer mechanism?	67.59%
3	Are you able to design cam profile for any desired follower motion?	68.28%
4	Are you able to compare type, number and dimensional synthesis and classify kinematic synthesis?	62.07%
5	Are you able to classify different types of gears, their terminology and can evaluate gear tooth geometry?	62.76%
	Can you distinguish different types of gear trains & clutches and select appropriate power transmission device as per requirement?	65.52%

	Course: Engineering Thermodynamics [PCCME302T] Faculty: Mr. Himanshu D. W	agh
Sr. No		CO
1	Are you able to Illustrate various processes associated with Heat and Work interaction?	60.69%
2	Are you able to apply 1st Law of thermodynamics to open and closed systems?	70.34%
	Are you able to apply 2nd law of Thermodynamics to Heat Engines, Heat Pumps and Refrigerators?	66.90%
	Are you able to determine various properties of steam?	75.17%
4	Are you able to evaluate the efficiencies of various Rankine cycles?	64.83%
<u> </u>	Are you able to analyze the performance of various gas power cycles?	69.66%
		-1-
	Course: Manufacturing Processes [PCCME304T] Faculty: Mr. Archis Dhaw	
sr. No	Questions	CO
1	Can you explain different casting processes and determine patteren allowances, Solidification time and riser dimensions for casting?	63.08%

	Can you describe bulk deformation processes and calculate the forcess incured in different bulk	
2	Call you describe bulk deformation processes and calculate the foreess interaction	65.38%
	deformantion processes?	
3	Can you discuss sheet metal forming/cutting processes and calculate the cutting and bending force	62.31%
	Can you differentiate the different metal joining processes and can you select the processes as per	68.46%
4	given condition?	
5	Can you compare plastic joining and working processes and can you select the process as per given	63.08%
~	application?	
(Can you explain different Additive manufacturing processes and can you decide the appropriate	66.15%
6	process for given material	00.1370

	Course: Manufacturing Processes Lab [PCCME304P] Faculty: Mr. Archis Dha	wale
	Course: Manufacturing Processes Lab [PecentLook]	CO
Sr. No	Questions	
1	Can you explain types of furnace, moulding techniques and gating system, welding processes, metal	58.52%
	and plastic working processes?	
2	Can you explain the different press working operations and determine punch force based on given	63.70%
2	sheet metal specifications?	66.67%
3	Can you develop jobs in pattern making, moulding, casting and welding	
4	Can you examine through simulation, working of various equipment, tools used for rolling, extrusion	61.48%
4	and additive manufacturing techniques?	

Com	e : Material Science and Metallurgy [PCCME303T] Faculty : Mr. Ajay Joshi	
Sr. No	te. Matchiai belence and Mommung, [100000.000]	CO
1	Con you Explain the properties of engineering materials and material characterization techniques?	73.33%
2	Can you Compare destructive and non-destructive testing and select appropriate method for given	71.67%
3	Can you Illustrate types of metal solidification process & equilibrium diagram and identify various	70.00%
4	Can you Compare different heat treatment methods and identify appropriate heat treatment process	67.50%
5	Can you Classify various ferrous and nonferrous alloys and select an appropriate alloy for given applications?	64.17%
	Can you Explain powder metallurgy and select the relevant material for an engineering application?	69.17%

Cours	e : Material Science and Metallurgy Lab [PCCME303P] Faculty : Mr. Yogesh Joshi	
	Questions	CO
r. No	Can you Identify different crystal structure and crystal imperfection?	64.44%
	Can you Prepare specimen and perform microstructural examination using microscopes?	69.63%
2	Can you Determine hardness of material using test rigs?	68.15%
3	Can you Examine a sample specimen using non-destructive testing methods?	66.67%
4	Can you Examine a sample speemen asing new decrate the same	
5	Can you Determine the fraction of liquid and solid phases and identify the phase of the given system?	65.19%
6	Can you Prepare product using powder metallurgy processes?	68.15%
0		
Subje	ct:Machine Drawing and Solid Modeling Lab [PCCME305P] Faculty:Mr. Nikhil Shrikhande	
r. No		CO
1	Are you able to explain different conventions used in machine drawing?	72.86%

Γ	-	Are you able to apply fundamentals of projections and draw sectional orthographic views for mechanical components and intersection of solids?	71.43%
	2	mechanical components and intersection of solids? Are you able to predict and draw detailed drawing, assembly drawing and production drawing of given	68.57%
Γ	2	Are you able to predict and draw detailed drawing, assention drawing and pro-	08.5770
	5	machine components?	
Ī		the second appropriate in CAD software?	67.86%
	4	Are you able to develop 2D drawing and 3D models of mechanical components in CAD software?	

	Ale you able to detering a loshi	
	ect:Algorithm and Data Structure Lab [PCCME306P] Faculty: Mr. Ajay Joshi	СО
Subje	Ouestions	
Sr. No	Are you able to Design efficient search and sort algorithms using appropriate techniques to solve	65.33%
1	Are you able to Design encient scaren and encience e	58.00%
1	programming challenges?	
2	programming challenges? Are you able to Solve programming challenges using stack and queue data structures?	64.67%
	the transformed to solve programming challenges.	64.00%
3	Are you able to Apply the concepts of linked list data structure to solve programming challenges?	•
4	Are you able to Apply the concepts of linked list data structure to solve real-world challenges? Are you able to Apply tree & graph-based data structures to solve real-world challenges?	
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Vision: Emerge as an excellent centre for Mechanical Engineering education

Session 2023-24 (ODD Semester)_V_SEM

Course: Design of Machine Elements[PCCME501T] Faculty: Mr. Faisal Hussain		
Sr. No.	Questions	CO
	Are you able to apply the fundamentals of design process in machine elements, identify the different material properties and their significance in machine design?	75.00%
	Are you able to select the material for different types of joints and calculate the stresses under	73.46%
2	static loading conditions?	
3	Are you able to design the fasteners and power screws subjected to variable loading conditions?	
	Are you able to design the pressure vessel subjected to internal pressure as per the applications?	74.62%
5	Are you able to design the energy storing elements and levers for various applications?	71.92%
6	Are you able to design the power transmission shaft for various applications?	73.85%

Course: Heat Transfer [PCCME502T] Faculty: Mr. Himanshu Wagh	
	CO
	67.17%
Are you able to apply the concept of internal heat generation in real life application?	67.17%
Are you able to apply the physical significance of dimensionless number in convective heat	68.68%
Are you able understand the concept of Boiling and Condensation?	71.70%
A re you evaluate heat transfer by Radiation using various laws of radiation?	<u>63.40%</u> 67.92%
Are you able to evaluate the effectiveness of heat exchanger using various types of flow?	07.9270
	Questions Are you able to differentiate various modes of heat transfer? Are you able to apply the concept of internal heat generation in real life application?

COURSO	Heat Transfer Lab [PCCME502P] Faculty: Mr. Nikhil Shrikhande	
	Questions	CO
Sr. No. 1	Are you able to determine and measure the conduction phenomenon in different material?	73.21%
2	Are you able to estimate surface heat transfer coefficient the natural and forced convection?	71.70%
2	Are you able to estimate radiation heat transfer using stefan boltzman law?	70.57%
3	Are you able to performance analysis of heat exchanger to estimate its effectiveness?	66.42%
4	Are you able to performance analysis of the ball	
Common	Manufacturing Technology [PCCME503T] Faculty: Mr. Nilesh Gowardip	e
		CO
Sr. No. 1	Are you able use different measuring equipment and analyze technical data through quality control techniques?	69.41%
2	Are you able to explain the principle and applications of cutting tools and calculate forces during orthogonal metal cutting, and tool life calculation?	66.27%
3	Are you able to select conventional machining processes to manufacture components as per application?	67.06%
4	Can you able to select machining processes for finishing components as per specification?	62.35%
5	Can you able to select non-conventional machining processes for material removal operations?	65.10%
6	Can you able to select production planning and control techniques for improving productivity?	66.67%

Course: Manufacturing Technology Lab [PCCME503P] Faculty: Mr. Nilesh Gowardipe		
Sr. No.		CO
	Can you identify and examine various cutting tools?	70.20%
2	Can you identify and analyze cutting forces?	66.27%
3	Are you able to demonstrate lathe, CNC, shaper, milling, drilling, and boring machines?	67.06%
	Are you able to prepare jobs on lathe, shaper, milling, drilling, and boring machines?	67.84%
5	Are you able to examine the non-conventional machining using virtual lab?	68.24%

8

Course : PE-I_IEED [PECME501T] Faculty: Mr. Sarvesh Biyani		
S. No	Questions	CO
1	Are you able to understand and explain the basic concepts of economics and the various factors	67.17%
	of Production? Are you able to apply the concepts of monetary and fiscal measures to control inflation and	68.30%
2	avalage the impact of the share market on the economy?	00.5070
3	Are you able to apply the notion of creativity and innovation and co-relate it to the concepts of Intellectual Property Rights, patents, copy rights & Trade Mark?	68.68%
	Are you able to classify the various function of entrepreneurship & its relation to economic	69.06%
4	development?	(0 (00/
2	Are you able to apply the various principles of Scientific management to management functions?	68.68%
(Are you able to develop an organizational system using the concepts of Personal Management	67.92%
6	and Modern marketing?	

ourse	OE_Optimization Techniques [OECME501T] Faculty: Mr.Pankaj Jaiswal	60
	Questions	CO
1	Are you able to formulate given situation as Linear Programming Problem and solve	83.64%
1	graphically	
2	Are you able to apply the techniques of operations research to solve problems of	84.55%
2	\ntransportation and assignment	81.82%
3	Are you able to optimize the inventory & sequencing problem	0110277
	Are you able to formulate the network of project management problem and a determine the	82.73%
	project completion time	81.82%
5	Are you able to decide replacement age of equipment	0210270
	Are you able to decide replacement age of equipment Are you able to solve single server queuing model (M/M/1) problems and \simulate the given situation using random number.	80.91%

	ourse:Soft Skills-II [PHSMCME501P] Faculty: Ms. Sheenam Khan	
	Soft Skills-II [FIISMCMESOIT]	CO
Sr. No.		68.44%
1	Are you able to differentiate between ELAP & PRAP?	70.67%
2	Are you able to identify the Do\'s and Dont\'s of a job interview?	72.44%
3	Are you able to create effective presentations?	66.22%
4	Are you able to apply the concept of Etiquettes and manners in day -today life?	71.56%
5	Are you able to apply negotiation skills in real life context?	/1.50/0
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Vision: Emerge as an excellent centre for Mechanical Engineering education

Session 2023-24 (ODD Semester)_VII_SEM

Cours	e: Applied Thermodynamics-II [PCCME701T] Faculty: Dr. Tu	ishar Sathe
Sr. No.	Ouestions	CO
1	Are you able to evaluate the efficiencies of positive displacement compressors based on various compression processes ?	70.11%
2	Are you able to evaluate the performance parameters of the rotary compressors for various operating conditions ?	68.54%
3	Are you able to classify and Explain the different internal combustion engines?	69.89%
4	Are you able to evaluate the performance parameters of internal combustion engines operating on variable conditions ?	70.56%
5	Are you able to interpret the effect of various operating parameters on the performance of refrigeration systems and illustrate the Joule-Thomson Coefficient and applications of cryogenics?	68.31%
	Are you able to analyze various Psychrometric processes and classify different air conditioning systems?	70.56%

Cours	e:Applied Thermodynamics-II Lab [PCCME701P] Faculty: Dr. Pankaj V Mr. Shrikant Katl	
Sr. No.	Questions	CO
1	Are you able to compare and evaluate the performance parameters of Internal combustion\nengines at variable operating conditions?	71.24%
2	Are you able to estimate the heat balance sheet of internal combustion engines?	70.11%
3	Are you able to demonstrate and judge the performance of refrigeration and air- conditioning\nsystems at variable cooling load?	68.76%
4	Are you able to determine and interpret the volumetric efficiency of air compressors at different/noperating conditions?	69,89%

Cour	se: Industrial Engineering [PECME701T] Faculty: Mr. Sarve	sh Biyani
Sr. No.	Questions	СО
1	Are you able to explain the basic concepts of productivity and identify factors affecting productivity?	68.98%
2	Are you able to apply the concept of method study as a mean of developing more effective methods?	66.53%

3	Are you able to apply make use of the techniques of time study to establish the time for qualified worker to carry out a specified job?	
		66.12%
4	Are you able to examine the concept of ergonomics for workplace design? Are you able to compare various forecasting to be	
~	Are you able to compare various forecasting techniques and	70.00%
5	Are you able to compare various forecasting techniques and co-relate it to the concept of sales forecasting of the industry ?	69.39%
6	Are you able to classify various types of maintenance and the factors governing successful maintenance systems?	
		68.16%
Cours	e: Introdction to Automotive Powertrain [PECME703T] Faculty: Dr. Tus	
Sr. No.		nar Sathe
1	Are you able to explain the fundamentals of valid	CO
	Are you able to explain the fundamentals of vehicle motion, vehicle resistance and vehicle motion parameters?	69.44%
2	Are you able to analyze of stresses and design of components of Internal Combustion (IC)	65.56%
3	Are you able to examine the functions of transmission system and operating parameters of transmission gearbox?	75.56%
4	Are you able to examine the various technologies used in transmission unit of a vehicle?	/ 0.50 /0
		70.56%
5	Are you able to examine the operating parameters of the components of drive line in a vehicle?	72.22%
6	Are you able to develop mathematical modelling and transfer function for transmission systems?	/ u
-		72.78%

Sr. No.	e: Refrigeration and Air Conditioning [PECME704T] Faculty: Mr. Shrikant] Questions	Kathwate
1	Are you able to analyze the effect of various parameters on the performance of vapour compression refrigeration system using p-h/t-s chart?	CO
2	Are you able to evaluate the performance of multistage vapour compression refrigeration system?	68.94%
3	Are you able to select and explain various unconventional and low temperature refrigeration system?	68.94%
4	Are you able to analyze various psychrometric process on psychrometric chart?	71.06%
5	Are you able to design air conditioning system using heat load calculations?	70.64%
6	Are you able to design air distribution system for an air conditioning system?	69.36%
		68.94%

Sr. No. Ouestions Faculty : Mr. Yoges	sh Joshi	
Questions	CO	

1	Are you able to classify and explain various non-conventional energy resources and its environmental impact?	75.00%
2	Are you able to illustrate and examine the various solar thermal energy conversion systems?	73.50%
3	Are you able to illustrate and examine the various solar photovoltaic systems?	72.00%
4	Are you able to classify and explain various fuel cell and wind turbine technologies for electrical power generation?	74.50%
5	Are you able to analyze the energy conversion processes in biomass and hydrogen energy systems?	75.50%
6	Are you able to summarize different ocean energy systems and explain their working principles?	73.50%

Course :A	Automobile Engineering [OECME701T] Faculty : Dr. Pankaj Wankh Mr. Prasad Mar	
Sr. No.	Questions	CO
1	Will you able to classify different types of chassis, engines and explain various\ntypes of lubrication system & Cooling System ?	76.15%
2	Will you able to classify and explain different types of clutches and gearbox?	77.69%
3	Are you able to compare and explain various transmission system and brakes\nused in automobile?	77.69%
4	Are you able to classify different types of steering and suspension systems ?	81.92%
5	Are you able to compare different types of tyres and interpret various factors\naffecting tyre life?	78.92%
6	Are you able to examine various safety considerations and modern development in $\$	78.85%

3 for HoD, ME



(An Autonomous Institute, Affiliated to RTMNU, Nagpur) DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Action Taken Report on Course End Survey

2023-24 (Even Semester)

Course End Survey was conducted from 25th April to 2nd May 2024 for IV, VI and VIII semester students. The responses from students have been scrutinized, summarized using IONCudos. The analysis is shown to concerned faculties by the HoD.

The key observations (points) from summary and actions are listed as follows.

- > It is found that for all courses viz. theory, practical and projects are having feedback above 65% i.e. very good.
- > The analysis is shown to concerned course in-charges and also appreciated and motivated them to perform better.
- > All the survey will be used for, further academic improvement, faculty assessment and indirect. assessment.

Head of Department Mechanical Engineering



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DEPARTMENT OF MECHANICAL ENGINEERING



Vision: Emerge as an excellent centre for Mechanical Engineering education

Session 2023-24 (EVEN Semester)_VI_SEM

	Course End Survey Questions	
Course	: Applied Thermodynamics - I (PCCME601T) Faculty: Mr. Himanshu Wagh	0/ Faidhack
Sr. No.	Questions	% Feedback
1	Are you able to understand the general layout and components of Thermal powre plant?	67.24%
2	Are able to differentiate between different draught system used in the thermal power plant?	67.93%
3	Are you able to analyze the floe through steam nozzle?	71.38%
4	Are you able to analyze the fifeciency of reaction and Impulse steam turbine?	67.24%
5	Are you able to evaluate the efformace of the steam condenser and cooling towers?	66.90%
6	Are you able to evaluate the performance of gas turibe and explain the working of jet	64.14%
0	engine? Computer Aided Design (PCCME602T) Faculty: Mr. Yog	yesh Joshi
	Computer Added Design (r Condition 17	% Feedback
Sr. No.	Questions	
1	Do you able to differentiate between conventional design & CAD design and able to create the line, circle and ellipse using algorithms?	68.77%
2	Do you able to transform the given entity using 2D and 3D transformations?	68.07%
2	Do you able to create geometry using constructive solid geometry, feature based	70.18%
	modeling, solid modeling?	67.02%
4	Do you able to determine the displacement, stress and reactions using 1D FEM method?	66.67%
5	Are you able to solve two dimensional problems using FEM method?	65.96%
6	Do you know the steps of optimization ? Faculty: Mr. Yogesh	
	Computer Alded Design Eub (r Centerter)	% Feedback
Sr. No.	Questions Are you able to create 2D and 3D models of mechanical engineering components using	68.28%
1	CAD software tools? Are you able to formulate one dimensional and two dimensional maching components	71.38%
2	using finite element method?	43 · · · · ·
3	Are you able to generate a program for grahical entitites?	69.66%
Course	Instrumentation and Metrology (PCCME603T) Faculty: Mr. Ajay Joshi	
	Questions	% Feedback
Sr. No. 1	Are you able to disntinguish static and dynamic characteristics of measuring	68.93%
2	instruments? Are you able to understand the working principle of various measuring instrument used	68.93%
2	for measuring temperature, strain, pressure force, speed etc.?	68.21%
3	Are you able to explain various transducers and sensor used in manufacturing industry? Are you able to analyze linear and angular measuring instruments used in	71.79%
4	manufacturing industries?	67.86%
-	Are you able to understand the concept of limit, fits, tolerances ? Are you able to classify comparators and intruments for measuring thread and gear	65.71%
0	profile?	
Course	Instrumentation and Metrology Lab (PCCME603P) Faculty: Mr. Shrikant Kath	Wate
Sr. No.	Questions	% Feedback
1	Are you able to measure the dimensions of specimens using various instruments.	71.48%
2	Are you able to measure the linear & angular displacement, force and speed using transducers.	72.96%
	Are you able to test for the flatness and analyse the profiles.	72.96%
3	A reveal able to assess the measurement technique used in pressure gauge.	69.63%
4	Are you able to assess the measurement enterna of the second able to assess the measurement of the second able to assess the second able to assess the measurement of the second able to assess the measurement of the second able to assess the second able to asse	arvesh Biyani
a	Statistics and Quanty control (BQC) (c = control (BQC))	% Feedback
Course Sr. No.	Questions	/0 recuback

3 Are you able to determine the variation in a process using control charts for variables? 62.0 4 Are you able to determine the conformance of quality characteristics using control 58.2 6 Are you able to understand and Select the sampling plans for acceptance of materials ? 65.2 6 Are you able to understand and Select the sampling plans for acceptance of materials ? 66.0 7 Are you able to explain the basic concepts of Six Sigma, Lean Production and Just in 66.0 7 Course : Chassis System Design(CSD) (PECME603T) Faculty: Dr. Turshar Sathe 8 Are you able to explain the concept of chassis design and its components. 75.8 2 Are you able to formulate stresses on frame members and design frame for passenger 74.7 3 Are you able to analyze stresses at different section at front axle, bearings and steering 75.8 4 Are you able to discuss design of chassis using Body In White. 73.57 5 Are you able to discuss design of chassis using Body In White. 73.57 6 Are you able to explain and classify yarious conventional 68.82 7 Are you able to explain and classify yarious conventional and non conventional 68.82 6 Are you able to explain and classify various conventional	2 3	Are you able to correlate between Collaborative Approach and Distributive Approach in Are you able to identify d	% Feedback 64.73% 67.64% 67.27%
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00131	3	Are you able to determine the variation in a process using control charts for variables?	62.61%
2 [Are you able to determine various process parameters using statistical process control		10013	65.22%
	2	Are you able to determine various process parameters using statistical process control	(5.000)

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S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR. BLAM An Autonomous Institute, Affiliated to REMANU, Natepol) DEPARTMENT OF MECHANICAL ENGINEERING Protect Strange of the Activity for Machanical Kingerse Top and Activity Protect Strange of the Activity Strange of the Activity Strange of the Activity



Session 2023-24 (EVEN Semester)_VIII_SEM Course End Survey Ouestions

	Course End Survey Questions	
Carriero	e: Design of Mechanical Drives (PCCME801T) Faculty: Mr. Vinod Suple / Mr. Nilesh Gowardipe	0/ Feedback
	Questions	% Feedback
Sr. No.	Are you able to design the coupling using standard properties and evaluate orange particular of the standard properties and evaluate orange particular of the standard properties and evaluate or the standard	69.88%
1	and dynamic loading? Are you able to select and design the suitable belt drives for industrial application?	66.02%
2	Are you able to select and design the suitable bed abread at the for industrial application?	68.43%
3	Are you able to select and design the suitable bert direct for industrial application ? Are you able to select and design wire rope and chain drive for industrial application ? Are you able to design spur and helical gear for given loading based on strength and wear consideration ?	67.95%
4	Are you able to design spur and helical gear for given loading observe on space on and non-intersecting shaft?	68.67%
5	Are you able to design spur and helical gear for given loading based on strength due to the strength of the st	68.92%
6		000270
Country	exPreduction planning and control	% Feedbacl
	Questions	
Sr. No. 1	Are you able to explain the concept of production planning & control and sorre the production planning and control and	74.17%
	analysis? Are you able to explain the factors influencing capacity planning, aggregate planning, process planning and the	70.83%
2	basic concept of line balancing? Are you able to explain the routing & scheduling process and factors affecting scheduling to schedule the	75.42%
3	Are you able to Explain the loading dispatching and expediting process in the production shop and construct the	72.92%
4	ganit chart, viaual chart, cumulative and weekly charts? Are you able to explain the fundamental of inventory control and determine the economic order quantity &	75.83%
5	economic lot size? Are you able to compare material requirement planning (MRP) and enterprise resource planning (ERP) with respect	75.83%
6	to manufacturing?	
Course	Automation in Production (PECME802T) Faculty: Df. Failed Walkheed	% Feedbac
Sr. No.	Ouestions	66.19%
1	t the function of automation incometion incometion	67.62%
2	the standard of the numerical control part program and explain its role in warding	66.67%
3	Are you able to develop the human and its programming? Are you able to Explain robot anatomy and its programming?	65.24%
4	Are you able to Explain robot anatomy and its programming? Are you able to examine the performance of material handling system using analytical method ?	68.10%
5	Are you able to examine the performance of material handling system using analyteet interest in the second	66.67%
6	11 to some by advanced manufacturing includingly to improve intervention	
Course	Faculty: MI. Sin Rate Automatic	% Feedbaa
Sr. No.	Questions	72.00%
1	Are you able to summarize the application of cryogenics in the field of energy, aeronautics, space and sciences?	
2	Are you able to explain the mechanical, thermal, and electrical properties of some analy of the	77.60%
	illustrate the properties of cryogenic rates -	68.80%
3	Are you able to estimate various performance parameters of eryogenice reingenice reingenice	
3	Are you able to estimate various performance parameters of cryogeneo remember of systems various cycles? Are you able to determine the performance of the heat exchangers, compressors, and expanders working under	75.20%
4	Are you able to estimate various performance parameters of cryogenice remembers and expanders working under various cycles? Are you able to determine the performance of the heat exchangers, compressors, and expanders working under cryogenic temperature? Are you able to determine energy associated with the separation of a mixture of gases and explain various methods	
	Are you able to estimate various performance parameters of cryogenice remembers and expanders working under various cycles? Are you able to determine the performance of the heat exchangers, compressors, and expanders working under cryogenic temperature? Are you able to determine energy associated with the separation of a mixture of gases and explain various methods	75.20%
4 5 6	Are you able to estimate various performance parameters of cryogenice refrigence refrige	75.20% 76.80% 74.40%
4 5 6 Course	Are you able to estimate various performance parameters of cryogenice reingenities and explain various cycles? Are you able to determine the performance of the heat exchangers, compressors, and explanders working under cryogenic temperature? Are you able to determine energy associated with the separation of a mixture of gases and explain various methods of separating gasses ? Are you able to illustrate the cryogenics storage system and explain the working various instruments operating at cryogenic temperature? Are you able to illustrate the cryogenics storage system and explain the working various instruments operating at cryogenic temperature? Example 1.1 Faculty: Mr. Nikhil Shrikhande	75.20% 76.80%
4 5 6 Course	Are you able to estimate various performance parameters of cryogenice refrigenment ended with a various cycles? Are you able to determine the performance of the heat exchangers, compressors, and expanders working under cryogenic temperature? Are you able to determine energy associated with the separation of a mixture of gases and explain various methods of separating gasses ? Are you able to illustrate the cryogenics storage system and explain the working various instruments operating at cryogenic temperature? Are you able to illustrate the cryogenics storage system and explain the working various instruments operating at cryogenic temperature? e : Solar Energy Utilization (PECME806T) Faculty: Mr. Nikhil Shrikhande	75.20% 76.80% 74.40%
4 5 6 Course Sr. No. 1	Are you able to estimate various performance parameters of cryogenice refrigenmenters and expanders working under various cycles? Are you able to determine the performance of the heat exchangers, compressors, and expanders working under cryogenic temperature? Are you able to determine energy associated with the separation of a mixture of gases and explain various methods of separating gasses ? Are you able to illustrate the cryogenics storage system and explain the working various instruments operating at cryogenic temperature? Example 1.1 Example 1.1 Example 1.1 Example 1.1 Content of the separation of a mixture of gases and explain various methods Content of the separation of a mixture of gases and explain various methods Content of the separation of a mixture of gases and explain various methods Content of the separation of a mixture of gases and explain various methods Content of the separation of a mixture of gases and explain various instruments operating at cryogenic temperature ? Content of the separation of a mixture of gases and explain the separation of a mixture of gases and explain various instruments operating at cryogenic temperature ? Content of the separation of a mixture of gases and explain the separation and solar geometry ?	75.20% 76.80% 74.40% % Feedbaa
4 5 6 Course Sr. No.	Are you able to estimate various performance parameters of cryogenice refrigenment and explain various cycles? Are you able to determine the performance of the heat exchangers, compressors, and explanders working under cryogenic temperature? Are you able to determine energy associated with the separation of a mixture of gases and explain various methods of separating gasses ? Are you able to explain the cryogenics storage system and explain the working various instruments operating at cryogenic temperature? e : Solar Energy Utilization (PECME806T) Faculty: Mr. Nikhil Shrikhande Questions Are you able to explain the fundamental of solar radiation and solar geometry? Are you able to summarize the concept of solar energy utilization and illustrate the operation of solar photovoltaic cult with its application?	75.20% 76.80% 74.40% % Feedbac 71.11%
4 5 6 Course Sr. No. 1	Are you able to estimate various performance parameters of cryogenice refrigence refrige	75.20% 76.80% 74.40% % Feedba 71.11% 70.48% 69.84%
4 5 6 <u>Course</u> <u>Sr. No.</u> 1 2	Are you able to estimate various performance parameters of cryogenice refrigention encryogenice temperature various cycles? Are you able to determine the performance of the heat exchangers, compressors, and expanders working under cryogenic temperature? Are you able to determine energy associated with the separation of a mixture of gases and explain various methods of separating gasses ? Are you able to illustrate the cryogenics storage system and explain the working various instruments operating at cryogenic temperature? Faculty: Mr. Nikhil Shrikhande Cuestions Are you able to explain the fundamental of solar radiation and solar geometry? Are you able to summarize the concept of solar energy utilization and illustrate the operation of solar photovoltaic cell with its application? Are you able to analyze various solar collector and determine its performance parameters? Are you able to analyze various solar collector used for solar power generation ?	75.20% 76.80% 74.40% % Feedba 71.11% 70.48% 69.84% 69.84%
4 5 6 <u>Course</u> <u>Sr. No.</u> 1 2 3	Are you able to estimate various performance parameters of cryogenice refrigence refrige	75.20% 76.80% 74.40% % Feedba 71.11% 70.48% 69.84%

Dr. Harish Bhatkulkar HoD, ME



(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF MECHANICAL ENGINEERING

Vision: Emerge as an excellent centre for Mechanical Engineering education

Session 2023-24 (EVEN Semester)_IV_SEM

-	Course End Survey Questions Faculty: Dr Ma	anjushree Muley
	Engineering Mathematics IV (Boothellorry)	% Feedback
Sr. No.	Questions	68.75%
1	Are you able to apply numerical methods to solve algebraic and Transcendental equations?	00.7570
2	Are you able to apply numerical methods to solve first and second order ordinary differential equation ?	68.75%
3	Are you able to apply power series method to solve Legendre's differential equations ?	67.50%
4	Are you able to apply the concept of probability to find the physical significance of various Distribution phenomena?	65.00%
5	Are you able to apply the knowledge of Mathematical expectation to solve moments generating functions, coefficient of skewness and kurtosi	68.75%
6	Are you able to solve Binomial, Poisson's, Normal and other Distributions of a given problem?	70.63%
	Strength of Materials (PCCME401T)] Faculty: Dr. Pan	kaj Wankhede
Sr. No.	Questions	% Feedback
1	Are you able to explain the concepts of stress & strain and calculate deformation under different loading conditions.	75.33%
2	Are you able to analyze the principal stresses in elements and calculate strain energy based on loading condition.	67.33%
3	Are you able to construct shear force & bending moment diagram for various loading conditions and calculate bending stresses in beams.	70.00%
4	Are able to formulate slope and deflection equations for beams subjected to various loads.	68.00%
5	Are you able to construct shear stress distribution diagram and analyze torsional shear stresses in circular shafts.	69.33%
6	Are you able to analyze stresses in cylinders and evaluate buckling in columns.	68.67%
Course:	Strength of Materials Lab (PCCME401P) Faculty: Mr. Archis Dhaw	
Sr. No.	Questions	% Feedback
1		
	Are you able to determine the strength of specimen by performing tension, shear and compression test using universal testing machine?	63.13%
2	test using universal testing machine? Are you able to perform impact test to determine toughness of the material using Charpy and Izod test?	63.13% 68.88%
2	test using universal testing machine? Are you able to perform impact test to determine toughness of the material using Charpy and Izod test? Are you able to estimate constants through compression test on spring and deflection test on beam?	
2 3 4	test using universal testing machine? Are you able to perform impact test to determine toughness of the material using Charpy and Izod test? Are you able to estimate constants through compression test on spring and deflection test on beam? Are you able to determine modulus of rigidity of material using torsion testing machine?	68.88%
2 3 4 Course:	test using universal testing machine? Are you able to perform impact test to determine toughness of the material using Charpy and Izod test? Are you able to estimate constants through compression test on spring and deflection test on beam? Are you able to determine modulus of rigidity of material using torsion testing machine? Fluid Mechanics and Machinery (PCCME402T) Faculty: Mr. Pankaj	68.88% 66.25% 65.00%
2 3 4	test using universal testing machine? Are you able to perform impact test to determine toughness of the material using Charpy and Izod test? Are you able to estimate constants through compression test on spring and deflection test on beam? Are you able to determine modulus of rigidity of material using torsion testing machine?	68.88% 66.25% 65.00% Jaiswal
2 3 4 Course:	test using universal testing machine? Are you able to perform impact test to determine toughness of the material using Charpy and Izod test? Are you able to estimate constants through compression test on spring and deflection test on beam? Are you able to determine modulus of rigidity of material using torsion testing machine? Fluid Mechanics and Machinery (PCCME402T) Faculty: Mr. Pankaj Questions Are you able to explain fundamental concept of fluid mechanics and perform the calculate the pressure, hydrostatic forces on submerged planed and curved surface ?	68.88% 66.25% 65.00%
2 3 4 Course: Sr. No.	test using universal testing machine? Are you able to perform impact test to determine toughness of the material using Charpy and Izod test? Are you able to estimate constants through compression test on spring and deflection test on beam? Are you able to determine modulus of rigidity of material using torsion testing machine? Fluid Mechanics and Machinery (PCCME402T) Faculty: Mr. Pankaj Questions Are you able to explain fundamental concept of fluid mechanics and perform the calculate the pressure, hydrostatic forces on submerged planed and curved surface ? Are you able to apply fundamental concept of fluid kinematics, dynamics and Bernoullis equation for application of fluids flow?	68.88% 66.25% 65.00% Jaiswal % Feedback
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2 3 4 Course: Sr. No. 1 2 3	test using universal testing machine? Are you able to perform impact test to determine toughness of the material using Charpy and Izod test? Are you able to estimate constants through compression test on spring and deflection test on beam? Are you able to determine modulus of rigidity of material using torsion testing machine? Fluid Mechanics and Machinery (PCCME402T) Faculty: Mr. Pankaj Questions Are you able to explain fundamental concept of fluid mechanics and perform the calculate the pressure, hydrostatic forces on submerged planed and curved surface ? Are you able to apply fundamental concept of fluid kinematics, dynamics and Bernoullis equation for application of fluids flow? Are you able to apply fundamental of viscous flow, laminar & turbulant houndary laws of the second sec	68.88% 66.25% 65.00% Jaiswal % Feedback 63.13% 70.00%

~	Course: Fluid Mechanics and Machinery Lab (PCCME402P) Faculty: Mr.	Nikhil Shrikhande
Sr. No.	Questions	% Feedback
1	Are you able to Understand and analyze the forces & their effects on a floating object in the fluid?	70.63%
2	Are you able to Classify the type of flow using Reynolds Number and determine the friction	70.00%
3	Are you able to Apply the Bernoulli's concept and measure the coefficient of discharge of Venturimeter, orifice meter and notch?	72.50%
4	Are you able to Evaluate performance parameters of hydraulia turking and hydraulia	70.00%
Course	: Dynamics of Machines (PCCME405T) Faculty : Mr. Fai	the second se
Sr. No.	Questions	% Feedback
1	Are you able to understand the force analysis for planar mechanism and jump-off phenomenon in cam dynamics	69.09%
2	Are you able to determine gyroscopic effect on air plane, ship, four wheeler and two wheeler	72.13%
3		71.52%
4	you dole to compare mywheel and governor	70.91%
5	Are you able to classify free forced and down a tail it is	63.03%
6	The you dole to determine the natural C	
ourse	Dynamics of Machines Lab (PCCME405P)	66.67%
Sr. No.	Omenti and a start of the start	
1	Are you able to inspect the effects of gyroscopic torque on rotating disc and examine the balancing condition of rotating masses	% Feedback 72.50%
2	Are you able to identify jump-off phenomenon in cam system	72.50%
3	Are you able to evaluate the performance characteristics of	
4	mechanical system.	75.63%
ubject:	Python Programming Lab	
	Faculty: Dr. Pankaj Wankhe	
Sr. No.	Questions	
5 r. No. 1	Ouestions	% Feedback
	Questions Are you able to apply the fundamental of python programming for solution of problem?	% Feedback 73.13%
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1 2	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type?	% Feedback 73.13%
1 2 3 4	Questions Are you able to apply the fundamental of python programming for solution of problem? Are you able modify strings and lists using various method? Are you able to use various concepts of python data type? Are you able to use the concepts of OOPs for solving problems?	% Feedback 73.13% 71.88% 73.13% 71.88%
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Dr. Harish Bhatkulkar 6 HoD, ME

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