



Newsletter Highlights

Seminar


Workshop

Aryabhatta

Department of Computer
Science and Engineering



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Jul.-Sept. 2024

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NEWSLETTER

From Chief Editor's Desk



Dr. Navin Prakash
HOD, CSE

Envisioning the Future of Artificial Intelligence

Here's an introduction for an advertisement on Explainable AI that sets the stage for the benefits and importance of the technology. In today's rapidly evolving digital landscape, artificial intelligence is reshaping industries, enhancing decision-making, and driving innovation. However, as AI systems become increasingly complex, understanding how these systems arrive at their conclusions is more crucial than ever.

Explainable AI: By embracing Explainable AI, you can foster trust with your users, ensure compliance with emerging regulations, and enhance your overall decision-making processes. In an era where accountability and ethics in AI are paramount, AI stands at the forefront, bridging the gap between sophisticated technology and human understanding.

Machine Learning Interpretability: Utilize techniques like SHAP (SHapley Additive exPlanations) and LIME (Local Interpretable Model-agnostic Explanations) to provide clear, understandable explanations for individual predictions, allowing stakeholders to see which features influenced a decision.

Natural Language Processing (NLP): In an increasingly connected world, the ability to understand and interact with language is crucial. Natural Language Processing (NLP) harnesses the power of AI to enable machines to comprehend, interpret, and generate human language, revolutionizing how communicate and do business.

Generative Adversarial Networks (GANs): These are a class of machine learning frameworks designed to generate new data that resembles an existing dataset. Generator: This network creates new data samples from random noise. Its goal is to produce data that is indistinguishable from real data.

Discriminator: This network evaluates the authenticity of the generated data by distinguishing between real data (from the training set) and fake data (produced by the generator). Its objective is to correctly identify whether the input data is real or generated.

The Computer Science & Engineering Department, accredited by the National Board of Accreditation (NBA), has been offering a B.Tech. course in Computer Science Engineering since 2005. The department is dedicated to achieving excellence among Indian colleges in its field, which is reflected in its state-of-the-art facilities and the commitment of its faculty members. The success of graduates in securing prominent positions in leading organizations highlights the quality of education provided.

Beyond technical education, the department aims to nurture leadership qualities in students, encouraging them to become job creators and entrepreneurs. This holistic approach not only supports individual growth but also drives economic development and innovation. Maintaining a positive and innovative learning environment, staying updated with industry trends, and providing value-added courses are essential components in preparing students for the ever-evolving field of Computer Science and Engineering. By continuing this dedication to excellence, the department will uphold its reputation and produce distinguished graduates in the future.

Dr. Navin Prakash
Professor
Chief Editor & HOD Dept. of CSE

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SEMINAR

"CYBER SECURITY"

The Department of Computer Science and Engineering at IIMT College of Engineering, Greater Noida, hosted an insightful Seminar on "Cyber Security" on September 30, 2024. The event focused on the current challenges and trends in the realm of cyber security. The keynote speaker for the event was Prof. Triveni Singh, Ex-IPS, and an eminent figure in the field of cybercrime investigation and security. Prof. Singh, with his vast experience as a cyber security expert and law enforcement professional, delivered an insightful and engaging session. He shared valuable insights into the skills and knowledge required in the industry. Mr. Deepesh Kumar, Assistant Professor coordinated the event, ensuring a productive exchange of ideas and experiences between the alumni and students.



Prof. Triveni Singh delivering the session



Attendees during the session

WORKSHOP

“VULNERABILITY ASSESSMENT & PENETRATION TESTING”

The Department of Computer Science and Engineering at IIMT College of Engineering, Greater Noida, organized an Industrial visit to " Vulnerability Assessment & Penetration Testing " a prominent app development company on September 30, 2024. The workshop was conducted by Mr. Naveen Singh, a renowned cyber security expert, known for his hands-on experience in the field of ethical hacking and network security. The primary objective of the workshop was to provide students with a comprehensive understanding of VAPT, focusing on identifying, analyzing, and mitigating potential security threats in computer systems and networks. The workshop aimed to equip participants with practical skills to assess vulnerabilities and effectively carry out penetration testing.

IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —

Department of Computer Science and Engineering

workshop on

**VULNERABILITY ASSESSMENT
& PENETRATION TESTING**

MR. NAVEEN SINGH
Cyber Expert,
Forensic Care Technologies

Venue- DFIR LAB
DATE- 30th Sept. 2024 | TIME-12:00 PM Onwards

FACULTY COORDINATOR
Mr. Gaurav Kumar
Assistant Professor, CSE

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Mr. Naveen Singh delivering the session



Attendees during the session

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Department of Computer Science & Engineering



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