GUEST LECTURE REPORT

Title: Deep Neural Networks: The New Paradigm of Future

Speaker: Er. Divyansh Thakur, Assistant Professor, CSE Department, IIIT Una

Date: 12 March 2025

Time: 10:30 AM- 12:30 PM

Target Audience: Students of Pre-Final (3ʳᵈ) Year (CSE, ECE, EE)

Venue: Institute Auditorium

Introduction:

The guest lecture on "Deep Neural Networks: The New Paradigm of Future" was organized by Computer Science & Engineering department on 12 March 2025. The speaker, Er. Divyansh Thakur, is a renowned expert in the field of Artificial Intelligence and Deep Learning.

Summary of the Lecture:

The lecture began with an introduction to the basics of neural networks and their evolution over the years. The speaker explained how Deep Neural Networks (DNNs) have revolutionized the field of AI and have become the new paradigm of future.

1. The speaker discussed the various applications of DNNs, including:
2. Image recognition and computer vision
3. Natural Language Processing (NLP)
4. Speech recognition
5. Robotics and autonomous systems

The speaker also highlighted the challenges and limitations of DNNs, including:

1. Training data requirements
2. Computational complexity
3. Interpretability and explainability

The speaker concluded the lecture by emphasizing the potential of DNNs to transform various industries and aspects of life, and encouraged the students to explore this exciting field.

Key Takeaways:

1. DNNs have revolutionized the field of AI and have become the new paradigm of future.
2. DNNs have various applications, including image recognition, NLP, speech recognition, and robotics.
3. DNNs have challenges and limitations, including training data requirements, computational complexity, and interpretability.
4. DNNs have the potential to transform various industries and aspects of life.

Recommendations:

1. The students should explore the field of DNNs and its applications.
2. The institution should provide more resources and support for research and development in DNNs.
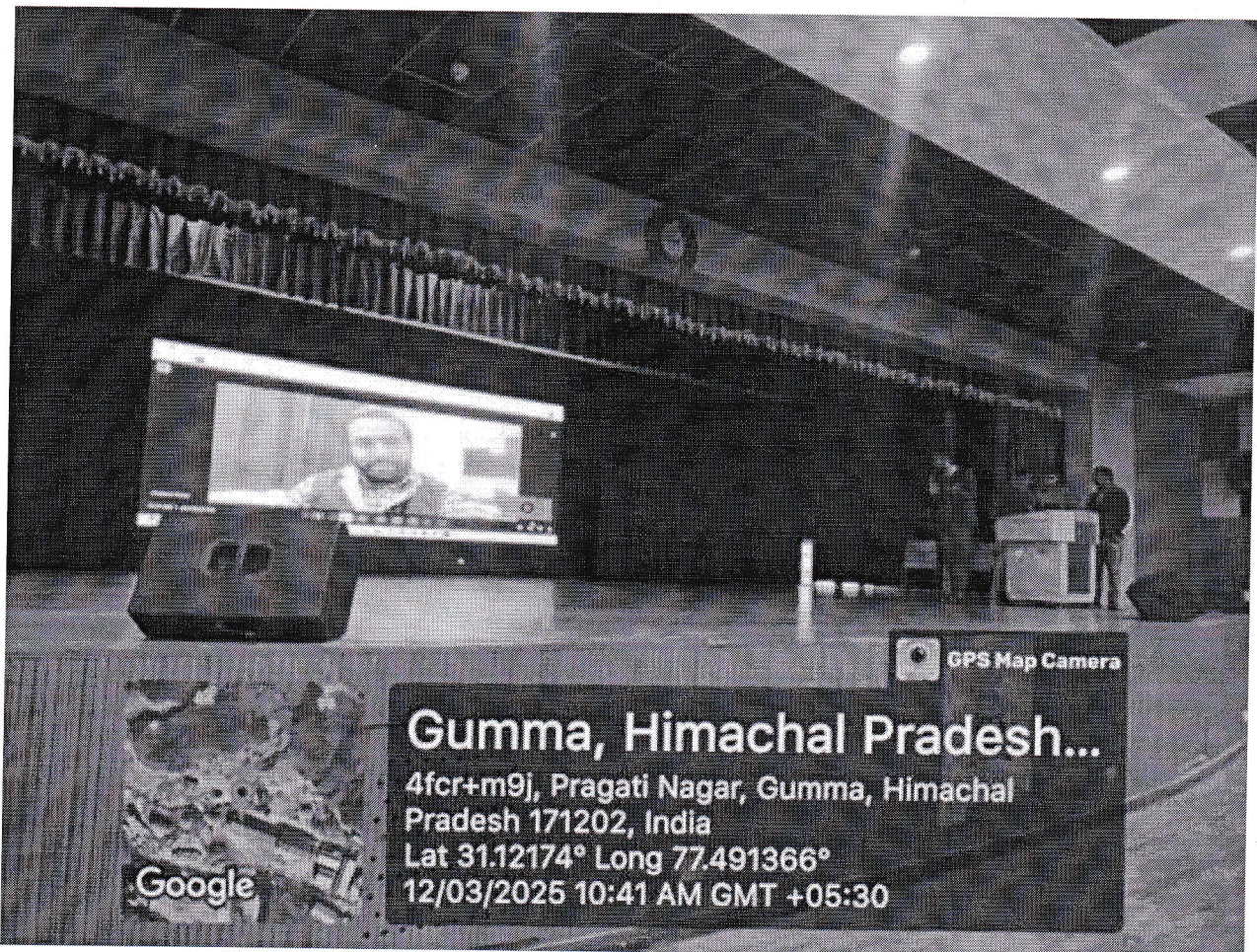3. The speaker should be invited again to deliver more lectures on advanced topics in DNNs.
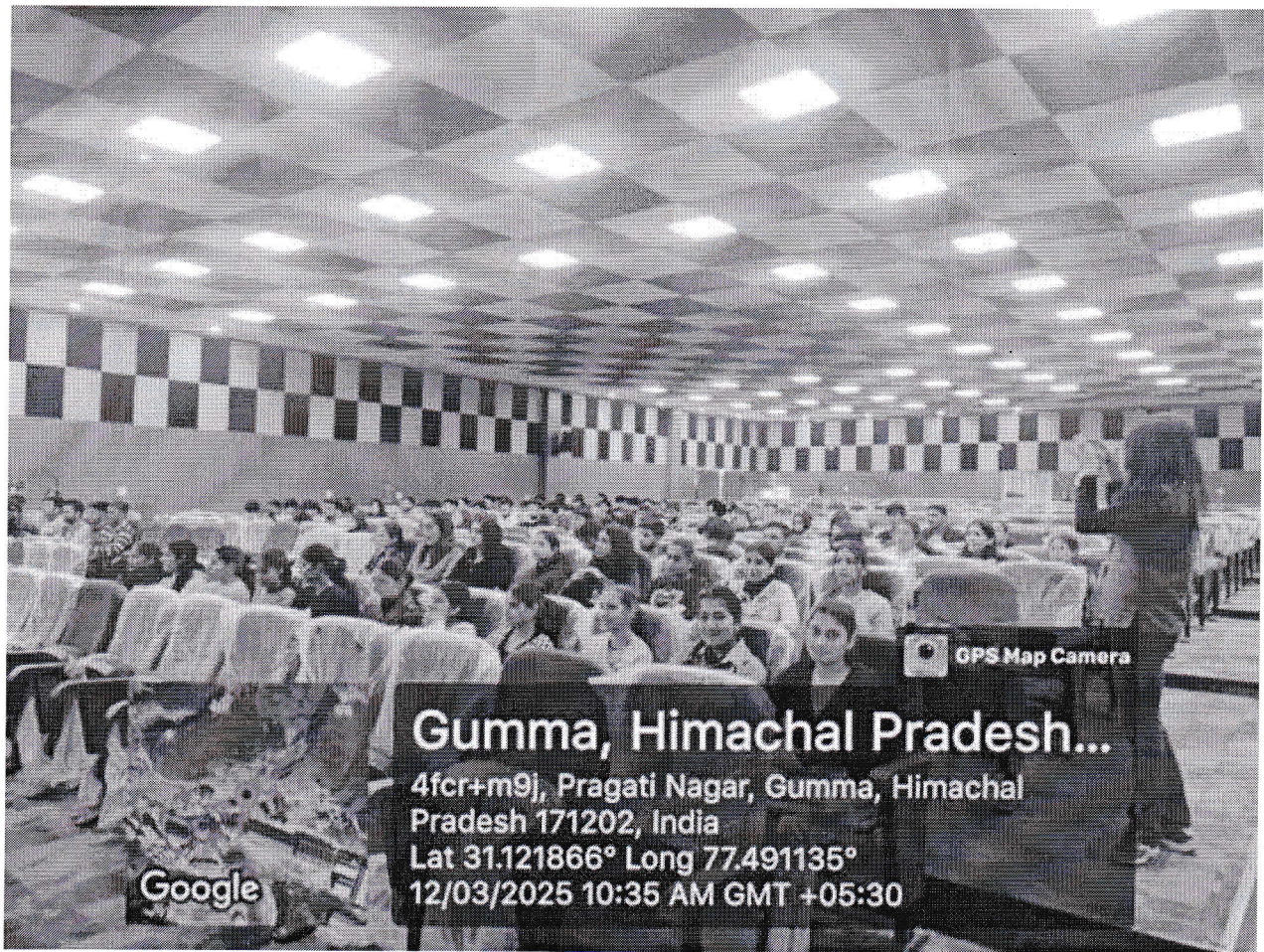
Conclusion:

The guest lecture on "Deep Neural Networks: The New Paradigm of Future" was highly informative and insightful. The speaker's expertise and passion for the subject were evident throughout the lecture. The students benefited greatly from the lecture and were inspired to explore the exciting field of DNNs.

Feedback:

The feedback from the students and faculty members was overwhelmingly positive, with many praising the speaker's clarity, enthusiasm, and expertise.

Photos:

GPS Map Camera

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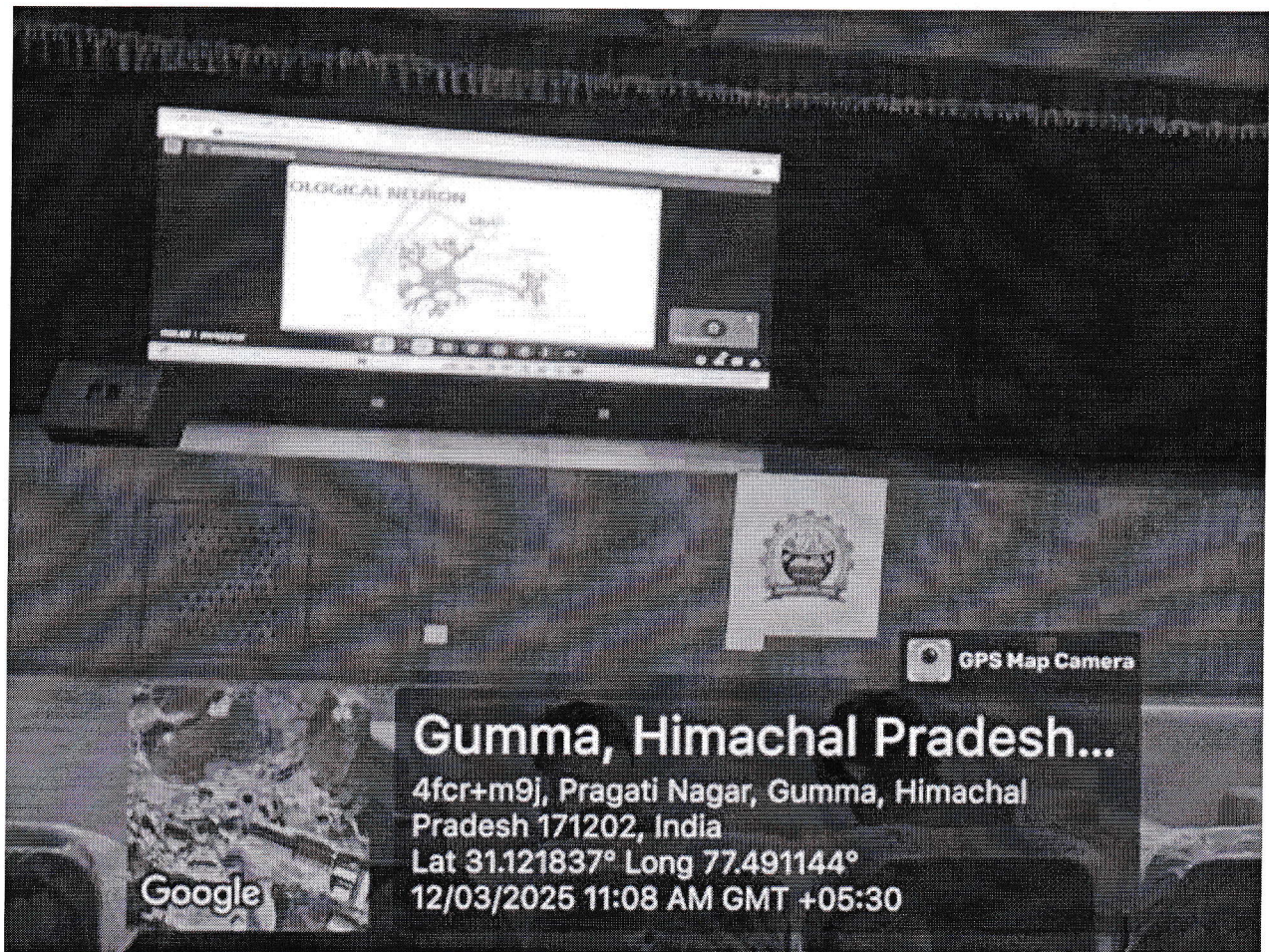4fcr+m9j, Pragati Nagar, Gumma, Himachal Pradesh 171202, India
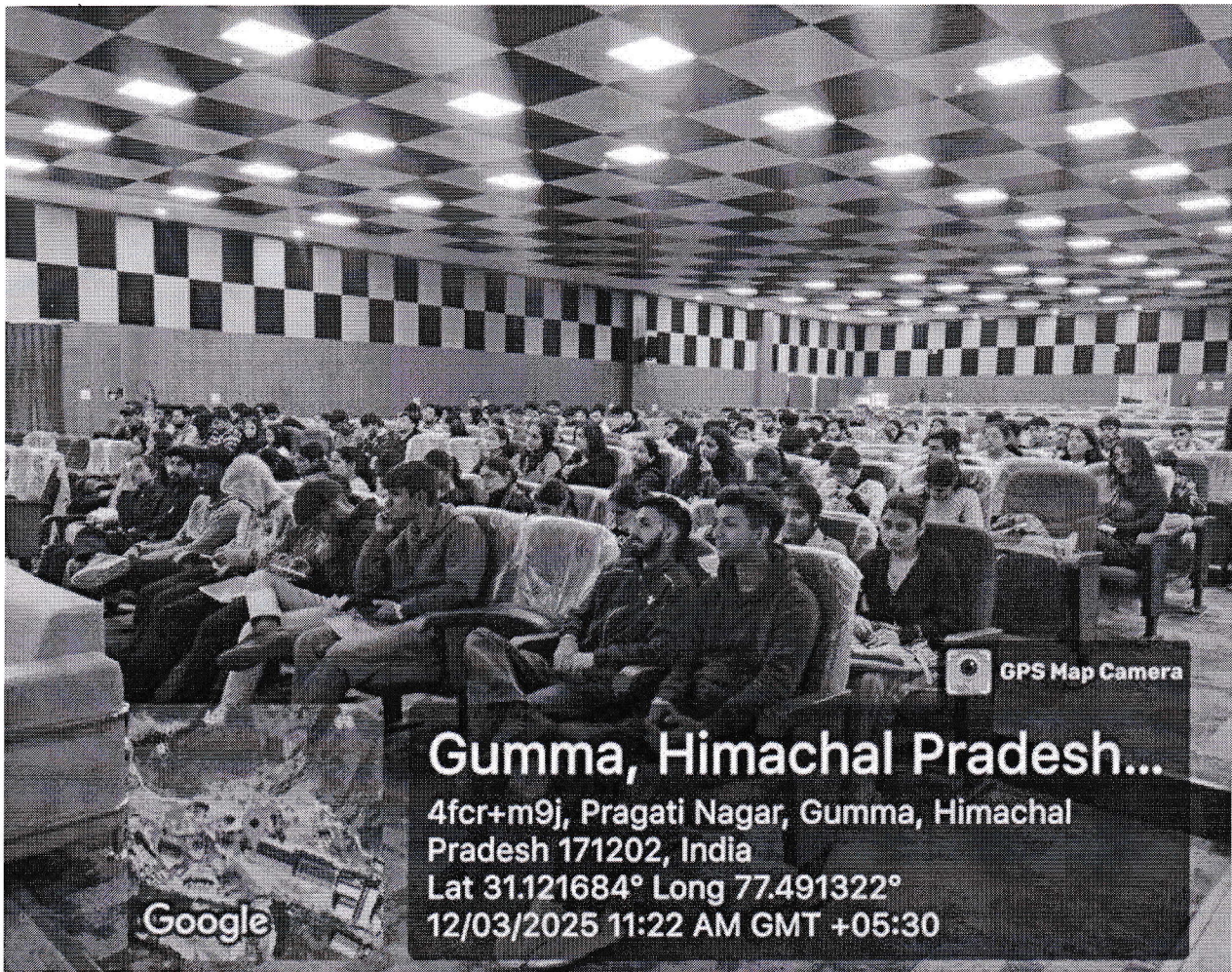Lat 31.121866° Long 77.491135°
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Acknowledgement:

We would like to extend our sincere gratitude to Prof. (Dr.) Umesh C. Rathore, Director, ABVGIET for giving an opportunity to conduct this expert lecture and to Er. Divyansh Thakur for his valuable time and insights. We also appreciate the active participation of all attendees and the Alumni Coordinators of all three branches for their efforts in organizing the event.

Report submitted by:

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ABVGIET Pragatinagar, Shimla

12 March 2025