



Tulsiramji Gaikwad-Patil College of Engineering and Technology



**Approved by AICTE, New Delhi,
Govt. of Maharashtra**



**(An Autonomous Institution Affiliated to RTM Nagpur University with NAAC A+ Grade)
Session 2024-25 (Even Semester)**

**Department of Electrical Engineering
(NBA Accredited)**

Report on Hands-on workshop

**Three Days Hands-on Workshop
on**

**“Electrical Winding Design With MATLAB
& Practical Applications”**

7th-9th Jan 2025

Department Vision & Mission

Vision: To emerge as a Learning Hub and Centre of Excellence in the domain of Electrical Engineering.

Mission:

1. To disseminate knowledge replete with quality education in the field of Electrical Engineering in meticulous and methodical manner.
2. To provide platform to address societal issues as well as challenges faced by industries.
3. To develop research culture and inculcate innovative and entrepreneurial skills.
4. To ensure overall development of students and staff by instilling knowledge and professional ethics as a part of lifelong learning.

Program Educational Objectives (PEOs)

1. Demonstrate and analyze the fundamental knowledge with respect to the various domains of Electrical Engineering.
2. Investigate and apply modern tools to develop innovativeness in different applications of Electrical Engineering domain.
3. Integrate new emerging trends and concepts in Electrical Engineering profession for sustainable development.
4. Develop professionals having managerial and administrative Qualities for Electrical Engineering related industries.
5. Promote lifelong learning, to prepare for the next challenges in the field of Electrical Engineering.

Program Outcomes (POs)

1. Engineering Knowledge
2. Problem Analysis
3. Design/development of solutions
4. Conduct investigations of complex problems
5. Modern tool usage
6. The engineer and society
7. Environment and sustainability
8. Ethics
9. Individual and team work
10. Communication
11. Project management and finance
12. Life long learning

Three Days Hands-on Workshop on “Electrical Winding Design with Matlab & Practical Applications”

Mode of Workshop Offline

Duration: Three Days

Program Time: 10:00 am to 4:00pm

Total Students participated: 65 (IV semester Students of EE Department)

Expert of the Workshop: Mr. Deepak Shelar, Sr. Electrical Traininer, Jai Bhawani Elecrical Works, MIDC, Butibori

Coordinators of Workshop: Prof. Ashvini Admane and Prof. Mrunali Kite

Schedule of Workshop:

Day 1:

1. Inauguration Function
2. Introduction to the workshop
3. Objectives
4. Introduction to electrical machines, Winding
5. key design parameters
6. Hand-on experience
7. Feedback from Students

Day 2:

Hand-on experience on programs

1. Introduction to MATLAB interface
2. basic commands
3. scripting,
4. simple MATLAB functions
5. Hand-on experience on programs
6. Feedback from Students

Day 2:

Hand-on experience on programs

1. Lecture: Real-World Applications of Winding Design
2. Hands-on
3. Wrap-up, Q&A, and Closing Remarks
4. Vote of thanks

Aim of workshop:

The aim of the workshop is to Provide participants with a comprehensive understanding of principles and practices of electrical winding design as well as hand –on experience with MATLAB & its Application In the field. .

Objectives of workshop:

- 1. Introduce Electrical Winding Design Concepts:** Discuss the importance of winding configurations, wire materials, insulation, and other design parameters in ensuring efficient and reliable operation.
- 2. Hands-on Experience with MATLAB:** Provide participants with practical, hands-on experience in using MATLAB for simulating and analyzing winding designs
- 3. Application to Real-World Scenarios:** Emphasize how MATLAB can be used to solve practical challenges in winding design, such as maximizing efficiency, minimizing losses, and improving thermal performance.
- 4. Optimization and Performance Evaluation:** Introduce optimization techniques using MATLAB for improving winding design based on performance criteria like thermal management, current-carrying capacity, and space utilization.
- 5. Collaboration and Networking:** Encourage collaboration among participants to discuss challenges, share ideas, and learn from one another's experiences.
- 6. Practical Application:** Applying learned skills to real-world projects.

Introduction of Program:

The field of electrical winding design plays a critical role in the performance and efficiency of electrical machines, including motors, transformers, and generators. A well-designed winding not only ensures optimal electrical and thermal performance but also contributes to the longevity and reliability of the device. However, the complexity of modern electrical systems requires a comprehensive understanding of winding principles and the ability to design and analyze these components effectively.

The "Three Days Hands-on Workshop on "Electrical Winding Design with MATLAB and Practical Applications" is designed to bridge the gap between theoretical concepts and practical implementation in the field of electrical winding design. This workshop offers an exciting opportunity for Electrical engineers, researchers, and students to gain hands-on experience with advanced computational tools, particularly MATLAB, to optimize winding designs and enhance performance for a wide range of applications.

Methodology: -

1. **Practical Demonstration of Winding Procedures:** Hands-on training in real-world winding processes with industrial equipment, guided by experts.
2. **MATLAB-Based Motor Design :** Step-by-step instruction on motor design using MATLAB, including simulation and analysis of electrical parameters.
3. **Integration of Theory and Practice:** Bridging theoretical concepts with practical applications to ensure comprehensive understanding.
4. **Interactive Problem-Solving Sessions:** Real-time troubleshooting and Q & A to address participant queries and enhance learning outcomes.

Mapping with PO:

This workshop helps student to learn about

- 1) Engineering Knowledge
- 2) The Engineer and Society
- 3) Environment & Sustainability
- 4) Modern tool usage
- 5) Individual and team work
- 6) Communication
- 7) Life long Learning
- 8) Project Management & Finance

Outcomes:

- 1. Proficiency in Winding Procedures:** Participants will gain practical skills in executing electrical winding techniques.
- 2. Expertise in MATLAB Motor Design:** Ability to design, simulate, and analyze motor windings in MATLAB.
- 3. Practical Application Knowledge:** Understanding how to apply learned techniques in real-world industrial scenarios.
- 4. Enhanced Troubleshooting Skills:** Improved capability to identify and solve issues in winding and motor design.
- 5. Certification for Industry Readiness:** Participants will receive a certificate to showcase their skills and knowledge.

Conclusion:

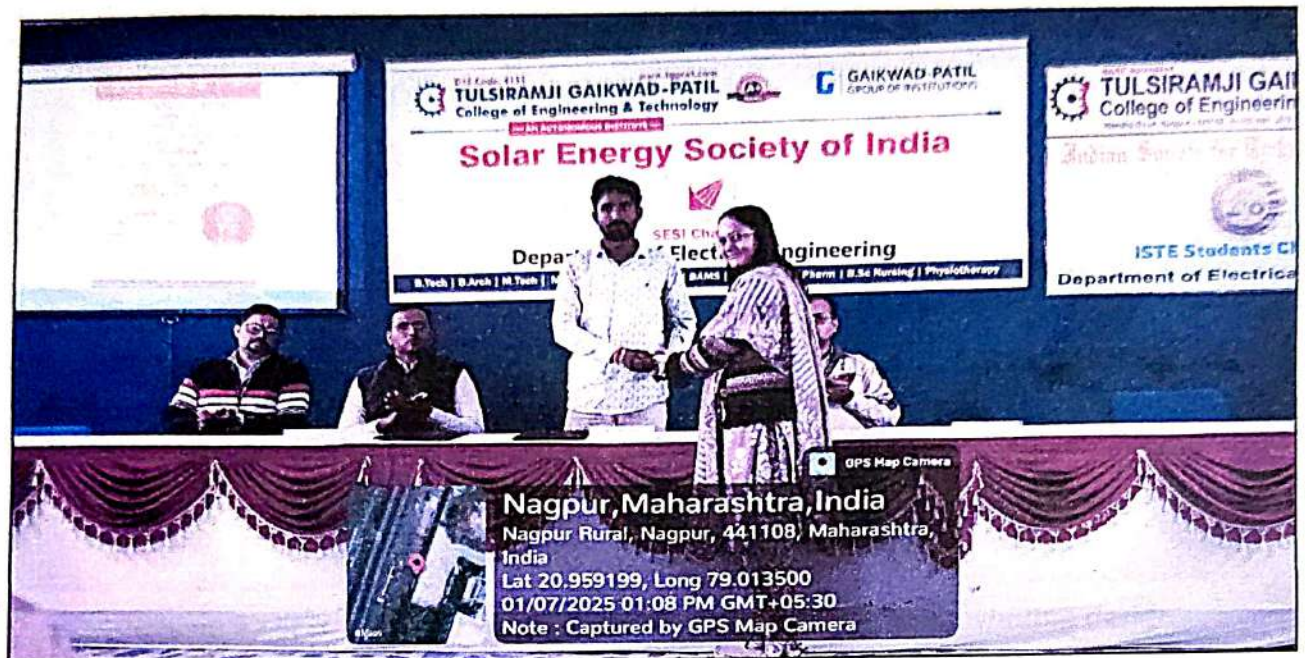
The workshop is a way to share advanced knowledge to the students which is beyond the books so that they can think in an innovative way. This aspect of the program should be expanded for future programs. The overall workshop ended up with good experience.

Acknowledgement:

We would like to extend our heartfelt thanks to Mr. Deepak Shelar, Sr. Electrical Traininer, Jay Bhawani Electrical Works ,MIDC, Butibori Nagpur, for his insightful sessions and guidance throughout the workshop. His expertise and hands-on demonstrations in the field of Electrical Winding Design .

We also extend our gratitude to the Management Chairman GPG Hon. Dr. Mohan Gaikwad-Patil, Vice-Chairman Hon. Akash Gaikwad-Patil, Treasurer Hon. Dr. Sandeep Gaikwad, Principal Hon. Dr. P. L. Naktode, Vice-Principal Hon. Dr. Pragati Patil for their continuous support in organizing this workshop, which has provided students of Electrical Engineering with an invaluable learning experience.

Glimpses:-



Welcome to Session Expert Mr. Deepak Shelar by hand of Prof. Ashvini Admane



Welcome to Session Expert Mr. Deepak Shelar by hand of Prof. Ashvini Admane



Session Expert giving Practical Demonstration on Electrical winding design

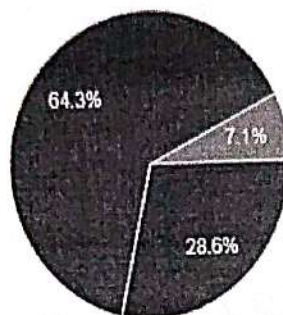


Felicitated to Session Expert Mr. Deepak Shelar by hand of Prof. Ganesh Wakte(HoD, EE)

1. How would you rate the overall quality of the workshop?


 Copy chart

28 responses

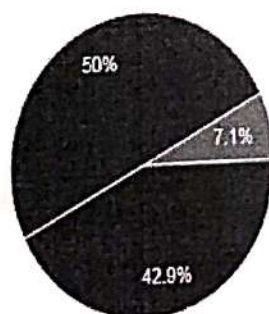


- a) Excellent
- b) Good
- c) Average
- d) Poor

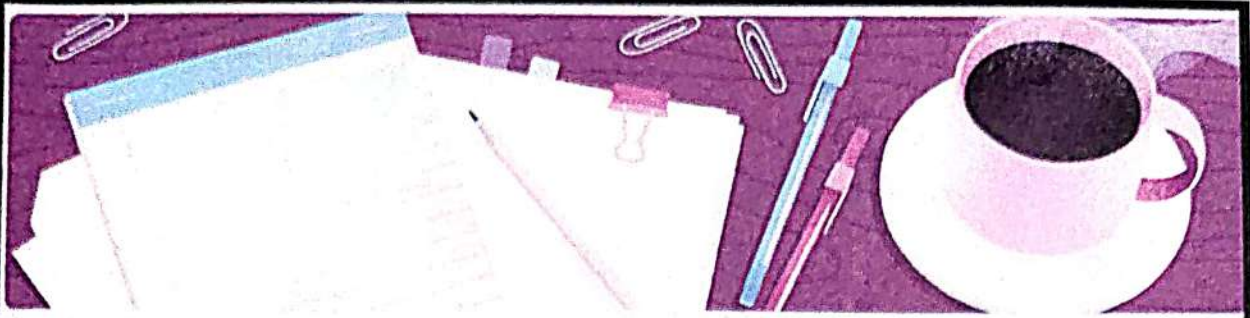
2. How effective were the hands-on activities in helping you understand electrical winding design concepts?

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chart

28 responses

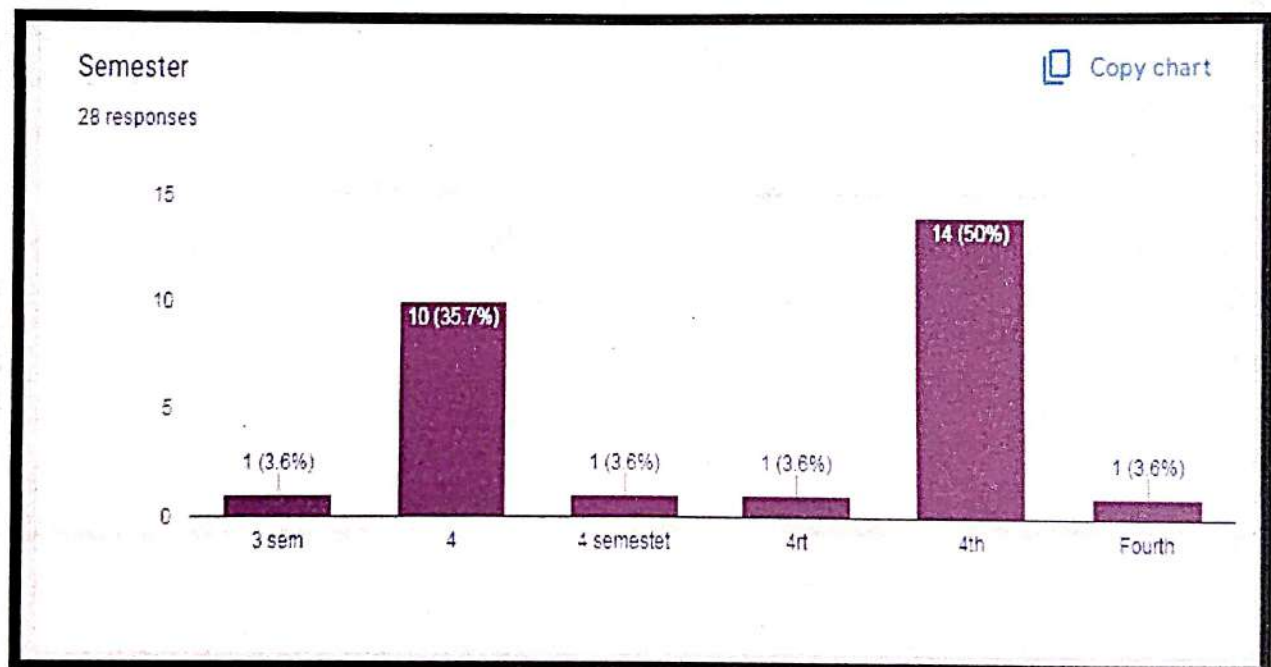


- a) Very effective
- b) Effective
- c) Somewhat effective
- d) Not effective




Three Days Hand-on Workshop on "Electrical Winding Design with MATLAB and Practical Applications : Feedback Form(Day-02) Date:(8th JAN 2025)

Form description





Questions Responses **19** Settings Total 1

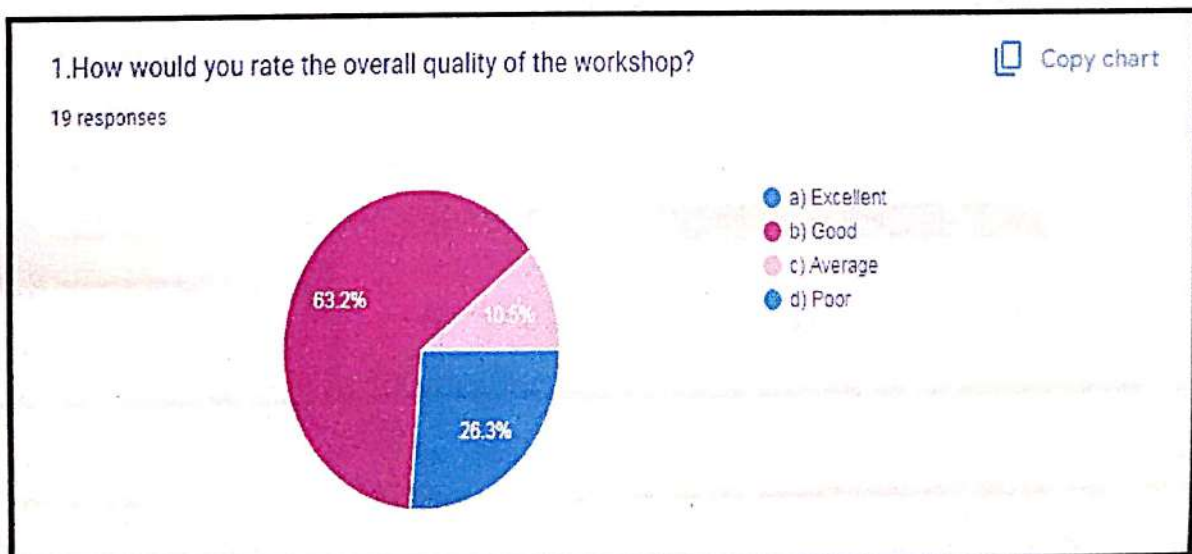
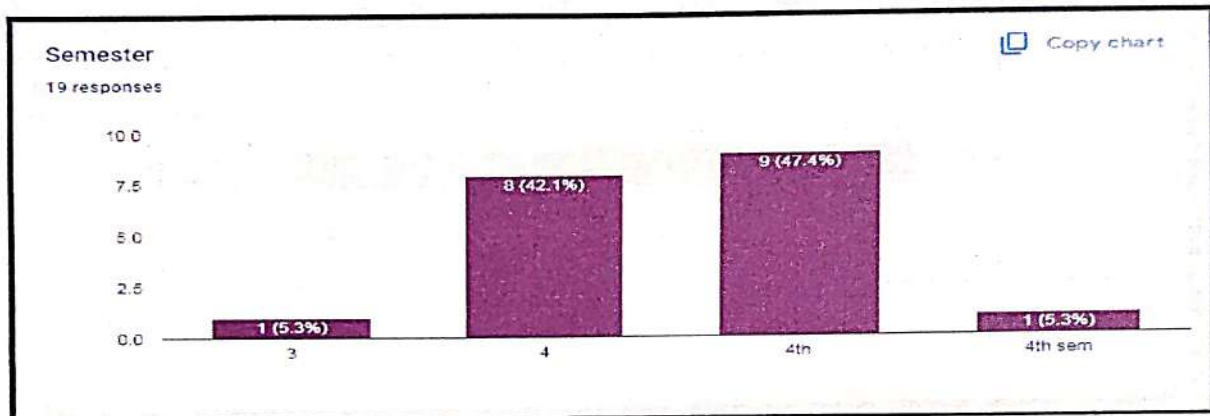


Three Days Hand-on Workshop on "Electrical Winding Design with MATLAB and Practical Applications : Feedback Form(Day-03)

Date:(9th JAN 2025)

B I U  

Form description



Google form questions and responses after conduction of workshop:

Questions Responses **41** Settings Total points: 10

Section 1 of 2

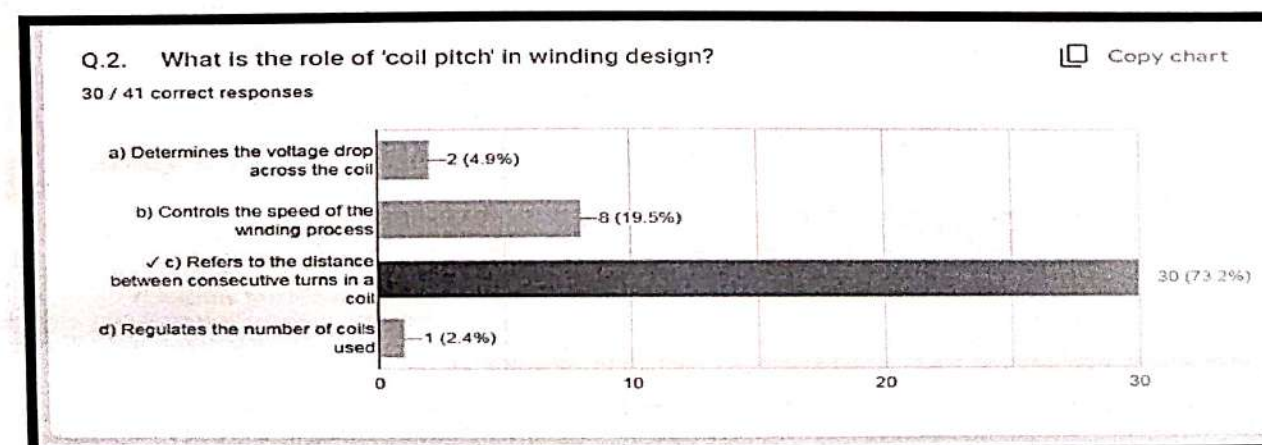
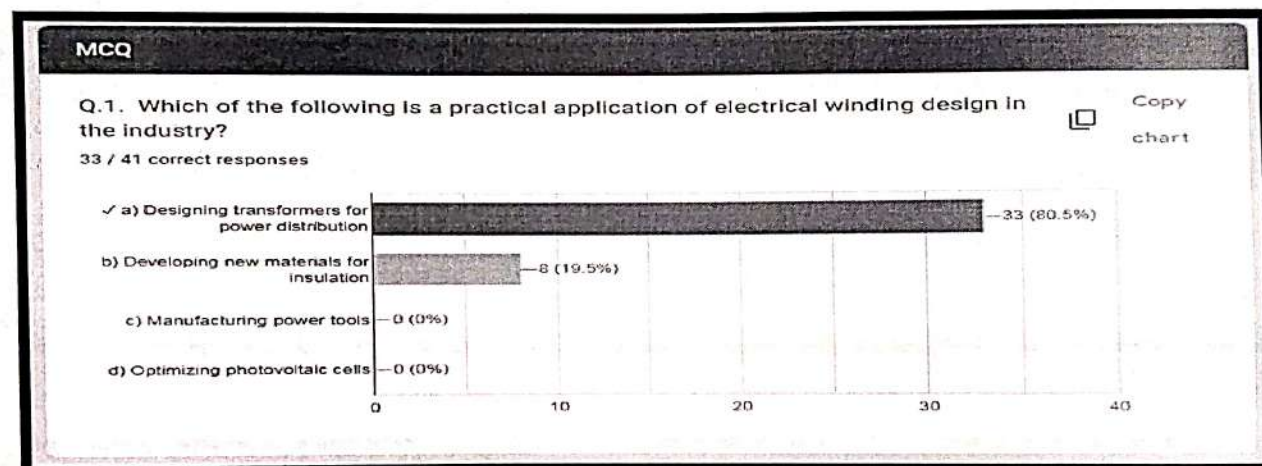
Three Days Hand-on Workshop on Electrical Winding Design with MATLAB & Practical Application - MCQ Paper

B I U

Date : 07.01.2025 -09.01.2025 Marks : 10 M

Email *

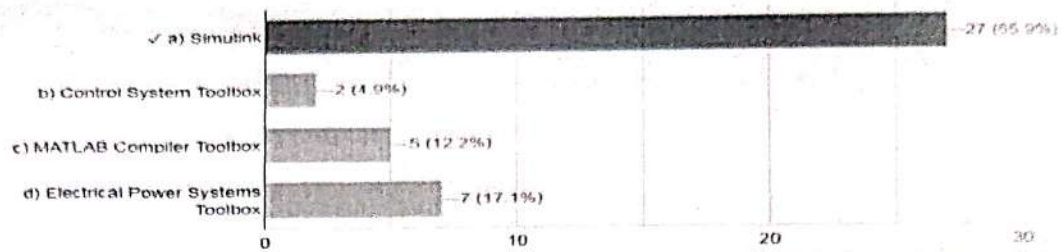
Valid email



Q.3. Which MATLAB toolbox is commonly used in electrical winding design for simulating electrical systems and performing analysis?

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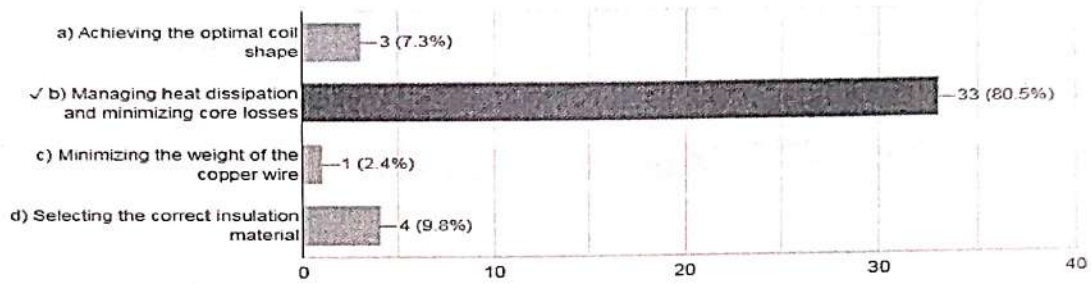
27 / 41 correct responses




Q.5. What is a major challenge when designing windings for large transformers?

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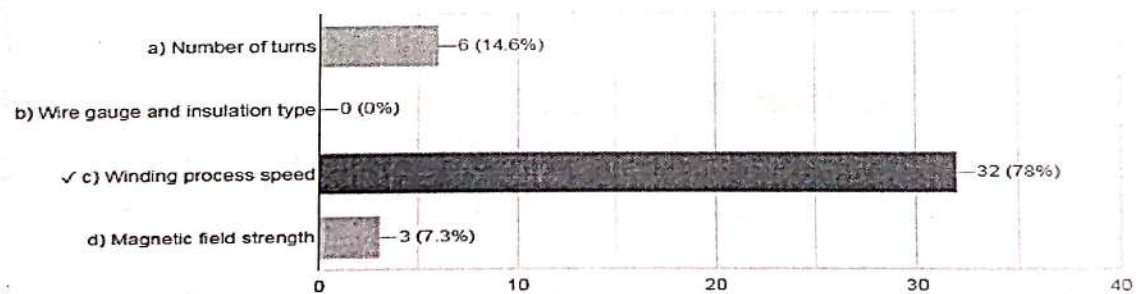
33 / 41 correct responses



Q.6. Which of the following is NOT an essential factor in electrical winding design?

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32 / 41 correct responses

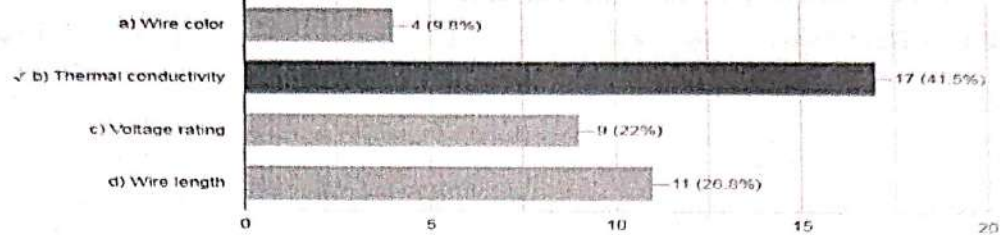


Q.7. Which of the following properties is important when selecting wire for a winding?

17 / 41 correct responses



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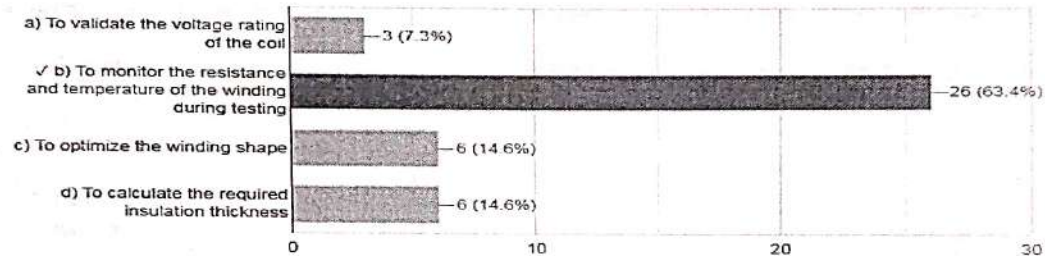


Q.8. During the workshop, why would you need to use real-time data acquisition in winding design?

26 / 41 correct responses



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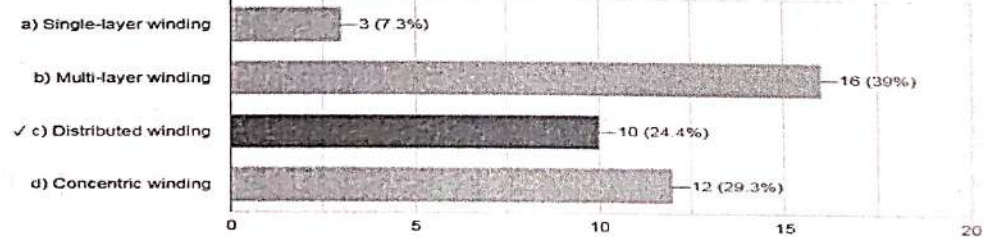


Q.9. Which type of winding configuration is most commonly used in high-voltage transformers to reduce eddy currents and hysteresis losses?

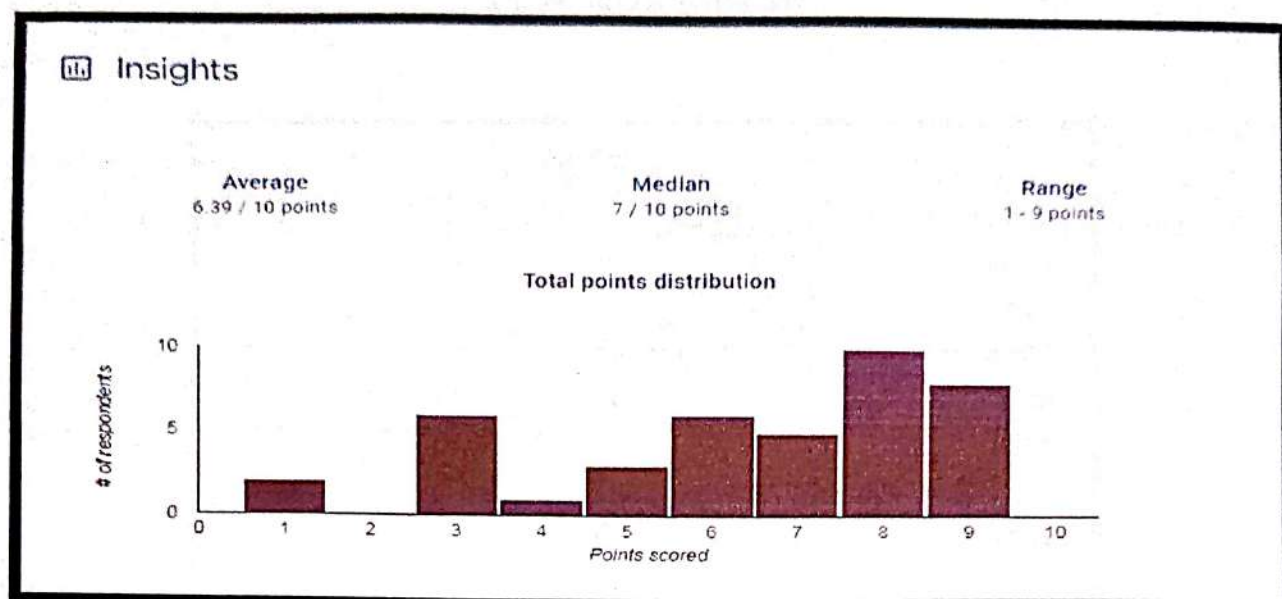
10 / 41 correct responses



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Column chart for answer of question for students responses:

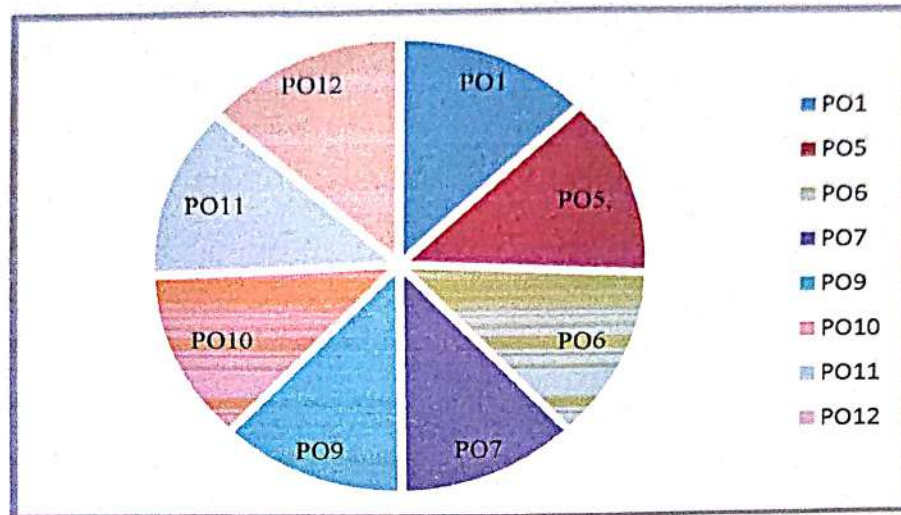


Correct answer in % range 80-100 (3),60-80 (2) and below 60(1)

Question number	Correct answer in%	Pos Mapped							
		PO1	PO5	PO6	PO7	PO9	PO10	PO11	PO12
1	68.2	2	3	3	3	-	3	3	3
2	45.5	1	2	2	3	3	2	2	3
3	86.4	6	3	3	3	2	3	3	3
4	31.8	2	2	2	1	2	2	2	2
5	54.5	3	3	3	2	3	2	3	3
6	68.2	3	3	2	2	3	3	3	3
7	40.9	2	2	2	2	2	2	2	2
8	59.1	2	2	2	2	2	3	2	2
9	50.0	3	3	3	2	3	2	2	3
10	45.5	2	2	2	3	2	2	2	2
Average	55.01	2.5	2.5	2.4	2.3	2.4	2.4	2.4	2.6

Pie chart analysis for POs attainment

POS Attainment



Ms. Ashvini Admane
Asst. Professor
Co-ordinator of Workshop

Prof. Mrunali Kite
Asst. Professor
Co-ordinator of Workshop

09/01/25

Prof. Ganesh Wakte
Head of Department, EE
Convener



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Department of Electrical Engineering



Attendance Sheet

“Three Day Hand-on Workshop on Electrical Winding Design with MATLAB and Practical Application”

Session - I

Date: 07/01/25

Sr. No.	Name of Students	Semester	Signature
1.	Chetan wanjari.	IV	
2.	Akhil pazare.	IV	
3.	Rushikesh sonarkhan.	IV	
4.	Alisha khobragade.	IV	
5.	Sayali Patle	IV	
6.	Janvi Sonare	IV	
7.	Saloni Rathod	IV	
8.	Tejswini khobe	IV	
9.	Bhavti Chaturvedi	IV	
10.	Suhani Fukat	IV	
11.	shraddha kelzarkar	IV	
12.	Kaveer Nchare	IV	
13.	Kajal Deosarkar	IV	
14.	Tanushree Raghavate	IV	
15.	Diksha Rathod	IV	
16.	Bharati Thare	IV	
17.	Samiksha Rayurkar	IV	
18.	Tanvi Meshram	IV	
19.	Preerna warade	IV	
20.	Rasika Duf	IV	
21.	Pradnya Sangolkar	IV	



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Department of Electrical Engineering

Sr. No.	Name of Students	Semester	Signature
22.	Khushi V. Meshram	IV	P Meshram
23.	Sakshi V. Jogalekar	IV	S Jogalekar
24.	Pratiksha P. Sule	IV	P Sule
25.	Sushma Shende	IV	S Shende
26.	Divya Kale	IV	D Kale
27.	Sharda Giripurne	IV	S Giripurne
28.	Vaidehi Meshram	IV	Vaidehi
29.	Priya Sori	IV	P Sori
30.	Arya Ayatwale	IV	Arya
31.	Sneha Bodhe	IV	Sneha
32.	Akanksha Mohilkar	IV	Akanksha
33.	Achal R. Kurutkar	IV	Achal
34.	Shreya K. Telse	IV	Shreya
35.	PAWAN. N. Patil	IV	P
36.	Sabil- MUJARIYA	IV	
37.	OM. A. Wankhade	IV	
38.	Sujal. Lohibade	IV	
39.	Sandeep Pathak	IV	Sandeep
40.	Karan Pawar	IV	Karan
41.	Ayush Ingle	IV	Ayush
42.	Jatin Patil	IV	J Patil
43.	Sumit Kalbande	IV	Sumit



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Department of Electrical Engineering

Sr. No.	Name of Students	Semester	Signature
44	Samrat Kulkarni	IV	
45	Mohan Peticule	IV	
46	Akram P. Ansari	IV	
47	Mohit Chaudhary	IV	
48	Kabir Sardar	IV	
49	Swapnil Khobragade	IV	
50	Ayush Gedam	IV	
51	Ayush Chahande	IV	
52	Hansh Khobragade	IV	
53	Tanmay S. Rahangdale	IV	
54	Kunad K. Dhanvijay	IV	
55	Vansh M. Ambade	-II-	
56	Bhushan Dahake	-II-	
57	Anuroag S. Dumar	IV	
58	Aayush V. Sonarkar	IV	
59	Lokesh S. Mandavkar	IV	
60	Shivam N. Bangare	IV	
61	Ayush Kale	IV	
62	Abhishek Santakke	IV	
63	Somesh S. Dehake	IV	
64	Raj Lantecwar	IV	
65	Pandharinath S. Raut	IV	



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Department of Electrical Engineering

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Department of Electrical Engineering



Attendance Sheet

"Three Day Hand-on Workshop on Electrical Winding Design with MATLAB and Practical Application"

Session - 02

Date: 07/01/2025

Sr. No.	Name of Students	Semester	Signature
1.	Chaitan wanjari.	IV	
2.	Akhil pazzare.	IV	
3.	Rushikesh sonarkhan	IV	
4.	Alisha Khobragade	IV	
5.	PAWAN. N. Potdukhe	IV	
6.	sojal s. lohade	IV	
7.	OM. A. Wankhade	IV	
8.	Sahil MUJARIYA	IV	
9.	Monit chaudhari	IV	
10.	Kabir sardar	IV	
11.	Akram F. Ansari	IV	
12.	Mohan v. Petkule	IV	
13.	Tanmay s. Puharyule	IV	
14.	Vansh M. Ambade	IV	
15.	Mayur P. Wath	IV	
16.	Harsh T. Khobragade	IV	
17.	Ayush Gedam	IV	
18.	Ayush chahande	IV	
19.	Swapnil khobragade	IV	
20.	Kunal K. Dhanvijay	IV	
21.	Anurag s. Dumar	IV	

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Department of Electrical Engineering

Sr. No.	Name of Students		Semester	Signature
46)	Kaveeri Neharee		IV	<u>Kaveeri</u>
47)	Rajal Deosarkar		IV	<u>Rajal</u>
48)	Samiksha Rajurkar		IV	<u>Rajurkar</u>
49)	Bharati Thore		IV	<u>Thore</u>
50)	Tanvi Meshram		IV	<u>Meshram</u>
51)	Purna Warade		IV	<u>Warade</u>
52)	Rasika Daf		IV	<u>R.S.Daf</u>
53)	Sakshi Jogekar		IV	<u>Jogekar</u>
54)	Khushi Meshram		IV	<u>Meshram</u>
55)	Padnya Sangalkar		IV	<u>Sangalkar</u>
56)	Sharda R. Giripurje		IV	<u>Giripurje</u>
57)	Pratiksha Sule		IV	<u>Sule</u>
58)	Divya Kale		IV	<u>Kale</u>
59)	Sushma Shende		IV	<u>Shende</u>
60)	Aanya Aystwan		IV	<u>Aanya</u>
61)	Vaidhi Meshram		IV	<u>Vaidhi</u>
62)	Priya Sani		IV	<u>Sani</u>
63)	Akanksha Mohitkar		IV	<u>Mohitkar</u>
64)	Sneha Bodhe		IV	<u>Bodhe</u>
65)	Shreya Telse		IV	<u>Telse</u>
66)	Achal Kurutkar		IV	<u>Kurutkar</u>
67)	Nandini J. Sakhare		VI	<u>Sakhare</u>
68)	Toupti S. Mankar		VI	<u>Mankar</u>
69)	Rinku R. Lonare		VI	<u>Lonare</u>
70)	Monika D. Kambale		VI	<u>Kambale</u>



Department of Electrical Engineering

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Department of Electrical Engineering

Attendance Sheet

"Three Day Hand-on Workshop on Electrical Winding Design with MATLAB and Practical Application"

Session I

Date: 08/01/2025

Sr. No.	Name of Students	Semester	Signature
1]	Chetan Wanjari	IV	
2]	Ayush Pagle	IV	
3]	Rushikesh Sonarkham	IV	
4]	Akhil Puzare	IV	
5]	Saloni R. Rathod	IV	
6]	Tejaswini M. Khobe	IV	
7]	Suhani S. Fukar	IV	
8]	Bhakti Ghataure	IV	
9]	Aarya L. Raut	IV	
10]	Kaveer A. Nehare	IV	
11]	Vaibhavi M. Uplenchurkar	IV	
12]	Kajal M. Desarkar	IV	
13]	Tanushree Raghatare	IV	
14]	Diksha Rathod	IV	
15]	Sayali Patle	IV	
16]	Janvi Sonare	IV	
17]	Alisha Khobragade	IV	
18]	Khushi V. Meshram	IV	
19]	Sharda R. Gaisipanje	IV	
20]	Pradnya Sangolkar	IV	
21]	Sakshi Jogalekar	IV	



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Sr. No.	Name of Students	Semester	Signature
22)	Rasika Daj	IV	R.S.Daj
23)	Bhanti Thane	IV	Bhanti
24)	Purnima Wauade	IV	Purnima
25)	Tanvi Meshram	IV	Tanvi Meshram
26)	Samiksha Rajurkar	IV	Samiksha
27)	Vaidehi Meshram	IV	Vaidehi
28)	Priya Soui	IV	Priya
29)	Manavi S. Thak	IV	Manavi
30)	Sneha V. Bodhe	IV	Sneha
31)	Akanksha A. Mohitkar	IV	Akanksha
32)	Sushma I. Shende	IV	Sushma
33)	Pratiksha Sute	IV	Pratiksha
34)	Dinra Kale	IV	Dinra
35)	Aayush V. Sonarkar	IV	Aayush
36)	Abhishek D. Lahole	IV	Abhishek
37)	Ayush P. Kale	IV	Ayush
38)	Mohan V. Petkule	IV	Mohan
39)	Anurag S. Dumare	IV	Anurag
40)	Lokesh S. Mandavkar	IV	Lokesh
41)	Shivam N. Bangar	IV	Shivam
42)	Somesh S. Dehake	IV	Somesh
43)	Mayur P. Wath	IV	Mayur



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Sr. No.	Name of Students	Semester	Signature
44)	Raj Lanjewar	IV	
45)	Tanmay S. Rehangdole	IV	
46)	Kunal K. Dhanvijay	IV	
47)	Swapnil Khobragade	IV	
48)	Vansh Ambade	IV	
49)	Ayush Gadam	IV	
50)	Harsh Khobragade	IV	
51)	Akram Ansari	IV	
52)	Sumit Kalbande	IV	
53)	Samrat Kalbande	IV	
54)	Ajay Samap	IV	
55)	Ayush Ingle	IV	
56)	Pandharinethkar	IV	
57)	Balika Bhulbale	IV	
58)	Gulshan Borraipya	IV	
59)	Ayush Chahande	IV	
60)	Tanmay Chaitanya Aglawe	IV	
61)	Divyesh Waghade	IV	
62)	Lokesh Bawarbhale	IV	
63)	Jatin Patle	IV	
64)	Samrat Kalbande	IV	
65)	Mohit Chamelhasi	IV	



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Department of Electrical Engineering



Attendance Sheet

"Three Day Hand-on Workshop on Electrical Winding Design with MATLAB and Practical Application"

Session II

Date: 08/01/2025

Sr. No.	Name of Students	Semester	Signature
1)	Chetan Wanjari	IV	
2)	Akhil. Pazare	IV	
3)	Rushikesh. Sonasikhan	IV	
4)	Sandeep A. Rathod	IV	
5)	Rohan K. Pawar	IV	
6)	Om V. Jalil	IV	
7)	Chandan m Chaudhary	IV	
8)	Pawan. n. Potdukhe	IV	
9)	Om. A. Wankhade	IV	
10)	Sujal. Lohikade	IV	
11)	Mohit Chaudhasi	IV	
12)	Bhushan N. Dahake	IV	
13)	Samrat Kulkarni	IV	
14)	Sumit Kulkarni	IV	
15)	Lokesh Barvankhede	IV	
16)	Chaitanya Aglave	IV	
17)	Divesh Waghade	IV	
18)	Om Jalil	IV	
19)	Ajay S. Senap	IV	
20)	Bhavesh P. Soutpute	IV	
21)	Harsh Khobragade	IV	



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Sr. No.	Name of Students	Semester	Signature
22	Alexam. J. Ansari	IV	Alexam
23	Tanmay S. Rahangdale	IV	Tanmay
24	Kunal K. Dhanvijay	IV	Kunal
25	Mayur P Wath	IV	Mayur
26	Somesh S. Delhake	IV	Somesh
27	Shivam N. Bangaru	IV	Shivam
28	Aayush V. Sonarkar	IV	Aayush
29	Lokesh S. Mandavkar	IV	Lokesh
30	Anurag S. Dumare	IV	Anurag
31	Mohan V. Petkule	IV	Mohan
32	Ayush R. Chahande	IV	Ayush
33	Abhishek D. Lahole	IV	Abhishek
34	Ayush P. Kale	IV	Ayush
35	Vaidehi V. Meshram	IV	Vaidehi
36	Priya A. Soni	IV	Priya
37	Sneha V. Borhe	IV	Sneha
38	Akanksha A. Mohitkar	IV	Akanksha
39	Madavi S. Thak	IV	Madavi
40	Purnima Warade	IV	Purnima
41	Tanvi Meshram	IV	Tanvi
42	Samiksha Rajurkar	IV	Samiksha
43	Bhanti Thak	IV	Bhanti



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Sr. No.	Name of Students		Semester	Signature
44)	Rasika Day		IV	R.S. Day
45)	Divya kale		IV	Divya
46)	Pratiksha sule		IV	Pratiksha
47)	sushma shende		IV	Shende
48)	khushi V. Meshram		IV	Meshram
49)	sharda R. Giripunj		IV	Giripunj
50)	pradnya K. sangalkar		IV	Sangalkar
51)	Sakshi V. Jogalekar		IV	Jogalekar
52)	Saloni R. Rathod		IV	Rathod
53)	Vaibhavi Uplenchwar		IV	Uplenchwar
54)	Tanushree Raghatale		IV	Raghatale
55)	Diksha Rathod		IV	Rathod
56)	Kajal Deosarkar		IV	Deosarkar
57)	Kavari Nehare		IV	Nehare
58)	Tanvi Sonare		IV	Sonare
59)	Sayali Patle		IV	Patle
60)	Alisha Khobragade		IV	Alisha
61)	Suhani fukat		IV	fukat
62)	Bhakti Ghatare		IV	Ghatare
63)	Arya Raut		IV	Raut
64)	Tejaswini Khobe.		IV	Khobe



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Department of Electrical Engineering



Attendance Sheet

"Three Day Hand-on Workshop on Electrical Winding Design with MATLAB and Practical Application"

Session 1

Date: 03/01/2025

Sr. No.	Name of Students	Semester	Signature
1)	Sharda R. Giripunje	IV	<u>Sharda</u>
2)	Khushi V. Meshram	IV	<u>Khushi</u>
3)	Radika. J. Daf	IV	<u>R.S. Daf</u>
4)	Tanvi. J. Meshram	IV	<u>Tanvi</u>
5)	Samiksha. P. Rajurkar	IV	<u>Rajurkar</u>
6)	Bhargavi. R. Thare	IV	<u>Thare</u>
7)	Pradya. K. Vargolkar	IV	<u>Vargolkar</u>
8)	Tejswini. M. Khobde	IV	<u>Khobde</u>
9)	Sushma Shende	IV	<u>Shende</u>
10)	Dnyesha Kale	-	<u>Kale</u>
11)	Pratiksha Sute	-	<u>Sute</u>
12)	Akanksha. A. Mohitkar	-	<u>Mohitkar</u>
13)	Sneha. V. Bodhe	-	<u>Bodhe</u>
14)	Mansvi. S. Thak	-	<u>Thak</u>
15)	Prayer A. Soni	-	<u>Soni</u>
16)	Vaidahi V. Meshram	-	<u>Vaidahi</u>
17)	Aaya S. Ayatkar	-	<u>Ayatkar</u>
18)	Swapnil S. Khobragade	-	<u>Khobragade</u>
19)	Gulshan M. Baraiya	-	<u>Baraiya</u>
18)	Ayush R. Chahande	-	<u>Chahande</u>
19)	Kunad K. Dhantvijay	-	<u>Dhantvijay</u>



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Sr. No.	Name of Students	Semester	Signature
20	Mayur P. Wath	IV	
21	Chetan Wanjari	IV	
22	Akhil Patil	IV	
23	Rushikesh Sonarkhan	IV	
24	Bhushan Dahake	IV	
25	Harsh Khobragade	IV	
26	Shivam Bangre	IV	
27	Mohan Pettkule	IV	
28	Somesh S. Dahake	IV	
29	Lokesh S. Mandavkar	IV	
30	Ayush V. Sonarkhan	IV	
31	Akshay Dumare	IV	
32	Ayush R. Gadam	IV	
33	Mohit Chaudhari	IV	
34	Om Jalit	IV	
35	Bhavesh Sabale	IV	
36	Akram Patil	IV	
37	Lawar N. Potdukhe	IV	
38	Sandeep Rathod	IV	
39	Rohan Pawar	IV	
40	Sajal Lohibade	IV	
41	Om Wankhade	IV	



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Attendance Sheet

"Three Day Hand-on Workshop on Electrical Winding Design with MATLAB and Practical Application"

Session II

Date: 09/01/2025

Sr. No.	Name of Students	Semester	Signature
1)	Chetan Wanjari	IV	Chetan
2)	Akhil Purzore	IV	Akhil
3)	Rushikesh Sonaralekar	-II-	Rushikesh
4)	Mohit Choudhary	-II-	Mohit
5)	Somesh Dahale	-II-	Somesh
6)	Mohan Petkule	-II-	Mohan
7)	Rashika S. Daf	-II-	R.S. Daf
8)	Tanvi S. Meshram	-II-	Tanvi
9)	Samiksha P. Rajurkar	-II-	Samiksha
10)	Bharati R. Thare	-II-	Bharati
11)	Pratiksha Sute	-II-	Pratiksha
12)	Bushma Shende	-II-	Bushma
13)	Divya Kale	-II-	Divya
14)	Tejaswini Khobe	-II-	Tejaswini
15)	Saloni Rathod	-II-	Saloni
16)	Pradnya K. Sangolkar	-II-	Pradnya
17)	Khushi V. Meshram	-II-	Khushi
18)	Shazda Giripant	-II-	Shazda
19)	Tanvi Sonare	-II-	Tanvi
20)	Atisha Khobragade	-II-	Atisha
21)	Sayali Patle	-II-	Sayali



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