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BANSAL (422)

Institute of Engineering & Technology, Lucknow
Affiliated to AKTU Lucknow, Approved By AICTE, Ministry of HRD, New Delhi

**A
REPORT
OF
EXPERT LECTURE
ON
“ARTIFICIAL INTELLIGENCE
TRANSFORMING INDUSTRIES WITH
INTELLIGENT APPLICATION”**

Organized By

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**



On

18th May 2024

Department of Electronics & Communication Engineering

Lecture On

“Artificial Intelligence Transforming Industries with Intelligent Application”

18th May 2024

The Department of Electronics & Communication Engineering of Bansal Institute of Engineering & Technology has organized a Expert Lecture on Artificial Intelligence Transforming Industries With Intelligent Application “by the Expert Mr. Rohit Pahwa under the aegis of Institution’s Innovation Council. The expert lecture was in two sessions .First session was conducted for the ECE, CSE-AI & CSE-AI&ML students of the Department 10 AM to 12:45 PM and the second session was conducted for the student of CSE department at 1:45 PM to 4:30 PM at 18/05/2024 in the seminar hall of the college premises. All students of EC & AI-ML department and 7 faculty members of the have actively attend this lecture. The lecture was very informative, wonderful and overwhelming.

OBJECTIVE OF THE LECTURE

The main objectives of organizing the LECTURE on:

- To develop the knowledge of students about Artificial Intelligent Transforming industries with intelligence application
- To develop the critical & creative thinking skills of students.
- To develop the Practical skills & knowledge of students about Artificial intelligence.

Expert Profile: -

Mr. Rohit Pahwa data scientist, data analytics and Python data scientist DUCAT INDIA has a distinguished professional career of more than twenty years in several reputed Organizations including Kirloskar and Universal Technical System. He is currently a Visiting Data Scientist in DUCAT INDIA. He is a trainer & coach par excellence and he has trained and coached thousands of finance professionals & management students with great success & satisfaction. He is a passionate data scientist and he believes in delivering with impact.

Session Summary:-

The lecture on "Artificial Intelligence Transforming Industries With Intelligent Application" conducted by Mr. Rohit Pahwa was an insightful session aimed at exploring the realm of intelligence application as viable career avenues. Artificial Intelligence (AI) is indeed.

1. **Understanding Artificial Intelligence:** Mr. Rohit Pahwa initiated the lecture by AI is being used for diagnosis, personalized treatment plans, and predictive analytics. Machine learning algorithms can analyze medical images, such as X-rays and MRIs, to detect diseases like cancer earlier and more accurately than humans..
2. **Identifying Opportunities:** In finance, AI is transforming operations through algorithmic trading, fraud detection, and risk management. Machine learning models analyze vast amounts of financial data to identify patterns and anomalies, helping institutions make better investment decisions and

mitigate.

3. **Challenges and Strategies:** AI is enhancing the retail experience through personalized recommendations, inventory management, and customer service automation. Recommendation engines use machine learning algorithms to analyze customer preferences and behaviors, offering tailored product suggestions.
4. **Manufacturing:** AI is optimizing manufacturing processes by enabling predictive maintenance, quality control, and supply chain optimization. Machine learning algorithms analyze sensor data to predict equipment failures before they occur, minimizing downtime and maintenance costs.
5. **Resource Utilization:** Mr. Rohit Pahwa the effective utilization of available resources, including technology, networking, and mentorship. Practical advice on building a supportive network and leveraging available tools and platforms was provided.
6. **Interactive Activities:** The session was interspersed with interactive activities, case studies, and group discussions. These activities engaged participants actively and facilitated a deeper understanding of the lecture's key concepts.

After the session, Expert has conducted an open interactive session with the students, where students have asked their personal queries regarding Artificial Intelligent applications directly. Mr. Rohit Pahwa has provided them the correct solutions for all their queries based on their educational and professional choices.

The Expert Lecture was concluded with a valedictory session by the Mr. Ankur Shukla, HOD (ECE Department) by thanking to Mr. Rohit Pahwa, students and all those who contributed to the organizing and success of the lecture. The invited Expert has also appreciated the Department of Electronics & Communication, B.I.E.T. Lucknow for organizing such a lecture for the students of the department and thanked for giving her the opportunity to deliver his knowledge to the students during the lecture. The students have also deeply appreciated the lecture.

KEY OUTCOMES OF THE LECTURE

The students have clearly understood the concept and importance of Artificial Intelligence and its application as a career opportunity in the current scenario. AI enables automation of tasks that were previously manual, leading to increased efficiency and reduced operational costs across various industries & also used for fraud detection, risk assessment, algorithmic trading, and customer service automation in the financial sector.

Discussions might have touched upon the ethical considerations of AI, including bias in algorithms, job displacement, and privacy concerns.

Here are some glimpses of Expert Lecture organized by the Electronics & Communication, B.I.E.T. Lucknow for the students.

EVENT BANNER



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Department of Electronics & Communication Engineering

**IS ORGANIZING
EXPERT LECTURE ON**

ARTIFICIAL INTELLIGENCE Transforming Industries with Intelligent Application



Mr. Pawan Kumar Saini
Organizing Secretary
Assistant Professor, ECE
BIET, Lucknow



Mr. Ankur Shukla
HOD ECE
BIET, Lucknow



Mr. Rohit Pahwa
DATA SCIENTIST | DATA ANALYTICS | PYTHON
DATA SCIENTIST-DUCAT INDIA

Date : 18 May 2024

Time: 10 AM



