

AI&DS INSIGHTS



*"It's never too late to be what
you might have been."*



A I and Machine Learning
Expert Session

To read refer pg **3**.

Achievement Spotlight

We are incredibly proud to announce the remarkable achievement of our students as Mentors, showcasing exceptional dedication, hard work, and perseverance. Success transcends mere results; it embodies the consistent effort, discipline, and determination displayed throughout this journey. This accomplishment highlights the robust academic foundation and nurturing mentoring culture within our department.

Congratulations to the following students for their well-deserved recognition:

- Shruti Dwivedi
- Shivani Bhosale
- Pradyumna Shinganapurkar
- Shreyashi Kaitke
- Vedank Shinde

They were honored at PeaceQuest 2025, the flagship peace initiative of Rotary International District 3131 – Youth Service, during the Rotary Peace Conference.

As a mentor, Neha Rajas Patil, we wish you many more milestones in the future. Moments like these inspire our entire cohort to aim higher and strive for excellence.



Workshops and Events Archives

**VISHWAKARMA INSTITUTE
OF TECHNOLOGY, PUNE**

**Artificial Intelligence and Data Science
EXPERT SESSION**
On
Artificial Intelligence and Machine Learning

	TUESDAY 24/02/2026
	TIME 3:00 PM
	VENUE Room No.1002



Expert Session Coordinator
Dr. Shital Dongre
AI&DS, VIT, Pune
Prof. Sanjivani Adsul
AI&DS, VIT, Pune

Payal Doshi, MD
Prime Softech Solutions
Pvt Ltd



AI and Machine Learning Expert Session

The session on Artificial Intelligence and Machine Learning was delivered by Ms. Payal Doshi, Managing Director of Prime Softech Solutions Pvt. Ltd. The talk offered valuable insights into the rapidly evolving field of AI and ML, providing students with a clear understanding of their core concepts and significance in today's technology-driven world. Ms. Doshi highlighted the wide-ranging real-world applications of AI and ML across various industries, emphasizing how these technologies are transforming business operations and decision-making processes. The session was designed to bridge the gap between academic learning and industry requirements, enabling students to better align their knowledge with practical expectations.



She also shed light on current industry trends, practical implementation approaches, and the growing demand for skilled AI-ML professionals. Additionally, she guided students on emerging tools and technologies shaping the future of the AI domain. A key focus of the session was to create awareness about career opportunities in Artificial Intelligence and Machine Learning. Students gained clarity on the essential technical competencies as well as soft skills required to succeed in this field.

The discussion further helped them understand industry standards and job market expectations. The session proved to be both informative and inspiring, motivating students to work on practical, industry-oriented projects and equipping them with the knowledge needed to pursue successful careers in AI and ML.

Workshops and Events Archives

Industry Visit to Futops Technology Pvt. Ltd.

The AI & DS Department arranged an industry visit to Futops Technology Pvt. Ltd., aimed at giving students practical insights into the real-world applications of Artificial Intelligence, Data Science, and emerging technologies. This visit sought to bridge the gap between theoretical knowledge and industrial practices.

The day commenced with a warm welcome from the Futops Technology Pvt. Ltd. team. Students were introduced to the company's profile, vision, and areas of expertise.



Industry experts discussed various topics, including:

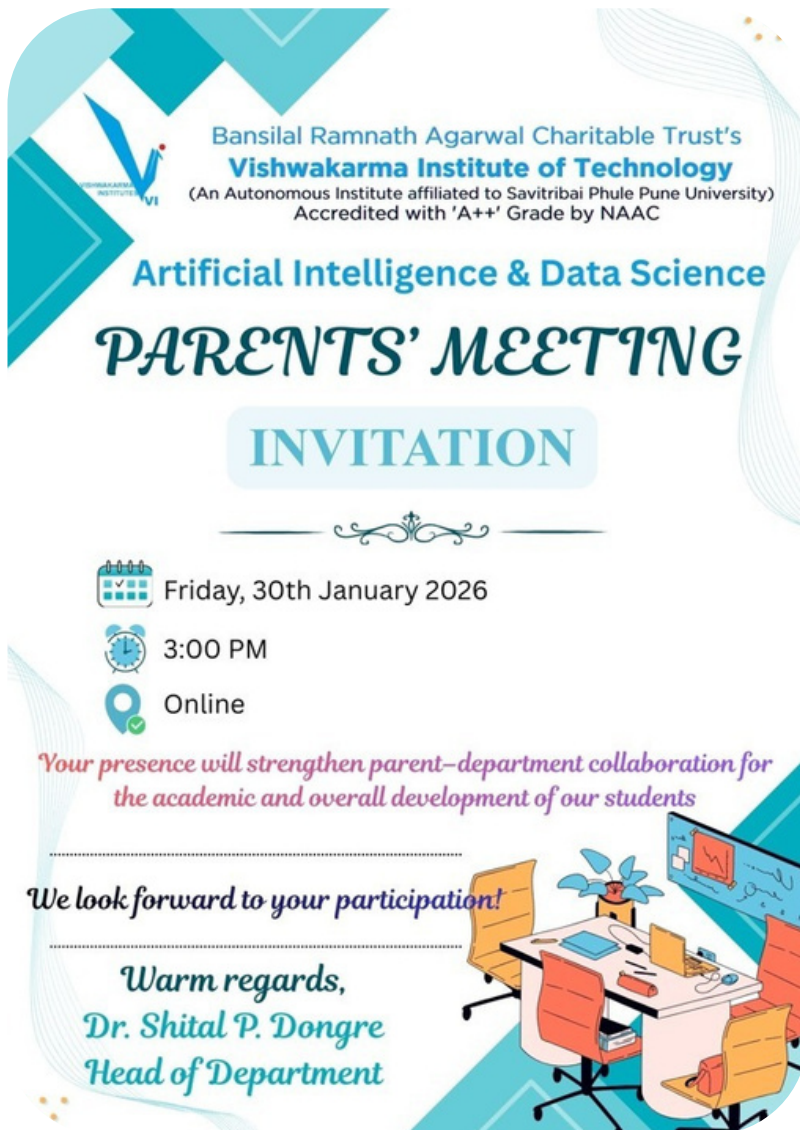
- Company projects and solutions
- Applications of AI, machine learning, data analytics, and software technologies
- Development lifecycle and project management practices
- Industry expectations for technical and professional skills

The session included live demonstrations to link academic concepts to real-world applications, followed by a Q&A where students inquired about:

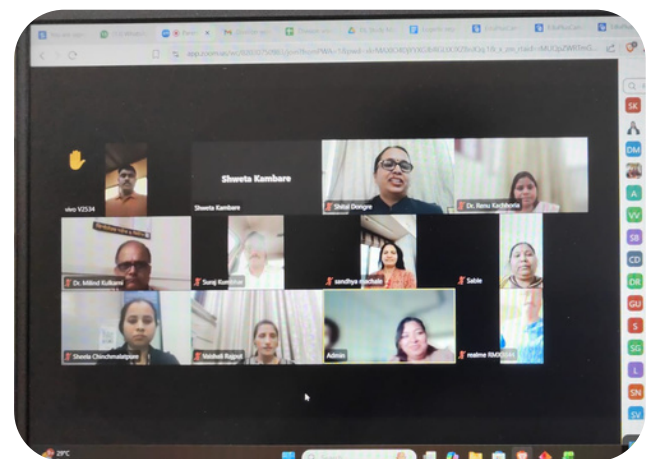
- Internships and placement opportunities
- Essential technical skills and certifications
- Career paths in AI, data science, and software development

The visit to Futops Technology Pvt. Ltd. was informative, providing students with valuable industrial exposure and enhancing their professional readiness.

Stronger Futures Through Parent–Teacher Partnership



The Department of Artificial Intelligence & Data Science at Vishwakarma Institute of Technology (NAAC A++ Accredited) successfully hosted an Online Parent–Teacher Meeting for the academic year 2025–26, reinforcing the values of collaboration, transparency, and a shared commitment to student success.



Key Highlights:

- Department vision, milestones, and student achievements
- Emerging trends in Artificial Intelligence & Data Science
- Understanding the Outcome–Based Education (OBE) framework
- Industry collaborations, internships, and skill development initiatives
- Interactive discussion and open Q&A with parents

The active engagement and valuable feedback from parents contributed significantly to the session's impact. Such meaningful interactions empower us to guide students toward academic excellence, industry readiness, and holistic development.

A heartfelt thank you to our Head of Department and dedicated faculty team for their leadership and coordinated efforts.

Moments captured during this meaningful dialogue help shape tomorrow's innovators. Together, we mentor. Together, we empower. Together, we build future-ready professionals.

Dark Net – The Hidden Layers of the Internet

In the April 2026 edition of our department e-bulletin, we delve into the Dark Net, covering its introduction, key features, types, applications.

Introduction

The Dark Net is a part of the internet that is not indexed by the standard search engines and requires special software or configurations to access. Unlike the Surface Web, which is easily accessible to everyone, the Dark Net operates on encrypted networks that ensure a high level of privacy and security. It is a subset of the Deep Web and is often associated with anonymity, allowing users to browse and communicate without revealing their identity.

While the Dark Net can be used for legitimate purposes such as protecting privacy, enabling secure communication, and supporting freedom of expression, it is also known for illegal activities like cybercrime and unauthorized trade. Therefore, the Dark Net represents both an opportunity for privacy and a challenge for security, making it an important topic in the study of modern internet technologies.

Parts of the Web

1. Surface Web

The visible part of the internet

Indexed by search engines like Google

Easily accessible using normal browsers

Example: Websites, blogs, news portals

2. Deep Web

Not indexed by search engines

Requires login or special access

Much larger than the surface web

Example: Email accounts, online banking, academic databases

3. Dark Web/Net

A small hidden part of the Deep Web

Requires special software like Tor Browser

Provides anonymity and encryption

Examples: Websites with. onion domains.



Prof. Ganesh Ubale
Assistant Professor
Artificial Intelligence and Data Science

Features of Dark Net: -

- **Anonymity:** Users can remain anonymous online, making it a haven for whistleblowers, activists, and journalists.
- **Encryption:** Darknet traffic is encrypted, ensuring that the user's identity and location remain hidden.
- **Customized Protocols:** Darknet networks often use unique customized communication protocols to maintain anonymity.
- **Volunteer Relay Network:** The Tor network is a network of volunteer relays that encrypts and routes the user's internet connection, making it appear as if the user is browsing from a different location.
- **Accessing the Darknet:** Accessing the darknet typically requires the Tor Browser, which is available for free and open-source.
- **Legal and Ethical Uses:** While the darknet can be used for illegal activities, it is also used for lawful and ethical purposes, such as protecting sensitive information and facilitating communication in repressive regimes.



Conclusion

The Dark Net represents a specialized segment of the internet infrastructure that employs advanced encryption and anonymity-preserving protocols to ensure user privacy and secure communication. While it plays a significant role in supporting confidentiality, freedom of expression, and resistance to censorship, its decentralized and unregulated nature also facilitates illicit activities and poses challenges for cybersecurity and law enforcement. Consequently, the Dark Net embodies a dual-use paradigm, necessitating a balanced approach that promotes legitimate applications while mitigating associated risks through technological and regulatory measures.

OUR TEAM



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