



**DR. AKHILESH DAS GUPTA INSTITUTE
OF PROFESSIONAL STUDIES**



NEWS LETTER 2023-2024

**AI&DS
INSIGHT
2023-2024
(PART II)**

***Department of Artificial Intelligence &
Data Science***



Message from Head of Department



Prof. (Dr.) Archana Kumar

Dear Readers,

Welcome to the AI&DS Newsletter- Insight. It is indeed a great honour to launch the fourth biannual edition of the Newsletter enumerating the various activities and achievements of our faculty and students. The department aims to produce competent AI and Data Science professionals to serve the needs of the society. The department offers excellent academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work in them. I can say this with full confidence that the ADGITM would provide every student a much-expected opportunity of boundless growth through an integrated structure of curricular, co-curricular and extracurricular activities. We wish to bring out the best in our students and prepare them to become competent enough to meet the challenges of the world. I am proud to be a part of an institution that believes in putting the education of the students beyond everything.

VISION

To enable the modern society with skilled engineers in the field of AI and Data Science, thereby bringing transparency and effectiveness in decision making for the overall welfare of mankind.

MISSION

M1. To produce competent AI and Data Science professionals to serve the needs of the society.

M2. To prepare industry ready engineers, trained in modern tools and techniques of AI and Data Science.

M3. To foster innovative research work in the area of AI and Data Science and allied areas, leading to quality decision making.



(PEO)

PEO1: Graduates shall thrive in the field of Artificial Intelligence & Data Science by utilizing their gained knowledge and abilities to build practical and viable engineering solutions.

PEO 2: Graduates shall be adaptable to new technologies and advances in order to achieve professional excellence.

PEO 3: Graduates shall be able to effectively manage resources and pursue their careers with integrity, ethics, and social responsibility.

Industrial Visit at CETPA Infotech, Noida

Date of event: 7th Feb, 2024



Objective was to enrich students with understanding of Full Stack Development, provide them with valuable insights into industry practices, and equip them with the knowledge and skills necessary to thrive in the field. The industrial visit provides a comprehensive learning experience, offering students a deep dive into the world of full stack development. It equips them with practical knowledge, industry insights, and the professional skills necessary to excel in their careers.

Data Science and Applications Workshop

Date of event: 13th Feb, 2024



**Delegates (Speakers): Mr. Nitish Ranjan
(Wipro Certified Faculty)**

The workshop commenced with an introductory session that outlined the fundamental concepts of data science, including data collection, preprocessing, analysis, and interpretation. Participants gained insights into the interdisciplinary nature of data science and its significance in today's data-driven world.

Seminar on Machine Learning

Date of event: 19th Feb, 2024

The seminar comprised several sessions, each focusing on specific aspects of machine learning. The topics covered included:

- Introduction to Machine Learning algorithms and methodologies
- Supervised, unsupervised, and reinforcement learning techniques
- Deep learning and neural network architectures
- Applications of Machine Learning in various domains such as healthcare, finance, and autonomous systems



**Prof. (Dr.) Nanhey Singh, Professor,
Netaji Subhash University of Technology, Delhi**

Industrial Visit at UnCodemy, Noida

Date of event: 1st March, 2024



Objective:

The primary objective of the industrial visit cum workshop on Artificial Intelligence (AI) and Data Science was to provide participants with practical insights into the applications of AI and data science in various industries. The event aimed to bridge the gap between theoretical knowledge and real-world implementations by exposing participants to industrial setups where AI and data science are actively utilized.

Code Breaker Challenge

Date of Event: 13th March, 2024



The code breaker event was a huge success. The attendees had a great time working together to solve the challenges and bond with each other. The event was not only fun, but it also helped to improve the problem-solving and teamwork skills of the attendees. The feedback received from the attendees was overwhelmingly positive, with many of them expressing their desire to attend similar events in the future. The team "Code_Companion" AI&DS(Sec:M) scored the 1st position and declared as winner. The winner is rewarded with Rs. 500. And other teams are rewarded by a coupon of 15% off on the meal from SUB91 for their determination towards the learning

GENERATIVE AI @UTKARSH'24

Date of Event: 15th March 2024



The GEN AI event was a fun and exciting event that was organized by Datazoic. The aim of the event was to provide an opportunity for attendees to have fun, bond with each other, exercise their creative skills & as well as to boost their knowledge about AI tools. Harshit from AIML (1st Year) was declared as winner. The winner is rewarded with Rs. 200. And other teams are rewarded by acoupon of 15% off on the meal from SUB91 for their determination towards the learning.

Stumble Guys@Utkarsh'2024

Date of Event: 14th March 2024



In the Stumble Guys Challenge event, 21 players participated. Registered players had to report to room 2214 at 11:00 AM, where they compete against each other. The player has to win the game which was picked by organizers and cross the three levels.

Level 1 – Play in: All players were randomly divided into two or more groups. Top selected players had move to qualifier level.

Level 2 – Qualifier: Top five selected players will move to the final level.

Level 3 – Knockout: Selected five players will compete to win first prize. Disqualification of the player was done on the basis of their performance.

Winners:

1st prize: Devaansh Agrawal [NSUT, IT (2nd Year)]

2nd prize: Lakshita Soni [ADGIPS, CSE (1st Year)]

3rd prize: Shivam [ADGIPS, IT (1st Year)]

Anime IQ Clash@Utkarsh'24

Date of Event: 14th March 2024



The Anime IQ Clash event was a huge success. The attendees had a great time working together to solve the challenges and bond with each other. The event was not only fun, but it also helped to improve the teamwork skills of the attendees. The feedback received from the attendees was overwhelmingly positive, with many of them expressing their desire to attend similar events in the future. The team "Aincrad" CST (Sec: O) secured 1st position and declared as winner. The winner is rewarded with an anime related merchandise And other teams are rewarded by a coupon of 15% off on the meal from SUB91 for their determination towards winning

“Utkarsh-2024”

Technical Projects Exhibition

Date of Event 15th March, 2024

Sr. No.	Project Name	Students Name	Year
1	FemineSync-Break The Taboo	Hardik Sharma Ansh Varshney Sahil Gupta	3rd year
2	Canvas AI-Draw with Hand Gestures	Nandini Singh Jatin Singh	3rd year
3	Driver Drowsiness Detection System	Subham Singla Anurag Kumar Jha Ayushmaan Kamboj	3rd year
4	Inventory Management And Performance Automation Control Tool (IMPACT)	Mayank Garg Jyoti Rana	1st year 2nd year

“Utkarsh-2024”

Technical Projects Exhibition

Date of Event 15th March, 2024



One Day Workshop on

“Research Methodology: Effective Technical Writing”

Date of Event : 22nd April, 2024



**Keynote Speaker: Dr. Rajender Kumar, Associate Professor,
Department of ECE, Faculty of Engineering
BPS Mahilla Vishwavidyalaya Khanpur, Sonipat, Haryana**

The objective of the workshop aimed to cover essential skills and knowledge required for conducting effective research and communicating it proficiently through technical writing. The workshop aimed to bridge the gap between theoretical knowledge and practical application, offering attendees hands-on experience and valuable insights from experienced professionals in the field. a broad spectrum of topics related to machine learning, including its theoretical foundations, practical applications, and emerging trendsd a little bit of body text

Industrial Visit for Awareness Program on IDEA Lab

Venue: DCRUST, Murthal, Sonapat

Date: 26th April, 2024



Objective of Industrial Visit @ DCRUST, Murthal:

- Enhance awareness: Familiarize students with the purpose, capabilities, and resources available at the AICTE-IDEA Lab.
- Inspire future endeavors: Showcase the potential applications of AI and DS in various domains, igniting interest in research and innovation.
- Foster collaboration: Bridge the gap between academia and industry, encouraging potential partnerships for future projects and internships.

Faculty Development Program

“Network Science Using Python”

13.05.2024 to 17.05.2024



DR. AKHILESH DAS GUPTA
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Department of Artificial Intelligence and Data Science
In Association with
Computer Science & Engineering Department, NITTTR Chandigarh
National Institute of Technical Teachers Training & Research, Chandigarh
(Ministry of Education, Government of India)
राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान, चंडीगढ़
(शिक्षा, संज्ञान, भावन, सरकार)

Organizes
One Week Faculty Development Program on
“Network Science using Python”
from 13.05.2024 to 17.05.2024
#Shaping Generations

Convener :
Prof. (Dr.) Archana Kumar
Head of Department

Local Co-Ordinator :
Mr. Ritesh Kumar
Assistant Professor

Objectives:

The Faculty Development Program (FDP) aimed to:

- Introduce participants to the fundamental concepts of graph theory and network science.
- Equip participants with practical skills in using Python libraries for network analysis and visualization.
- Explore advanced topics such as social network analysis, influence maximization, and graph machine learning.
- Provide hands-on experience with tools like NetworkX, iGraph, and Gephi for network analysis and visualization.

Faculty Achievements

The faculty performance and achievement list for the academic session 2023-2024 (Even Semester).

Prof. (Dr.) Archana Kumar

- 2 Research Papers
- 2 Patents
- 8 FDPs
- NPTEL Certification on Business Intelligence & Analytics

Mr. Ritesh Kumar

- 8 FDPs
- Local Co-Ordinator for FDP on “ Network Science Using Python”

Ms. Meenu

- NEPTEL-SWAYAM Certification in Cloud Computing
- 7 FDPs

Mr. Vijendra Singh Rawat

- 4 FDPs

Editorial Board



Prof. (Dr.) Archana Kumar
(Faculty Incharge)



Ms. Meenu Sharma
(Faculty Co-Incharge)