

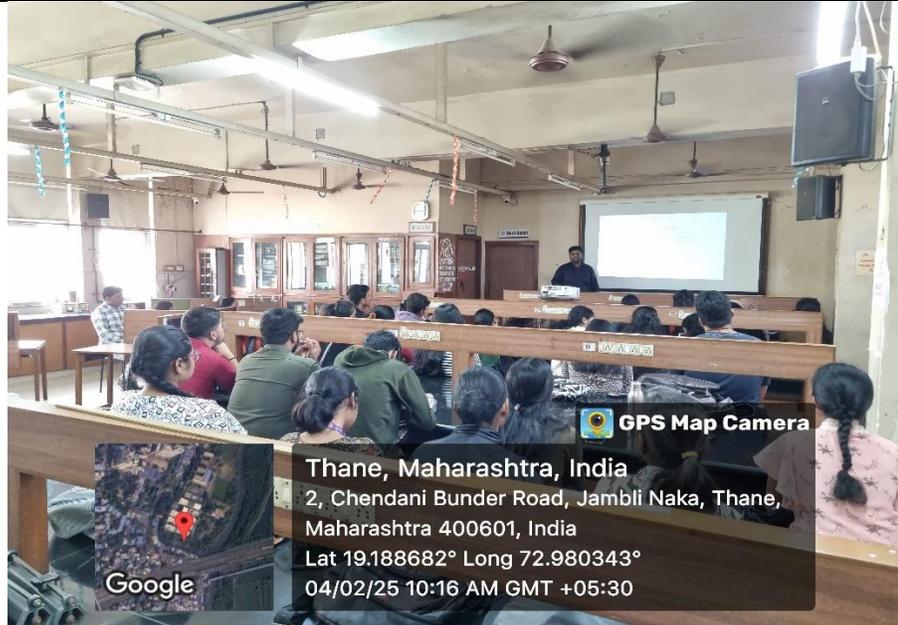
Activity Report

Name of activity	Guest lecture -Career Opportunities in AI & ML (Artificial Intelligence and Machine Learning).
Objectives of the activity (maximum 40 words)	<ol style="list-style-type: none"> 1) Explore Career Paths: Understand the diverse career options available in AI & ML, such as data scientist, AI engineer, machine learning researcher, and AI consultant. 2) Skill Development: Identify key technical skills needed for AI & ML roles, including programming languages (Python, R), machine learning algorithms, data analysis, and deep learning frameworks. 3) Industry Applications: Gain insights into how AI & ML are applied across industries such as healthcare, finance, automotive, entertainment, and more, and discover the job opportunities that arise within these sectors. 4) Stay Updated: Learn the importance of continuous learning and staying current with the rapidly evolving AI & ML landscape to remain competitive in the field. 5) Networking & Collaboration: Understand the value of collaborating with AI & ML professionals, participating in online forums, attending conferences, and building a network within the AI community. 6) Ethical Considerations: Investigate the ethical challenges in AI & ML, such as bias, privacy, and accountability, and how these issues shape career opportunities. 7) Entrepreneurial Opportunities: Recognize the potential for AI & ML to create new start-ups and entrepreneurial ventures, leading to innovative job opportunities and projects.
Organizing department/s	Physics
Collaborative institute	-
Date (DD / MM / YYYY)	04/02/2025, Tuesday
venue	Physics Laboratory- Department of Physics
Mode	Offline
Details of Resource person (name, designation, institution)	Mr. Gaurang Tawde Asst. Professor, A. P. Shah Institute of Technology, Thane
Key Participants	F. Y. BSc, S. Y. BSc and T. Y. BSc.
Remarkable outcomes/ key takes away messages (max. three)	<ol style="list-style-type: none"> 1) Increased Awareness of AI & ML Applications: 2) Practical Insights on Career Paths: 3) Understanding Ethical Considerations: 4) Emphasis on Continuous Learning:

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	<p>5) Exploration of Advanced AI Trends:</p> <p>6) Hands-on Learning Encouragement:</p>
Details of participants	A large number of students engaged and attended this session.
Total Number	<p>Total Participants- 35</p> <p>Total female – 25</p> <p>Total male -10</p>
Outsiders	
In-house Students:	Degree college:(Male-10) (Female-25)
Faculty members:	05
Additional information	<p>Mr. Tawde might have explained the basic concepts of AI (Artificial Intelligence) and ML (Machine Learning), their differences, and how they complement each other. AI refers to creating systems capable of performing tasks that would usually require human intelligence, while ML is a subset of AI focused on training systems using data.</p> <p>He could have discussed the different types of machine learning: supervised learning, unsupervised learning, semi-supervised learning, and reinforcement learning. He may have shared examples of real-world applications for each type.</p> <p>Mr. Tawde might have highlighted essential tools and frameworks used in the field of AI and ML, such as TensorFlow, Keras, PyTorch, and Google Cloud in deploying AI/ML models.</p> <p>He likely covered the practical applications of AI & ML across various industries, such as:</p> <p>Healthcare: Predicting disease outcomes, image recognition for medical imaging, and personalized medicine.</p> <p>Finance: Fraud detection, algorithmic trading, and risk management.</p> <p>Retail: Recommendation systems and customer behaviour analysis.</p> <p>Automotive: Self-driving cars and intelligent traffic systems.</p>
Name of Coordinator/ teacher in-charge:	<p>Dr. Sangita Meshram</p> <p>Mr. Nandkishor S. Sangle</p>
Two Geo tagged photos:	

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Flyer/Notice

VPM'S B.N.BANDODKAR COLLEGE OF SCIENCE (AUTONOMOUS),THANE (W)

ANUBANDH ALUMNI ASSOCIATION

Organises

GUEST LECTURE ON

Career Opportunities In - AI and ML (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

speaker- Gaurang Tawde

Date - 4th Feb 2025

Time - 10:30 am - 1:30 pm

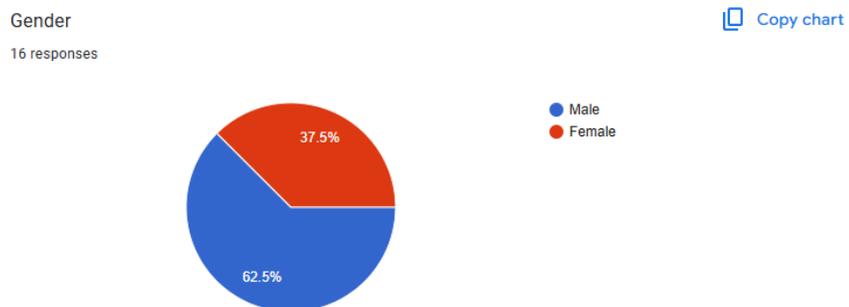
Venue - Patanjali Auditorium

REGARDS

Mrs Umalaxmi Patane
Coordinator ,Alumni Association

DR.Vinda Manjramkar
I/C PRINCIPAL

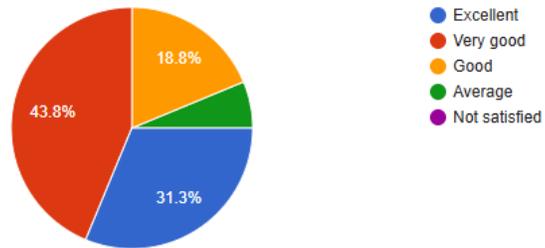
Graphical representation of feed-back:



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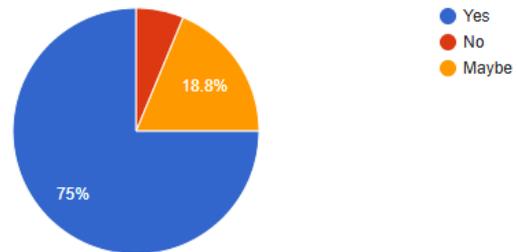
How clear was the explanation of the AI/ML concepts introduced in the lecture?

16 responses



Were the AI/ML techniques discussed in the lecture relevant to your current or future research in physics?

16 responses



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Attendance

VPM's B. N. Bandodkar College of Science (Autonomous) Thane
 Department of Physics
 Attendance "Career opportunities in AI and ML for Physics Graduate Students"

Date: - 04/02/2025

Sr. No	PRN No	Student Name	Gender	Class	Sign.
1	202442008	Vishakha Jadhav	F	FYBSC	Vishakha
2	2024420134	Sanika Jadhav	F	FYBSC	Sanika
3	2024420145	Tanvi Sopanpune	F	FYBSC	Tanvi
4	2024420140	Anuja K. Chhunam	F	FYBSC	Anuja
5	2024420121	Vrushali Khotra	F	F.Y.BSC	Vrushali
6	2024420143	Rashi Karande	F	F.Y.BSC	RASHI
7	2024420122	Achitkeshv. Lokhande	M	F.Y.BSC	Achit
8	2024420124	Neeraj Yerma	M	F.Y.BSC	Neeraj
9	2024420132	Rudra Kai	M	F.Y.BSC	Rudra
10	2024420139	Nimishika Kispalte	F	F.Y.BSC	Nimishika
11	2024420141	Bhumi Chauhan	F	F.Y.BSC	Bhumi
12	2024420104	Shreya Salvi	F	F.Y.BSC	Shreya
13	2024420020	Smruti Aste	F	F.Y.BSC	Smruti
14	2024420175	Harshad Patil	M	F.Y.BSC	Harshad
15	2024420155	Shreya Jadhav	F	F.Y.BSC	Shreya
16	2024420149	Ankita Shinde	F	F.Y.BSC (Stats)	Ankita
17	2024420158	Noopur Deshmukh	F	F.Y.BSC (Stats)	Noopur
18	2024420150	Mansi Surve	F	F.Y.BSC (Stats)	Mansi
19	2024420119	Shruti Tiwari	M	F.Y.BSC (Maths)	Shruti
20	2024420154	Rushikesh J. Kozam	M	F.Y.BSC (Stats)	Rushikesh
21	2024420120	Rohit H. Rajbhar	M	F.Y.BSC (Maths)	Rohit
22	2024420113	Om Arjun Naravare	M	F.Y.BSC (Maths)	Om
23	2023420348	Janhavi Nilesh Patil	F	SYBSC	Janhavi
24	2023420312	Anushka Sujit Mali	F	SYBSC	Anushka
25	2023420288	Radhayee Suryakant Parab	F	SYBSC	Radhayee

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VPM's B. N. Bandodkar College of Science (Autonomous) Thane
 Department of Physics
 Attendance "Career opportunities in AI and ML for Physics Graduate"

Date: - 04/02/2025

Sr. No	PRN No	Student Name	Gender	Class	Sign.
1	2023420315	Pratiksha Mase	Female	SY PC	<i>Pratiksha</i>
2	2023420300	Bhagyashree Birajolar	Female	SY PC	<i>Bhagyashree</i>
3	2023420338	Manjari Gulbar	Female	SY PM	<i>Manjari</i>
4	2023420336	Shriya V. Dharne	Female	SY PM	<i>Shriya</i>
5	2023420346	Kasturi K. Kadam	Female	SY PM	<i>Kasturi</i>
6	2023420331	Shaikh Saba Nurul Islam	F	SY PM	<i>Shaikh</i>
7	2023420326	Siddiga Rizwan A Khan	F	SY PM	<i>Siddiga</i>
8	2024420112	Akshaya Goda Bhomalingam	F	FYBSC	<i>Akshaya</i>
9	202420245	Aditya Dhanaji Phadatar	M	TYBSC	<i>Phadatar</i>
10	2023420331	VEDANT S. Wagh	M	SY BSC	<i>VEDANT</i>
11					
12	Staff	Signature			
13		Dr. Sangita S. Meshram	F		<i>Dr. Sangita</i>
14		Gaurang S. Tawde	M	Guest Lecturer	<i>Gaurang</i>
15		Dr. Ujjwala B. Gokhe	F	Asso. Prof.	<i>Dr. Ujjwala</i>
16		Dr. B. K. Mandlikar	M	Asso. Prof.	<i>Dr. B. K.</i>
17					
18		Ashish A. Koli	M	Asst. Prof.	<i>Ashish</i>
19		Mrs. Kamal Kishor S. Samle	M	Asst. Prof.	<i>Mrs. Kamal</i>
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