



DR. AKHILESH DAS GUPTA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Department of Artificial Intelligence & Data Science

Report on Industrial Visit at Network Bulls, Gurugram

Dated: 29/09/2023

Date of Event: September 27, 2023(10:00AM-02:00PM)

Venue: NETWORK BULLS, Sector 14 Gurugram.

Objectives: Students went through in-depth learning of Cisco Networking and how networks work in the real industry by Cisco-certified trainer.

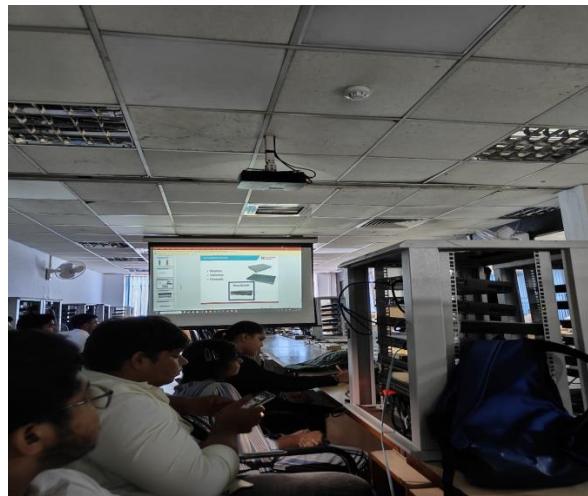
Key Takeaways:

- Basics of Networking.
- Scope of Networking.
- VPN by giving daily examples.
- Different device details like routers, switches, hubs etc.
- Different networks like LAN, WAN
- About Firewalls, proxies
- OSI model of networking
- Adding IP address
- Creating Password.

Outcomes: 63 students participated

Beneficiaries: AI& DS 2nd year students, ADGITM

Photographs of Industrial Visit attached





DR. AKHILESH DAS GUPTA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Department of Artificial Intelligence and Data Science

Report on SQL workshop

Date of event: 15th September 2023 (11:30 AM - 2:00 PM)

Venue : Room no. 2211, Dr. Akhilesh Das Gupta Institute of Technology and Management

Attendees: More than 60 participants & 4 volunteers

Coordinator: Mayank Bhardwaj (3rd Year, AI&DS Department)

Objective: The primary objective of the workshop was to impart foundational knowledge of SQL (Structured Query Language) to the participants and provide a hands-on learning experience with real-world databases.

Activities Done:

The workshop was divided into two main segments:

1. ***Educational Session:*** The first part of the workshop was an educational session where the fundamentals of SQL were taught. Topics covered included SQL syntax, querying techniques, data manipulation, and best practices.
2. ***Hands-on Competition:*** In the second part, students were provided with a real "world" database and asked to solve a series of questions designed to test their understanding of SQL commands. This real-world simulation allowed students to apply their newly acquired skills in a practical setting, thereby solidifying their understanding and boosting their confidence.

Outcome: The workshop was a resounding success, and students benefited significantly from the hands-on SQL training and educational sessions.

Beneficiaries: ADGITM Students

Competition Winner: Lokesh kumar (2nd year , AI&DS Department)

Photographs of Event:





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Department of Artificial Intelligence and Data Science

Report on Perfection in Prompting: Mastering ChatGPT!

Date of event: 12th October 2023 (11:30 AM - 12:30 PM)

Venue: Room no. 2202, Dr. Akhilesh Das Gupta Institute of Technology and Management

Attendees: More than 50 participants & 3 volunteers

Coordinator: Nandini Singh (3rd Year, AI&DS Department)

Objective: The main goal of this session was to instruct participants on effectively utilizing ChatGPT, emphasizing prompt engineering and elucidating its significance as a crucial skill in contemporary contexts.

Activities Done:

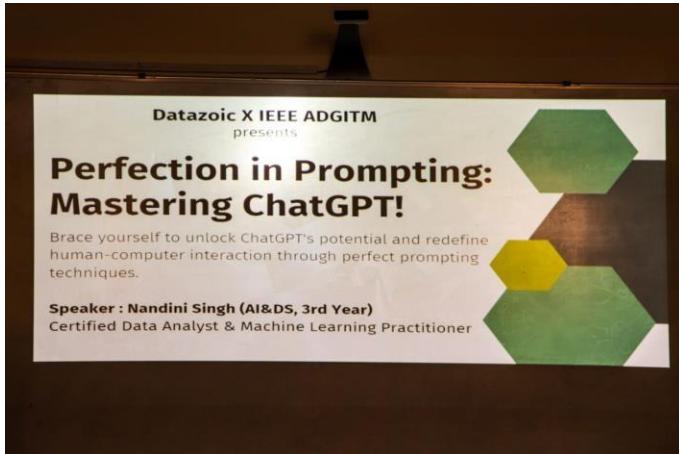
The workshop was divided into two main segments:

1. ***Educational Session:*** The initial segment of the workshop comprised an instructional session, focusing on imparting fundamental knowledge about prompt engineering. This included discussions on prompt structures, root prompts, various prompt types, and an emphasis on the importance of prompt engineering.
2. ***Hands-on Competition:*** During the latter segment, students engaged in a quiz featuring a set of questions meticulously crafted to assess their comprehension of prompt engineering. This enabled them to put their recently acquired skills into practice, reinforcing their grasp of the concepts and enhancing their confidence.
3. ***Outcome:*** The workshop proved to be highly successful, and students gained substantial benefits from the emerging field of prompt engineering through the educational session.

4. **Beneficiaries:** ADGITM Students

Competition Winner: Vaishali Premani (2nd year, AI&ML Department)

Photographs of Event:





DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT

Department of Artificial Intelligence and Data Science

**Projects displayed during AI TechnoUtsav 1.0 in collaboration
with IEEE ADGITM at Technorax v9.0.**

S.No.	Project Name	Student Name	Year	Date (Presented)
1	Sign Language Recognition	Nandini Singh	Third	12.10.23
2	Movie Review Sentiment Analysis	Mayank Bhardwaj	Third	12.10.23
3	Advance Attendance System using OpenCV	Hardik Sharma Sahil Gupta Ansh Varshney	Third	12.10.23
4	Machine Learning Approaches For Real Estate Price Prediction	Siddharth Upadhyay Jyoti Rana	Second	13.10.23
5	Virtual Exploration and Guidance Assistance(VEGA)	Mayank Garg	First	13.10.23





DR. AKHILESH DAS GUPTA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Department of Artificial Intelligence and Data Science

Report on CSS WAR 3

Dated: 13/10/2023

Date of Event: 13th October 2023 (11:00 AM - 12:00 Noon)

Venue: Room no. 2211, 2nd floor, 2nd block, Dr. Akhilesh Das Gupta Institute of Technology and Management

Objectives: Creating exceptional designs and showcasing the skills.

Key Takeaways:

- Students participated with great enthusiasm, dedication and enjoyed CSS war 3 web designing competition.

Student Organiser: Roshan Kumar (AI & DS IIIrd Year)
Lakshay Wadhwani(AI & DS IIIrd Year)
Kushal Gupta(AI & DS IIIrd Year)
Anuj Bansal(AI & DS IIIrd Year)
Ayushmaan Kamboj(AI & DS IIIrd Year)

Outcomes: 30 students participated in the techno event held under **AI TechnoUtsav 1.0**. Datazoic, the official society of the Department of Artificial Intelligence and Data Science, collaborated with IEEE ADGITM to present this amazing event at Technorax v9.0.

Beneficiaries: ADGITM students

Photographs of event with title: CSS War 3 Event

Winner: Shubham Singla(AI&DS 3rd Year)



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IEEE ADGITM



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

PRESENTS

Friday
13 Oct 2023

11 AM - 12 PM

CSS
WAR



LOGIX



Register Now

#ShapingGenerations







DR. AKHILESH DAS GUPTA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Department of Artificial Intelligence and Data Science

Report on Canva Creative Challenge

Dated:13/10/2023

Date of Event: 13th October 2023 (1:00pm – 2:30 PM)

Venue: Room no. 2216, Block 2 Floor 2, Dr. Akhilesh Das Gupta Institute of Technology and Management

Objectives: Showing team spirit while competing with other teams showing their graphics creative skills.

Key Takeaways:

- Students participated with great enthusiasm and enjoyed Canva Creative Challenge.

Student Organiser: Avani Sharma (AI&DS IInd Year)
Revanta Biswas (AI&DS IInd Year)
Saarthak Shivam (AI&DS IInd Year)
Umanig Sinha (AI&DS IInd Year)
Sonika Nautiyal (AI&DS IInd Year)

Outcomes: 17 teams participated in the techno event held under **AI TechnoUtsav 1.0** Datazoic, the official society of the Department of Artificial Intelligence and Data Science, collaborated with IEEE ADGITM to present this amazing event at Technorax v9.0.

Beneficiaries: ADGITM students

Photographs of event with title: Canva Creative Challenge

Winners: Team Visionary

1. Badal (B.Tech. ECE 3rd year)
2. Himanshu (B.Tech. ECE 3rd year)



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Canva Creative Challenge

#shapinggenerations

Team Size:
2 Members

OCTOBER 13, 2023
1 pm onwards
Room No 2216

SCAN ME

IEEE DAY





DR. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES

(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)



Department of Artificial Intelligence and Data Science

Report on Seminar: Data science – “The future of world”

Date of event: 29th November 2023 (1:00 PM - 2:30 PM)

Venue: Room no. 2216, Dr. Akhilesh Das Gupta Institute of Professional Studies

Attendees: More than 70 participants & 7 volunteers

Organizer: Kasak (2nd Year, AI & DS Department)

Jyoti Rana (2nd Year, AI & DS Department)

Speaker: Madhav Maheshwari (2nd Year, AI & DS Department)

Nikhil Pandey (2nd Year, AI & DS Department)

Objectives:

- 1) To discuss emerging trends and future possibilities in the field.
- 2) Where will be the world in next five years with Data Science.
- 3) To showcase real-world applications of data science in modern times.
- 4) To give the knowledge about Data scientist and more about Data science.

Activities Done:

There were two activities: -

1. Educational Session: The first part of the was an educational session where Data science and some of its other concepts were taught. Topics covered included where we will be in next years, why data science? Data science lifecycle, needs of data scientist and scope of data science.

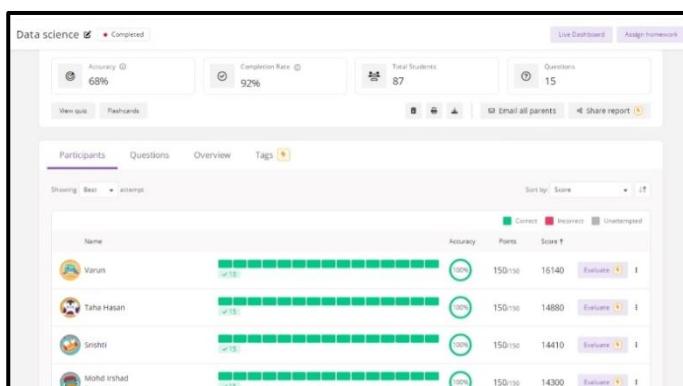
2. Quiz: In the second part, students had given 15 questions based the educational session which was the live quiz on platform quizizz.

Outcomes:

Participants gained a deeper understanding of the pivotal role data science plays in various industries, recognizing its potential to drive innovation, efficiency, and decision-making processes.

Winner: Varun (1st year (II shift), ECE department)

PHOTOGRAPHS ATTACHED: -





DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT

Department of Artificial Intelligence & Data Science

Report on Industrial Visit at Coding Block, Noida

Dated:
20/10/2023

Date of Event: 19th October 2023(10:00AM- 03:00PM)

Venue: CODING BLOCKS, Sector 02, Noida.

Objectives: Students went through with in-depth knowledge of data science right from its usage and applications, R statistical computing, data manipulation, data visualization, applying descriptive and inferential statistics on the data, and much more. Besides this, also gain practical knowledge by executing real-time projects and providing solutions to the problems.

Key Takeaways:

- Data Science fundamentals and its importance in modern business
- Data Science process, life cycle and data capture and acquisition
- Analysis, experimentation, evaluation, and project deployment tools
- Different Machine Learning algorithms
- Predictive analytics and segmentation using clustering
- Big Data Analytics, Hadoop framework
- Roles and responsibilities of a Data Scientist
- Using real-world datasets to deploy recommender systems
- Working on data mining and data manipulation
- Application of Machine Learning

Outcomes: 103 students participated

Beneficiaries: AI&DS 2nd and 3rd year students, ADGITM

Glimpses of Industrial:







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Department of Artificial Intelligence & Data Science

Report on Industrial Visit at CEPTA Infotech Pvt. Ltd, Noida

Dated: 08/02/204

Date of Event: 07th Feb, 2024 (11:00AM-03:00PM)

Venue: CEPTA Infotech Pvt. Ltd, Sec-2, Noida.

Objectives: Students went through in-depth learning of Full Stack Development. the objective is to enrich 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.

Key Takeaways:

Key takeaways from Full Stack Development industrial visit :

1. **Practical Application:** Understood how Full Stack Development principles, technologies, and tools are applied in real-world projects and environments.
2. **Technological Exposure:** Exposure to a wide range of frontend and backend technologies, frameworks, databases, version control systems, and deployment strategies used in Full Stack Development.
3. **Development Processes:** Insight into the development processes followed in industry, including Agile methodologies, project management practices, collaboration tools, and quality assurance processes.
4. **Professional Insights:** Interactions with professionals working in Full Stack Development, gaining insights into career paths, industry trends, challenges, and best practices.
5. **Hands-on Experience:** Hands-on experiences in coding sessions allowing participants to apply theoretical knowledge in practical scenarios and gain practical skills.
6. **Awareness of Trends:** Awareness of the latest trends, innovations, and emerging technologies in Full Stack Development, helps participants stay updated and adaptable to industry advancements.
7. **Motivation and Inspiration:** Inspiration from success stories and real-world applications of Full Stack Development, motivating participants to further their learning and pursue careers in the field.
8. **Industry-Academia Collaboration:** Promotion of collaboration between academia and industry, exploring potential opportunities such as internships, research projects,

or training programs.

9. **Enhanced Understanding:** Overall, the visit enhances participants' understanding of Full Stack Development, providing them with valuable insights, skills, and connections to succeed in the field.

Beneficiaries: B.Tech.(AI& DS) 2nd and 3rd year students, ADGIPS

Photographs of Industrial Visit attached







CERTIFICATE

OF PARTICIPATION

This is to certify that

Mr. / Ms. **AYUSHMAAN KAMBOJ**..... has

Successfully Participated in **Industrial Visit**

on **Full Stack Development**

held on **2/7/2024** at **ADGITM, Delhi**


Mr. **Vikas Kalra**
Director





DR. AKHILESH DAS GUPTA

INSTITUTE OF PROFESSIONAL STUDIES

(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)

Department of Artificial Intelligence and DataScience

Report on Data Science and Applications Workshop

Dated: 15/02/2024

Date of Event: 13th Feb 2024 (11:00 am- 3:00 pm)

Venue: Room no. 2216, Dr. Akhilesh Das Gupta Institute of Professional Studies

Objectives: The Data Science and Applications One Day Workshop aimed to provide participants with a comprehensive understanding of data science principles, methodologies, and their practical applications across various domains. The workshop featured a series of lectures, hands-on sessions, and discussions led by industry expert and seasoned practitioners in the field.

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

Key Highlights:

- Introduction to Data Science:** 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.
- Data Visualization Techniques:** A session dedicated to data visualization techniques was conducted, focusing on the importance of visualizing data to gain meaningful insights. Various tools and techniques for creating effective visualizations were demonstrated, enabling participants to effectively communicate their findings through visual

representations.

- 3. **Machine Learning Algorithms:** A comprehensive overview of machine learning algorithms was provided, covering supervised, unsupervised, and reinforcement learning techniques. Participants learned about the practical applications of machine learning in real-world scenarios and gained hands-on experience in implementing algorithms using popular libraries such as Scikit-learn and TensorFlow.
- 4. **Case Studies and Practical Applications:** The workshop featured several case studies and practical demonstrations showcasing the application of data science in diverse domains such as healthcare, finance, marketing, and cybersecurity. These case studies provided participants with valuable insights into how data science techniques can be applied to solve complex problems and drive decision-making processes in various industries.
- 5. **Ethical Considerations in Data Science:** An important aspect covered in the workshop was the ethical considerations surrounding data science practices. Participants engaged in discussions regarding data privacy, bias mitigation, and responsible use of data, emphasizing the importance of ethical guidelines in data-driven decision-making.

Outcomes: The Data Science and Applications One Day Workshop provided participants with a comprehensive understanding of data science principles, methodologies, and practical applications. Through a combination of lectures, hands-on sessions, and case studies, participants gained valuable insights into the interdisciplinary nature of data science and its significance in today's data-driven world. The workshop successfully equipped attendees with the knowledge and skills necessary to leverage data science techniques effectively in their respective domains.

Beneficiaries: ADGIPS students

Photographs of event with title: Data Science and Applications One Day Workshop
Photographs & certificates snapshot enclosed.



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BBD

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ORGANIZING
WORKSHOP ON
**DATA SCIENCE
AND
APPLICATIONS**

Envisioning Tomorrow's Data-Driven Cities!

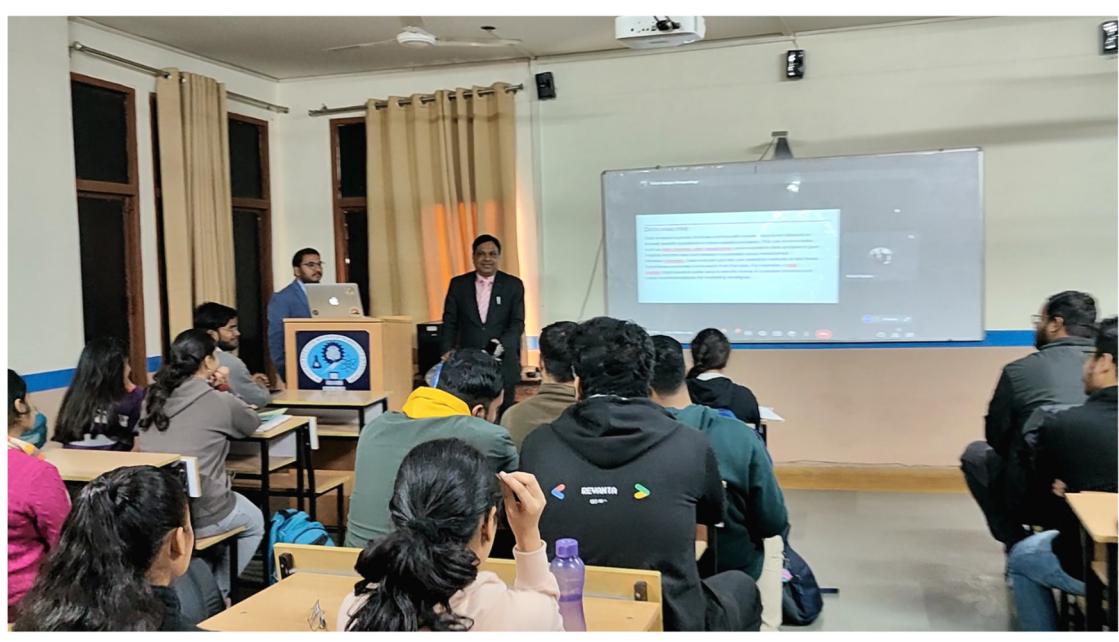
**SCAN HERE
TO JOIN US!**

**TUESDAY
13TH FEB, 2024** **ROOM NO. 2216
ADGIPS** **STARTS AT
12:00 PM**

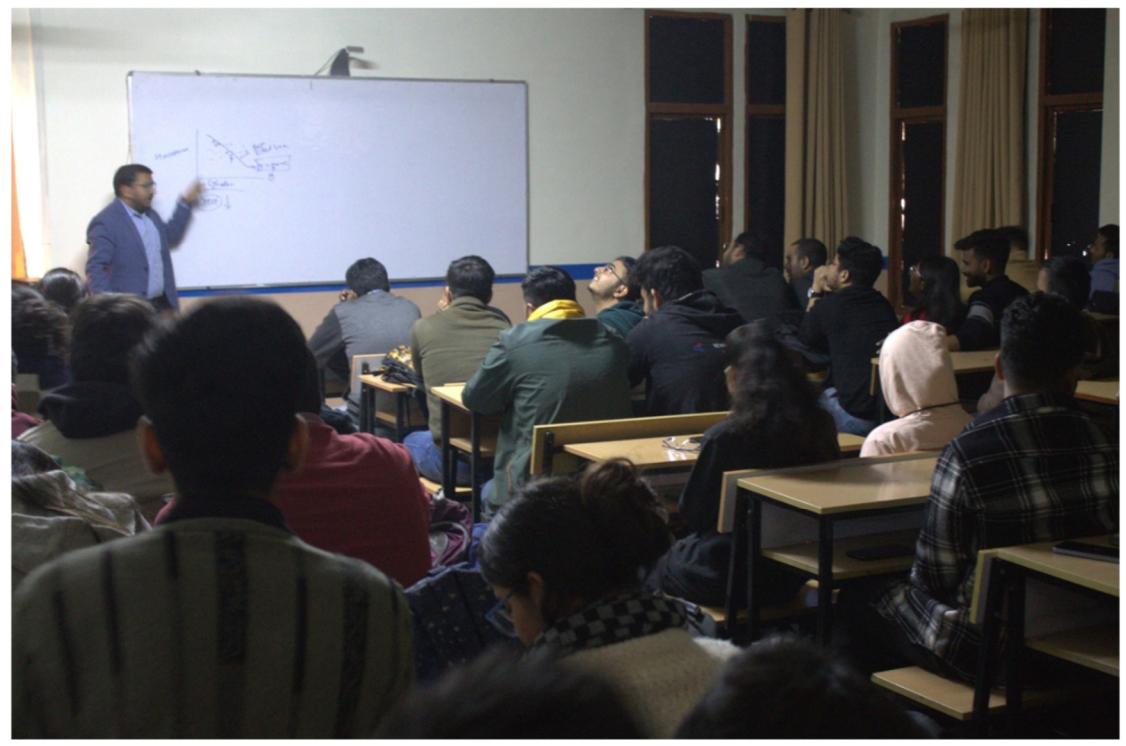
SPEAKER

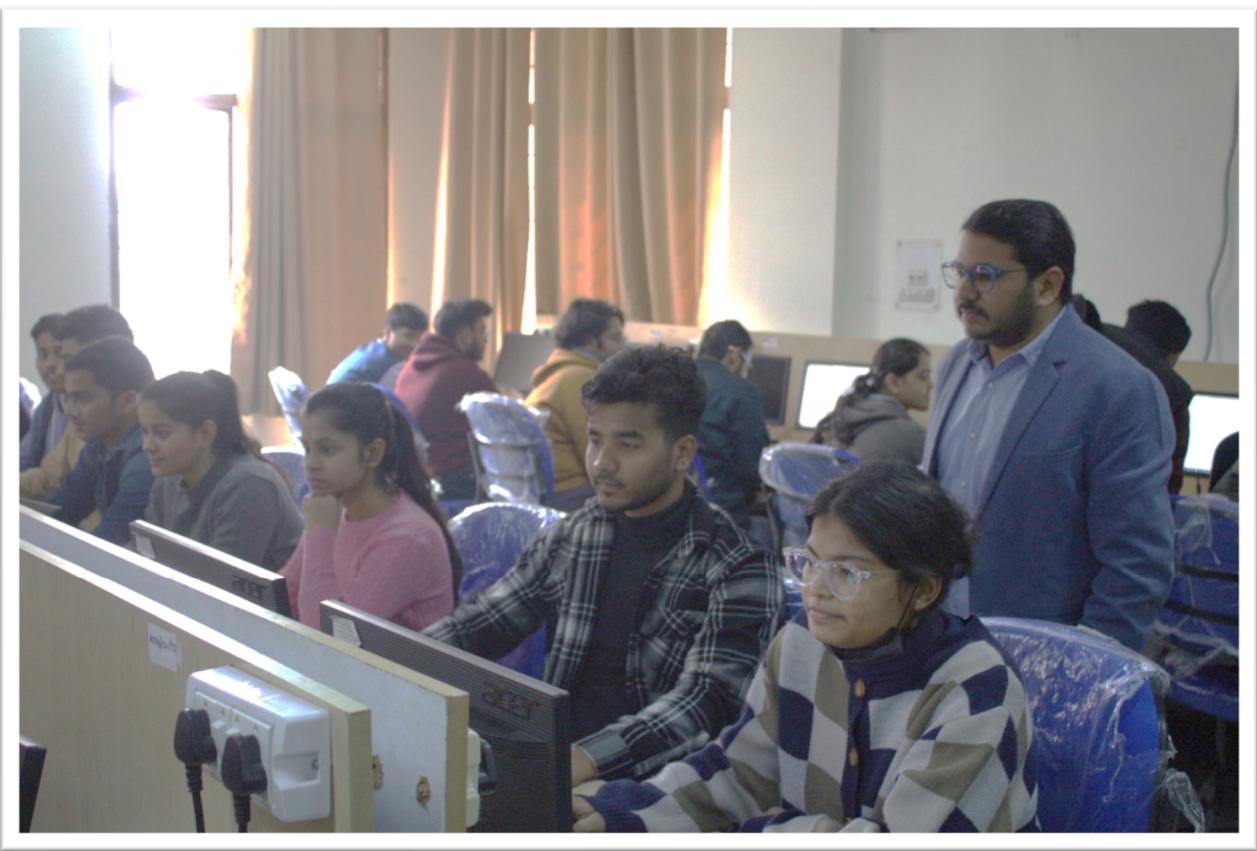
MR. NITISH RANJAN
WIPRO Certified Faculty















DR. AKHILESH DAS GUPTA

INSTITUTE OF PROFESSIONAL STUDIES

(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)

Department of Artificial Intelligence and Data Science

Report on One Day Seminar on Machine Learning

Dated: 20/02/2024

Date of Event: 19/02/2024

Objectives: The objective of the event aimed to cover a broad spectrum of topics related to machine learning, including its theoretical foundations, practical applications, and emerging trends.

Keynote Speaker: Prof. (Dr.) Nanhey Singh, Professor, Netaji Subhash University of Technology, Delhi an esteemed researcher and practitioner in the field of Machine Learning, delivered the keynote address. Their presentation provided valuable insights into the latest developments and challenges in Machine Learning, stimulating engaging discussions among the participants

Key Takeaways: 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

Panel Discussion: A panel discussion featuring experts from academia and industry was organized to address questions from the audience and delve deeper into specific topics

related to machine learning. The panelists shared their expertise, experiences, and practical insights, enriching the seminar discussions.

Interactive Sessions and Networking: The seminar included interactive sessions where attendees had the opportunity to engage in hands-on activities, demonstrations, and practical exercises related to machine learning. These sessions facilitated knowledge sharing, collaboration, and networking among participants.

Case Studies and Real-World Examples: The workshop included case studies and real-world examples to illustrate the practical applications of Machine Learning techniques. Participants learned how Machine Learning is being used in industries such as healthcare, finance, marketing, and autonomous systems through real-life use cases and success stories.

Q&A and Discussion Sessions: Throughout the workshop, participants actively engaged in Q&A sessions and discussions with the workshop facilitator and their peers. These sessions provided valuable opportunities for participants to clarify their doubts, share their insights, and learn from each other's experiences.

Outcome of seminar: In conclusion, the one-day seminar on Machine Learning was a resounding success, providing attendees with valuable insights, knowledge, and networking opportunities in the field. The seminar contributed to fostering a deeper understanding of Machine Learning concepts and applications among the participants, thereby promoting continued learning and professional development in this rapidly evolving field.

Beneficiaries: ADGITM students

Photographs of event with title: attached.

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ML Decoded : Transforming Data into Action.

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SPEAKER

Prof.(Dr.) Nanhay Singh
NSUT, West Campus

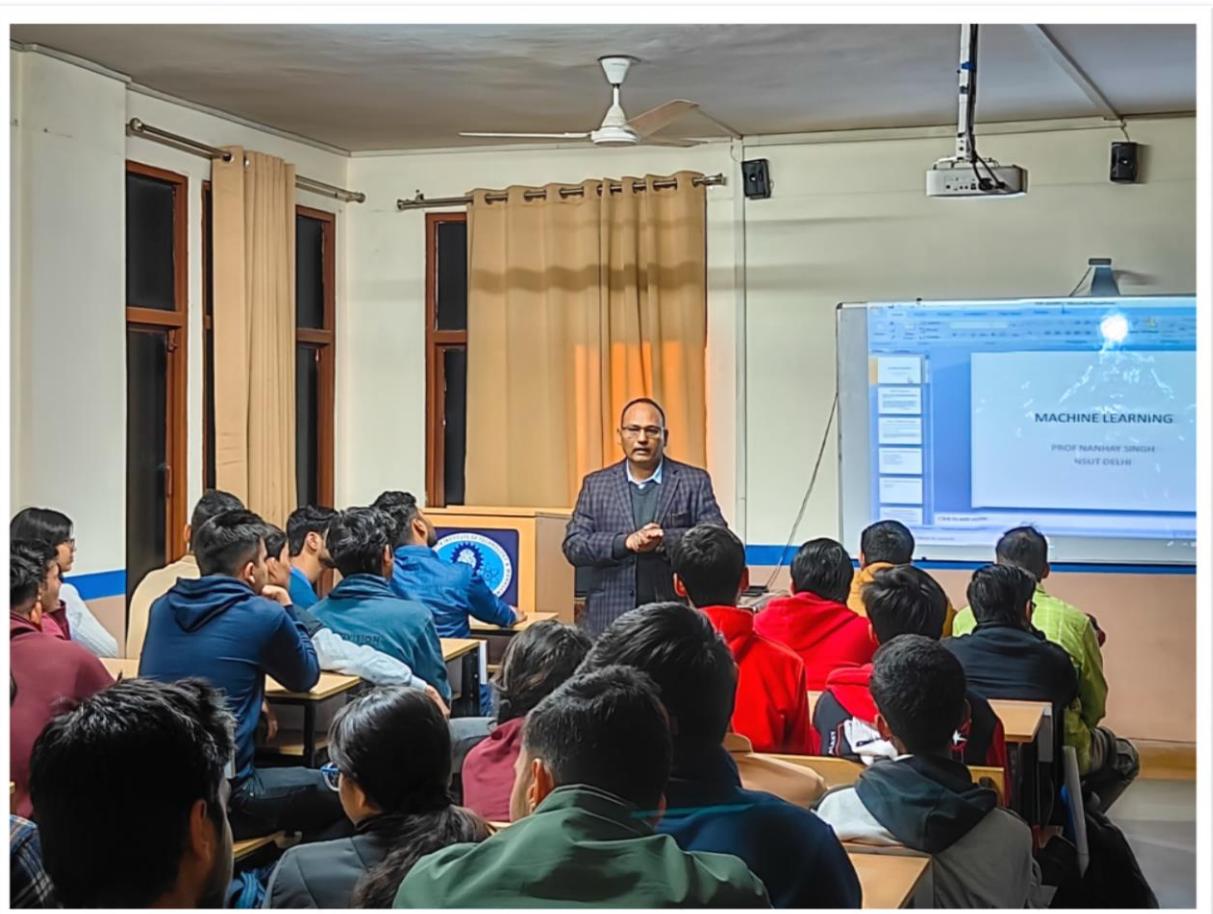
 **THURSDAY**
15TH FEB, 2024

 **ROOM NO.2216**
ADGIPS

 **STARTS AT**
1:00 PM









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Department of Artificial Intelligence & Data Science

Report on Industrial Visit at UnCodemy, Noida

Dated: 04/03/2024

Date of Event: 01st March, 2024 (01:00AM-05:00PM)

Venue: UnCodemy, Udyog Marg, Sec-1, Noida.

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.

Activities:

- Industrial Visit:** The event commenced with an industrial visit to **UnCodemy, Udyog Marg, Sec-1, Noida**. Participants were given a tour of the facility and were introduced to the AI and data science infrastructure employed by the company. They had the opportunity to interact with industry experts and gain insights into the practical challenges and solutions in implementing AI and data science projects in a real-world setting.
- Workshop Sessions:** Following the industrial visit, workshop sessions were conducted by experts in the field. The workshop covered various topics including:
 - Introduction to Artificial Intelligence and Data Science
 - Machine Learning Algorithms and Techniques
 - Deep Learning and Neural Networks

- Data Preprocessing and Feature Engineering
- Applications of AI and Data Science in Industry
- Hands-on Sessions with AI Tools and Frameworks

3. Panel Discussion: A panel discussion was organized where industry experts shared their experiences and insights on the current trends and future prospects of AI and data science. Participants had the opportunity to ask questions and engage in discussions with the panelists.

4. Project Showcase: Participants were encouraged to showcase their AI and data science projects during the event. This provided a platform for participants to demonstrate their skills and receive feedback from peers and experts.

Key Takeaways:

- Participants gained practical insights into the applications of AI and data science in industries such as healthcare, finance, manufacturing, and more.
- Hands-on sessions enabled participants to gain experience in using AI tools and frameworks for solving real-world problems.
- Interaction with industry experts provided valuable networking opportunities and career guidance in the field of AI and data science.
- The event helped participants understand the importance of continuous learning and skill development in the rapidly evolving field of AI and data science.

Outcome: The industrial visit cum workshop on Artificial Intelligence and Data Science was a valuable learning experience for participants, providing them with practical insights and hands-on experience in the field. The event successfully bridged the gap between theory and practice, equipping participants with the knowledge and skills required to excel in the field of AI and data science.

Beneficiaries: B.Tech.(AI& DS) 2nd and 3rd year students, ADGIPS

Photographs of Industrial Visit attached



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

ORGANIZING

INDUSTRIAL VISIT

AT

U-C UnCodeMy



**FRIDAY
01.03.2024
10:00:00 AM**



**B 14-15, UDHYOG MARG, BLOCK
B, SECTOR 1, NOIDA,
UTTAR PRADESH**

Industrial Visit Cum Workshop

in collaboration with



**DR. AKHILESH DAS GUPTA
INSTITUTE OF PROFESSIONAL STUDIES**
(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)



**Topic: Unlocking the Potential:
Data Science, AI, and Opportunities**



**FRIDAY
01st March, 2024**



**TIME
01:00 PM**



HEAD OFFICE :

**B 14-15. Udyog Marg, Sector 1,
Noida, Uttar Pradesh - 201301
Near Noida Sector 15 Metro Station**

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CERTIFICATE

OF PARTICIPATION

THIS IS TO CERTIFY THAT

Ashutosh Dhal

attended the **One-day Industrial Visit-Cum-Workshop on**
Unlocking the Potential: Data Science, AI, and Opportunities
conducted on 01 March 2024 at **Uncodemy Head Office**.

The seminar provided valuable insights into the field of **Data Science & AI** including its applications in various industries and the latest trends in the field.

01ST MARCH 2024

DATE



Gangesh Kumar Gaunr

MR. GANESH KUMAR GAUNR

Founder



DR. AKHILESH DAS GUPTA

INSTITUTE OF PROFESSIONAL STUDIES

(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)



Department of Artificial Intelligence and Data Science

Report on Code Breaker

Dated: 13/03/2024

Date of Event: 13th March 2024(1:30 PM - 2:30 PM)

Location: Room Number – 2216, AI & DS Department

Attendees: 12 teams & 5 volunteers.

Organizers: Madhav Maheshwari & Nikhil Pandey (2ND Year, AI & DS Department)

Coordinator: Jyoti Rana & Kasak (2ND Year, AI & DS Department)

Overview: The Code breaker event was a fun and exciting event that was organized by Datazoic – The Official Society of Artificial and Data Science Department. The event took place on 13th March 2024 at Room Number 2216 and was attended by 12 teams. The aim of the event was to provide an opportunity for attendees to have fun, bond with each other, exercise their problem-solving skills & as well as to boost their coding skill.

Activities: In the Code breaker event, 12 teams participated, each one to three members. Registered teams had to report to room 2216 at 1:00 PM, where they provided questions for the levels. Team member had to solve all the questions according to the rules in particular given time. In level 1, 5 statements are directed to the teams, and they have to cross the correct answers of the statements. In level 2, students are provided with an arithmetic expression and teams have to solve them. In level 3, students are provided with one more code in which there were some errors and teams have to find and correct the errors. In level 4, students are provided with one more code and teams have to find the output of the code by dry run. There was a continuous evaluation of the sheets in which code is provided to the teams, disqualification of the teams done on the basis of their performance.

Outcome: 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 teams “Code_Companion”

Team name	Branch & section	Members	Position
Code_Companion	AI&DS (Sec: M)	1	1 st

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.

Conclusion: The Treasure Hunt event was an exciting and enjoyable event that was well-organized and well-received by the attendees. The event provided a fun and unique opportunity for Attendees to bond with each other, exercise their problem-solving skills, and have a great time. Attendees showcased their coding skills, tackled intricate puzzles, and competed for the coveted title of Code Breaker champion. The success of the event shows that with proper planning and organization, it is possible to create events that are both fun and educational.







DR. AKHILESH DAS GUPTA

INSTITUTE OF PROFESSIONAL STUDIES

(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)



Department of Artificial Intelligence and Data Science

Report on GEN AI

Dated: 15/03/2024

Date of Event: 15th March 2024(1:30 PM - 2:30 PM)

Location: Room Number – 2103, AI & DS Department

Attendees: 16 teams & 6volunteers.

Organizers: Yash Pandey & Srithi Gupta (2ND Year, AI & DS Department)

Volunteers- Umang Sinha, Sonika Nautiyal, Saarthak Shivam, Revanta Biswas, Abhigyaan Ranjan, Jaival Bhatia (2ND Year, AI & DS Department)

Overview: The GEN AI event was a fun and exciting event that was organized by Datazoic – The Official Society of Artificial and Data Science Department. The event took place on 15th March 2024 at Room Number 2103 and was attended by 16 teams. 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.

Activities: On March 15th, Room 2103 buzzed with creative energy as 16 solo competitors faced off in a Generative AI (Gen AI) challenge. This unique event pushed the boundaries of what one person could achieve with the power of AI tools.

The contest unfolded in a fast-paced hour. Each participant, armed with their ingenuity, tackled a specific domain using Ideogram, an AI image generation tool. Their mission: to conjure four unique images within the given timeframe. But the challenge didn't stop there. These AI-generated visuals then became the springboard for crafting a compelling storyline using ChatGPT, another AI marvel.

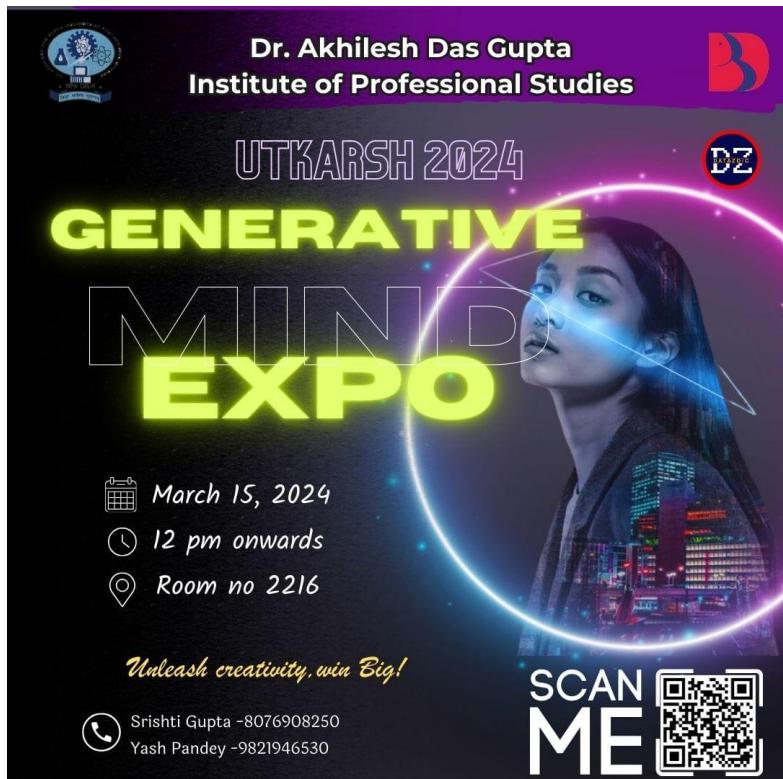
This one-hour marathon showcased the synergy between human imagination and the potential of Generative AI. Participants weren't just creating images – they were weaving narratives fueled by AI inspiration. The event promised a glimpse into the future of storytelling, where AI acts as a powerful collaborator, helping artists and writers bring their visions to life.

Outcome: The GEN AI 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 usage of AI tools and creative 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.

Conclusion: Harshit from AIML (1st Year) was declared as winner. The winner is rewarded with Rs. 200. And other teams are rewarded by a coupon of 15% off on the meal from SUB91 for their determination towards the learning.

Winner name	Branch & section	Year	Position
Harshit	AIML	1st	1











Department of Artificial Intelligence and Data Science

Report on Stumble Guys Challenge

Dated: 14/03/2024

Date of Event: 14th March 2024 (11:30AM – 12:30PM)

Location: Room no. 2114 (AI & DS Department, ADGIPS College)

Attendees: 21 participants and 3 volunteers

Organizers: Priyanshu Gupta & Lokesh Kumar Arya (2ND Year, AI & DS Department)

Coordinator: Mohit Sharma & Aman Jain (2ND Year, AI & DS Department)

Objectives: Showing competitive spirit while gaming with fellow players through gaming event.

Overview: The Stumble Guys Challenge event was a fun and exciting event that was organized by Datazoic – The Official Society of Artificial Intelligence and Data Science Department. The event took place on 14th March 2024 at Room Number 2214 and was attended by 21 participants. The aim of event is to have fun and bond with each other.

Key takeaway: Students participated with great enthusiasm and enjoyed Stumble Guys Gamming challenge.

Activities: 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)]

Outcome: The Stumble Guys Challenge event was a huge success. The attendees had a great time and enjoyed a lot. The feedback received from the attendees was overwhelmingly positive, with many of them expressing their desire to attend similar events in the future. The first winner is rewarded with Rs. 300 cash as prize and the runner up got goodies. All the other participants are provided with a coupon of 15% off on the meal from SUB91 for their participation.

Conclusion: The Stumble Guys Challenge event was an exciting and enjoyable event that was well organized and well-received by the attendees. The event provided a opportunity for Attendees to show their gaming skills, have a great time and competed for the Winner. The success of the event shows that with proper planning and organization, it is possible to create events that are both fun and engaging.



Photographs of the event:







DR. AKHILESH DAS GUPTA

INSTITUTE OF PROFESSIONAL STUDIES

(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)



Department of Artificial Intelligence and Data Science

Report on Anime IQ Clash

Dated: 14/03/2024

Date of Event: 14th March 2024(1:30 PM - 2:30 PM)

Location: Room Number – 2214, AI & DS Department

Attendees: 11 teams & 3 volunteers.

Organizers: Saarthak Shivam (2ND Year, AI & DS Department)

Coordinator: Sonika Nautiyal(2ND Year, AI & DS Department)

Overview: The Anime IQ Clash event was a fun and exciting event that was organized by Datazoic – The Official Society of Artificial and Data Science Department. The event took place on 14th March 2024 at Room Number 2214 and was attended by 11 teams. The aim of the event was to provide an opportunity for attendees to have fun, bond with each other, as well as to boost their anime knowledge.

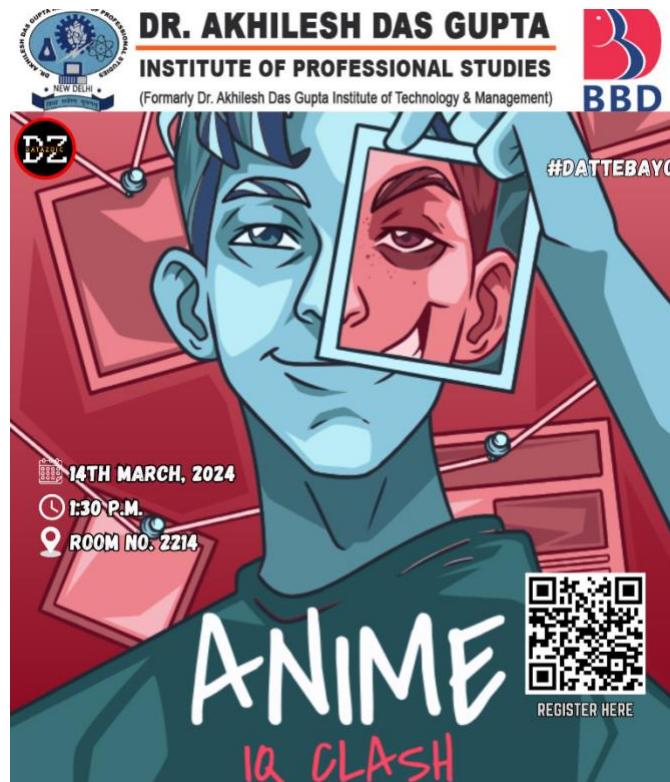
Activities: In the Anime IQ Clash event, 11 teams participated, each one to two members. Registered teams had to report to room 2214 at 1:00 PM, where they were provided with a QR code and a numeric code to join on mentimeter.com to join the quiz. The attendees were required to join the quiz and answer the questions in quick succession. The team with the most correct answers and less time wins.

Outcome: 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” was

Team name	Branch & section	Members	Position
Aincrad	CST(O)	1	1 st

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.

Conclusion: The Anime IQ Clash event was an exciting and enjoyable event that was well-organized and well-received by the attendees. The event provided a fun and unique opportunity for Attendees to bond with each other and have a great time. Attendees showcased their anime knowledge, tackled intricate quizzes, and competed for the coveted title of Anime champion. The success of the event shows that with proper planning and organization, it is possible to create events that are both fun and educational.







DR. AKHILESH DAS GUPTA

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Department of Artificial Intelligence and Data Science

“Utkarsh-2024”

Technical Exhibition

Projects Details

Sr. No.	Project Name	Students Name	Year	Date
1	FemineSync- Break The Taboo	Hardik Sharma Ansh Varshney Sahil Gupta	3rd year	15.03.24
2	CanvasAI-Draw With Hand Gestures	Nandini Singh Jatin Singh	3rd year	15.03.24
3	Driver Drowsiness Detection System	Subham Singla Anurag Kumar Jha Ayushmaan Kamboj	3rd year	15.03.24
4	Inventory Management And Performance Automation Control Tool (IMPACT)	Mayank Garg Jyoti Rana	1st year 2nd year	15.03.24

FemineSync- Break The Taboo

Hardik Sharma(35215611921/T-13) , Ansh Varshney(03215611921/T-13)
Sahil Gupta(35315611921/T-13)

Overview: **FemineSync**, is a groundbreaking initiative dedicated to revolutionizing conversations surrounding menstrual health and periods. In a world where the menstrual cycle is often shrouded in stigma and silence, Feminesync emerges as a beacon of empowerment and education. For far too long, menstruation has been a taboo topic, relegated to hushed tones and hidden away from public discourse. Yet, the menstrual cycle is a natural and integral aspect of the female experience, affecting individuals across the globe in profound ways. From adolescence to menopause, the menstrual journey is a complex interplay of physiological changes, emotional fluctuations, and societal influences. Feminesync seeks to dismantle the barriers of shame and misinformation that surround menstruation. The platform provides a safe and inclusive space for individuals of all genders to engage in open dialogue, gain knowledge, and foster a deeper understanding of menstrual health. Through a combination of advocacy, education, and community-building,

FemineSync strives to:

Destigmatize Menstruation: By fostering open conversations and challenging societal norms, we aim to normalize discussions about menstruation and eradicate the shame associated with it.

Promote Education: We believe that knowledge is power. Feminesync offers comprehensive resources and evidence-based information to empower individuals to make informed decisions about their menstrual health.

Advance Menstrual Equity: Recognizing the disparities in access to menstrual products and healthcare, we advocate for policies and initiatives that promote menstrual equity and ensure that everyone has access to the resources they need.

Celebrate Diversity: Celebrate the diversity of menstrual experiences across cultures, ages, and identities. Feminesync embraces intersectionality and amplifies the voices of marginalized communities within the menstrual health movement.

Foster Supportive Communities: Through online forums, support groups, and events, Feminesync facilitates connections and fosters a sense of solidarity among individuals navigating their menstrual journeys.

CanvasAI - Drawing with Hand Gestures

Nandini Singh (03815611921/T-13), Jatin Singh (02115611921/T-13)

Introduction:

CanvasAI is a computer vision project aimed at providing an innovative platform for creative expression through gesture-based drawing. Utilizing the capabilities of OpenCV and machine learning via Mediapipe, CanvasAI detects and tracks hand landmarks, enabling users to draw in the air with hand gestures. This report outlines the objectives, implementation details, outcomes, and future scope of the CanvasAI project.

Objectives:

- The primary objectives of CanvasAI are as follows:
- Develop a system for gesture-based drawing using hand gestures.
- Provide an interactive canvas where users can draw using different colors.
- Implement functionalities for clearing the canvas and selecting colors.
- Create a user-friendly interface for intuitive interaction.

Results and Output:

CanvasAI successfully provides a real-time demonstration of gesture-based drawing, allowing users to express their creativity by drawing in the air. Users can choose from a variety of colors, clear the canvas, and enjoy an interactive drawing experience.

Conclusion:

CanvasAI represents an innovative approach to digital drawing, leveraging computer vision and machine learning technologies. The project demonstrates the feasibility of gesture-based interaction for creative applications and opens avenues for future research and development in this domain.

Driver Drowsiness Detection System with alarm using OpenCv and Deep Learning

Shubham Singla(02215611921/T-13) , Anurag Kumar Jha(01615611921/T-13)
Ayushmaan Kamboj(00815611921/T-13)

"Driver Drowsiness Detection System" is a comprehensive project aimed at enhancing road safety by leveraging cutting-edge technology. Our system employs state-of-the-art computer vision and machine learning techniques to detect signs of driver drowsiness in real time, thus preventing potential accidents caused by driver fatigue.

For training purposes, we used a vast image dataset {MRL}, i.e. Media Research Lab dataset which contains more than 60,000 images of eyes divided into two main categories (open/closed). After training the model by applying various neural network layers and activation functions, we saved the model by name (model.h5) checkpoint where it was giving the maximum accuracy (94% approx.) at around 10 epochs. After the model had been created, we also made a separate GUI for visualization purposes and exhibition. In the GUI, once we run the code, a tkinter window appears with the camera on and recording the face especially focusing on the eyes. Once the person in front of the camera slightly shuts his/her eyes off for a few seconds (threshold value of around 3-4 seconds), the camera will detect it and the screen will show a red text saying "Eyes are closed" with an alarm buzzing off for a few seconds. For closing the GUI, directly pressing "E" will close the Tkinter window.

Inventory Management and Performance Automation Control Tool (IMPACT)

MAYANK GARG (005115611923/1st Yr. -M), Jyoti Rana (05415611922/S-11)

The project aims to develop an advanced **Inventory Management and Performance Automation Control Tool** to streamline inventory tracking, management, and performance monitoring processes for businesses. This project involves adapting digital bill-making, due management, low system requirements and no high education requirement.

IMPACT offers a range of features that cater to the needs of small businesses or individuals, providing a user-friendly, cost-effective, and versatile solution for managing digital billing, inventory, and credit transactions.

Glimpses of Technical Exhibitions









DR. AKHILESH DAS GUPTA

INSTITUTE OF PROFESSIONAL STUDIES

(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)

Department of Artificial Intelligence and Data Science

Report on One Day Workshop on "Research Methodology: Effective Technical Writing"

Dated: 22/04/2024

Date of Event: 18/04/2024

Objectives: The objective of the event 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 trends.

Keynote Speaker: Dr. Rajender Kumar, Associate Professor, Department of ECE, Bhagat Phool Singh Mahilla Vishwavidyalaya Khanpur, Sonipat, Haryana an esteemed researcher and practitioner in the field of Research Mathodology, delivered the keynote address. Their presentation provided valuable insights into the latest developments and challenges in Machine Learning, stimulating engaging discussions among the participants.

Session Highlights:

1. Fundamentals of Research Methodology:

- The session began with an overview of research methodologies, emphasizing the importance of clear research objectives, appropriate research design, and systematic data collection methods.

- Key topics covered included qualitative and quantitative research methods, sampling techniques, and data analysis methods.
- Participants engaged in interactive discussions and case studies to reinforce their understanding of research methodologies.

2. Principles of Effective Technical Writing:

- This session focused on the principles and techniques of technical writing, including clarity, conciseness, coherence, and correctness.
- Participants learned strategies for organizing technical documents, writing clear and concise sentences, and using visuals effectively to enhance understanding.
- Practical examples and exercises allowed participants to apply the principles learned and receive feedback from facilitators.

3. Workshop Activities and Exercises:

- Participants were divided into small groups to work on research scenarios and develop research proposals.
- Practical exercises on technical writing included drafting abstracts, summarizing research findings, and creating technical reports.
- Facilitators provided guidance and feedback, encouraging participants to apply the concepts discussed during the sessions.

4. Panel Discussion: Challenges and Best Practices:

- A panel of experienced researchers and technical writers shared their insights on overcoming common challenges in research and technical writing.

- Discussions revolved around strategies for dealing with writer's block, peer review process, citation management, and ethical considerations in research.
- Participants had the opportunity to ask questions and seek advice from the panelists, fostering a dynamic exchange of ideas.

Outcome of workshop: In Outcome, the one-day workshop on Research Methodology and Effective Technical Writing concluded successfully, the workshop served as a valuable platform for learning, skill development, and networking in the areas of research methodology and technical writing, contributing to the professional growth of all participants.

Beneficiaries: ADGITM students

Photographs of event with title: attached.



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

(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

**Organizes
A One Day Workshop
on**

“Research Methodology: Effective Technical Writing”



Dr. Rajender Kumar

Associate Professor

Department of ECE

BPS Mahila Vishwavidyalaya
Khanpur, Sonipat Haryana



**10:00 AM
onwards**



Room no. 2216



15 April 2024





DR. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES

(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)

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Department of Artificial Intelligence & Data Science

Report on FDP on Network Science using Python

(13.05.2024 - 17.05.2024)

Venue: AI&DS Smart Room (2216)

Resource Persons:

1. Er. Shano Solanki (SS), Associate Professor, NITTTR, Chandigarh
2. Dr. Sarbjit Singh, Professor, UIET, Panjab University, Chandigarh
3. Dr. Iqra Altaf Gillani, Assistant Professor, NIT, Srinagar
4. Dr. Mahipal Jadeja, Assistant Professor, MNIT, Jaipur
5. Dr. Gaurav Kumar, Managing Director, Magma Research and Consultancy Services, Ambala
6. Dr. Bhawna Saxena, Assistant Professor, Jaypee Institute of Information Technology, Noida
7. Dr. Rahul Saxena, Assistant Professor, Manipal University Jaipur, Rajasthan

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.

Key Takeaways:

- **Fundamental Concepts:** Participants gained a strong foundation in graph theory and network science, essential for understanding complex networks in various domains.
- **Python Libraries:** Practical sessions on NetworkX and iGraph enabled participants to create, manipulate, and visualize networks effectively.
- **Social Network Analysis:** Insights into structural properties, information diffusion models, and influence maximization algorithms broadened participants' understanding of social networks.

- **Advanced Tools:** Exposure to advanced tools like Gephi for network visualization and graph machine learning techniques enriched participants' analytical capabilities.
- **Community Detection:** Participants learned about algorithms for community detection, enhancing their ability to identify significant clusters within networks.

Daily Sessions Overview:

13.05.2024 (Monday)

10:00 a.m. to 11:30 a.m.

Topic: Introduction to Graph Theory and Network Science

Speaker: Dr. Iqra Altaf Gillani

Summary: Dr. Gillani provided an extensive introduction to graph theory and network science, covering basic terminologies, the importance of networks in various domains, and the mathematical foundations of graph theory.

11:45 a.m. to 1:15 p.m.

Topic: Introduction to Python NetworkX Library for Creation and Visualization of Graphs

Speaker: Er. Shano Solanki

Summary: Er. Solanki demonstrated the use of the NetworkX library in Python for creating, manipulating, and visualizing graphs. Practical examples were provided to help participants understand the functionalities of NetworkX.

3:00 p.m. to 4:30 p.m.

Topic: Graph Data Representation using Various Data Structures and Graph File Formats and their Processing in Python

Speaker: Dr. Sarbjeet Singh

Summary: Dr. Singh discussed various data structures for graph representation, such as adjacency lists, adjacency matrices, and edge lists. He also covered different graph file formats and how to process them using Python.

14.05.2024 (Tuesday)

10:00 a.m. to 11:30 a.m.

Topic: Social Networks and Structural Properties Computation

Speaker: Er. Shano Solanki

Summary: This session focused on the structural properties of social networks. Er. Solanki explained key concepts like clustering coefficient, degree distribution, and shortest path length in the context of social networks.

11:45 a.m. to 1:15 p.m.

Topic: Information Diffusion on Social Networks Models and their Implementations

Speaker: Er. Shano Solanki

Summary: Participants learned about various models of information diffusion in social networks, including the Independent Cascade and Linear Threshold models. Er. Solanki illustrated these models with practical implementations in Python.

3:00 p.m. to 4:30 p.m.

Topic: Influence Maximization on Social Networks Algorithms

Speaker: Dr. Rahul Saxena

Summary: Dr. Saxena discussed algorithms for influence maximization in social networks. The session included the Greedy algorithm, CELF (Cost-Effective Lazy Forward), and their applications in real-world scenarios.

15.05.2024 (Wednesday)

10:00 a.m. to 11:30 a.m.

Topic: Analyzing Large-Scale Social Networks with Python

Speaker: Dr. Bhawna Saxena

Summary: Dr. Bhawna Saxena demonstrated techniques for analyzing large-scale social networks using Python. Emphasis was placed on efficient data handling and the use of specialized libraries for large network analysis.

11:45 a.m. to 1:15 p.m.

Topic: Decoding Network Influence: Centrality Measures for Identifying Key Nodes

Speaker: Dr. Mahipal Jadeja

Summary: Dr. Jadeja covered various centrality measures such as degree, betweenness, closeness, and eigenvector centrality. He explained their significance in identifying influential nodes within a network.

3:00 p.m. to 4:30 p.m.

Topic: iGraph Essentials: Python's Toolkit for Network Analysts

Speaker: Dr. Mahipal Jadeja

Summary: This session introduced participants to the iGraph library in Python. Dr. Jadeja explained its key features and provided hands-on examples of network analysis using iGraph.

16.05.2024 (Thursday)

10:00 a.m. to 11:30 a.m.

Topic: Graph Machine Learning: From Theory to Practical Applications

Speaker: Dr. Mahipal Jadeja

Summary: Dr. Jadeja bridged the gap between graph theory and machine learning, discussing how graph-based features can be used in machine learning models. Practical applications and coding examples were provided.

11:45 a.m. to 1:15 p.m.

Topic: Community Detection on Social Networks – Algorithms and their Applications

Speaker: Er. Shano Solanki

Summary: Er. Solanki covered algorithms for community detection in social networks, such as the Girvan-Newman and Louvain methods. He demonstrated their applications with Python code.

3:00 p.m. to 4:30 p.m.

Topic: Gephi Tool for Visualization

Speaker: Dr. Gaurav Kumar

Summary: Dr. Kumar introduced the Gephi tool for network visualization. The session included practical examples of creating and manipulating network visualizations to uncover insights.

17.05.2024 (Friday)

10:00 a.m. to 11:30 a.m.

Quiz, Feedback, and Evaluation

Summary: The final session included a quiz to assess participants' understanding, followed by feedback and evaluation. Er. Solanki gathered insights on the effectiveness of the course and suggestions for improvement.

11:45 a.m. to 1:15 p.m.

Topic: Shortest Path Algorithms, Finding Minimum Spanning Tree using Python

Speaker: Dr. Gaurav Kumar

Summary: Dr. Kumar concluded the FDP with practical applications of shortest path algorithms and finding the minimum spanning tree using Python. The session included hands-on coding exercises.

Outcomes:

- **Enhanced Knowledge:** Participants left with a deeper understanding of graph theory, network analysis, and their applications.
- **Practical Skills:** Attendees gained hands-on experience with Python libraries and tools, enhancing their practical skills in network analysis.
- **Collaborative Learning:** The program fostered a collaborative learning environment, encouraging knowledge sharing and networking among participants and experts.
- **Real-World Applications:** The sessions highlighted practical applications of network science in various fields, enabling participants to apply these concepts in their research and professional work.

Conclusion:

The FDP on Network Science using Python provided a comprehensive overview of graph theory, network analysis, and practical applications using Python libraries. The diverse range of topics and expert speakers offered participants valuable insights and hands-on experience in the field of network science. The sessions were well-received, and the participants provided positive feedback, highlighting the practical utility of the course content and the effectiveness of the teaching methods.



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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 मंगलगंगा भारत 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



POCO M6 PRO 5G

17/05/2024 12:38



POCO M6 PRO 5G

17/05/2024 12:38



Ritesh Kumar
Local Co-ordinator, FDP
Assistant Professor

Prof. (Dr.) Archana Kumar
Convener
Head, AI&DS Department