

NEWSLETTER

2024-25 (Part-1)

**AI&DS
INSIGHTS
2024-2025**

**Department of
Artificial
Intelligence &
Data Science**



MESSAGE FROM HEAD OF DEPARTMENT



PROF. (DR.) ARCHANA KUMAR

Dear Readers,

Welcome to the AI&DS Newsletter. The Newsletter enumerates 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 ADGIPS 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 Artificial Intelligence & Data Science, thereby bringing transparency and effectiveness in decision making for the overall welfare of mankind.

MISSION

Mission 1: To produce competent Artificial Intelligence & Data Science professionals to serve the needs of society.

Mission 2: To prepare industry-ready engineers, trained in modern tools and techniques of Artificial Intelligence & Data Science.

Mission 3: To foster innovative research work in the area of Artificial Intelligence & Data Science and allied areas, leading to quality decision-making.

PEO

PEO 1

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.

FACULTY DEVELOPMENT PROGRAM

ASSOCIATED WITH THE DEPARTMENT OF RURAL DEVELOPMENT NITTTR CHANDIGARH

RESEARCH METHODOLOGIES FOR SCIENCE, MANAGEMENT & ENGINEERING

19 AUGUST 2024 TO 23 AUGUST 2024

THE FACULTY DEVELOPMENT PROGRAM (FDP) ON "RESEARCH METHODOLOGIES FOR SCIENCE, MANAGEMENT, AND ENGINEERING" AIMED TO EQUIP PARTICIPANTS WITH ESSENTIAL SKILLS AND KNOWLEDGE REQUIRED FOR CONDUCTING HIGH-QUALITY RESEARCH ACROSS VARIOUS DISCIPLINES.

THE OBJECTIVE WAS TO:

- INTRODUCE PARTICIPANTS TO ADVANCED RESEARCH METHODOLOGIES.
- ENHANCE THEIR UNDERSTANDING OF RESEARCH DESIGN, DATA COLLECTION, ANALYSIS TECHNIQUES, AND HYPOTHESIS TESTING.
- FAMILIARIZE THEM WITH MODERN TOOLS AND SOFTWARE FOR DATA ANALYSIS AND LITERATURE REVIEW.
- ENCOURAGE INTERDISCIPLINARY RESEARCH AND PROJECT FORMULATION ALIGNED WITH SOCIETAL NEEDS.
- DEVELOP COMPETENCE IN USING STATISTICAL SOFTWARE LIKE SPSS, CONDUCTING LITERATURE REVIEWS, AND APPLYING INTELLECTUAL PROPERTY RIGHTS (IPR) CONCEPTS.

 **DR. AKHILESH DAS GUPTA**
INSTITUTE OF PROFESSIONAL STUDIES
(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)
FC-26, Shastri Park, Shahdara, Delhi 110053
Approved by AICTE & BCI and Affiliated to GGSIPU
www.adgips.ac.in +91 011 49905900-99



One Week Online Faculty Development Program on
"Research Methodologies for Science, Management and Engineering (ICT-44)"
FROM 19.08.2024 TO 23.08.2024

ORGANIZED BY

 **Department of Artificial Intelligence and Data Science**
in Association with
Department of Rural Development, NITTTR Chandigarh

 **#ShapingGenerations**

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

Co-ordinator :
Mr. Ritesh Kumar
Assistant Professor



INDUSTRIAL VISITS

AWARENESS PROGRAM ON AICTE IDEA LAB

DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE AND TECHNOLOGY (DCRUST), MURTHAL

AUGUST 27, 2024 - AUGUST 29, 2024

THE PRIMARY OBJECTIVES OF THE VISIT WAS TO:

- ENHANCE PRACTICAL KNOWLEDGE: EXPOSE STUDENTS TO THE PRACTICAL APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE.
- FAMILIARIZE WITH AICTE IDEA LAB: PROVIDE INSIGHT INTO THE RESOURCES, FACILITIES, AND OPPORTUNITIES AVAILABLE IN THE AICTE IDEA LAB.
- ENCOURAGE INNOVATION: INSPIRE STUDENTS TO ENGAGE IN INNOVATIVE PROJECTS AND UNDERSTAND THE IMPORTANCE OF AI AND DATA SCIENCE IN MODERN TECHNOLOGY.

**DR. AKHILESH DAS GUPTA
INSTITUTE OF PROFESSIONAL STUDIES**
(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)
FC-26, Shastri Park, Shahdara, Delhi 110053
Approved by AICTE & BCI and Affiliated to GGSIPU
+91 011 49905900-99
www.adgips.ac.in

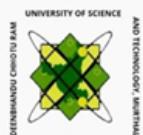
**DEPARTMENT
OF
ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

Organizing an Industrial Visit for 

“Awareness Program on AICTE IDEA Lab”

**27.08.2024 to 29.08.2024**

**Venue: DCRUST,
Murthal, Sonipat,
Haryana**



ShapingGenerations



SMART INDIA HACKATHON

7TH & 10TH SEPTEMBER 2024

TEAMS SHORTLISTED FROM AI & DS BRANCH:

- TEAM ROCKET
- GROWTH HACKER
- CODE CRUSADERS
- NADAAN PARINDEY
- BHARITIYA UDAYAN
- 101 DEVS

| Dr. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES (Formerly ADGITM) FC-26, SHASTRI PARK, NEW DELHI. | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------|
| DIR/Gen-Admin/2024-25 September 13, 2024 | | |
| Results of Smart India Hackathon (SIH) 2024 – Announcement of Selected and Waitlisted Teams | | |
| I would like to bring to your notice that our institution successfully organized the Smart India Hackathon (SIH) 2024 in our college on 7th and 10th, Sept.24. The mentoring round took place on 7th September 2024, followed by the judging round, which was held on 10th September 2024. | | |
| I am pleased to inform you that after careful evaluation by our esteemed judges, a total of 45 teams have been selected to proceed to the next stage of the competition. Additionally, 5 teams have been placed on the waitlist in case any vacancies arise. 45 Selected teams are as follows: | | |
| Serial No. | Team Name | Team Leader |
| 1 | Team Rocket | Revanta Biswas |
| 2 | Growth Hackers | Mohd Farhan Manzer |
| 3 | Cheetah united | Pradipita shau |
| 4 | Nadaan Parindey | Chirag Bansal |
| 5 | Cookie_Byte | Shriyansh Saxena |
| 6 | Coding Samurai | Sagar Kr. Iha |
| 7 | EthnoCare Solutions | Rahul Sharma |
| 8 | Codecrusaders | Jaiyal Bhatia |
| 9 | Nerd Herd | Arpit Chaudhary |
| 10 | THE ENCIPHER | Muskan singh |
| 11 | Robogyan | Vidhi Gupta |
| 12 | Code crusaders | Saurabh Dhangra |
| 13 | Vedanta | Priyanshu Pandey Prof. (Dr.) Nitinanand Sharma |
| 14 | NoName | Jayam Shrivastava Ashish Singh |
| 15 | Electromech | Anjali Nagpal |
| 16 | Bharitiya Udayan | Aditya Jain |
| 17 | Innovative components | Sahil |



TEAM INNO-MINDS

TEAM MEMBERS: MOHIT SHARMA, PRIYANSHU GUPTA, LOKESH KUMAR ARYA, KASAK, NIKHIL NAGARKOTI, HRIK GUPTA



TEAM GROWTH HACKERS

AI&DS-MOHD FARHAN MANZER, AKSHAR GROVER, SAARA
AIML- SUMIT THAKUR, ANANYA AHLAWAT, BHUMIKA ROY

TEAM ROCKET

TEAM MEMBERS: REVANTA BISWAS, SAARTHAK SHIVAM, SONIKA NAUTIYAL, UMANG SINHA, ANUSHKA SHARMA, SRISHTI GUPTA



INDUSTRIAL VISITS

INDIGENOUS 5G TEST BED O&M PROJECT FOR IOT SETUP

BHARTI SCHOOL OF TELECOMMUNICATION TECHNOLOGY AND MANAGEMENT AT INDIAN INSTITUTE OF TECHNOLOGY (IIT) DELHI

27TH SEPTEMBER 2024

THE PRIMARY OBJECTIVE OF THE INDUSTRIAL VISIT WAS TO:

- UNDERSTAND THE 5G TEST BED INFRASTRUCTURE AND ITS POTENTIAL FOR IOT APPLICATIONS.
- GAIN INSIGHTS INTO THE INDIGENOUS DEVELOPMENT AND MAINTENANCE OF 5G TECHNOLOGY.
- EXPLORE HOW 5G TECHNOLOGY CAN BE INTEGRATED INTO IOT ECOSYSTEMS TO FACILITATE SMART DEVICES, AUTOMATION, AND DATA ANALYTICS.
- BRIDGE THE THEORETICAL KNOWLEDGE ACQUIRED IN THE CLASSROOM WITH PRACTICAL, HANDS ON INDUSTRY EXPERIENCE.



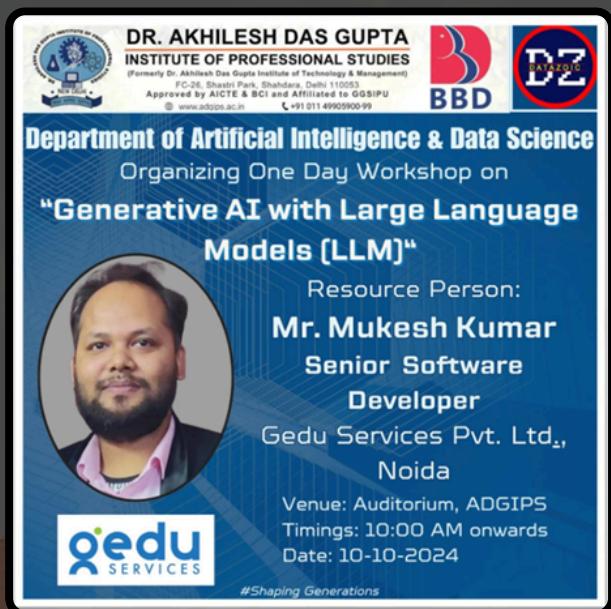
SEMINAR

GENERATIVE AI WITH LARGE LANGUAGE MODELS (LLM)

10TH OCTOBER 2024

THE WORKSHOP AIMED TO PROVIDE IN-DEPTH KNOWLEDGE ABOUT THE RAPIDLY EVOLVING FIELD OF GENERATIVE AI, FOCUSING ON THE CAPABILITIES AND APPLICATIONS OF LARGE LANGUAGE MODELS (LLM), SUCH AS CHATGPT AND OTHER TRANSFORMATIVE AI TECHNOLOGIES.

THE EVENT COMMENCED AT 10:00 AM IN THE COLLEGE AUDITORIUM, WITH MR. MUKESH KUMAR, SENIOR SOFTWARE DEVELOPER AT GEDU SERVICES PVT. LTD., NOIDA, SERVING AS THE RESOURCE PERSON FOR THE WORKSHOP. MR. KUMAR IS A WELL-REGARDED EXPERT IN AI AND MACHINE LEARNING, AND HIS DEEP UNDERSTANDING OF LARGE-SCALE MODELS MADE HIM THE IDEAL GUIDE FOR THIS SESSION.



AI&DS EVENTS

QUIZ COMPETITION

14TH OCTOBER 2024

THE PROGRAMMING QUIZ COMPETITION WAS AN ENGAGING AND FAST-PACED MCQ COMPETITION DESIGNED TO TEST THE PARTICIPANTS' KNOWLEDGE ACROSS VARIOUS SUBJECTS. THE EVENT WAS WELL-ATTENDED, WITH STUDENTS ACTIVELY PARTICIPATING AND DEMONSTRATING THEIR QUICK-WITTEDNESS AND PROBLEM-SOLVING ABILITIES.

EVENT HIGHLIGHTS:

- INDIVIDUAL PARTICIPATION: THE QUIZ REQUIRED PARTICIPANTS TO JOIN INDIVIDUALLY, MAKING IT A HIGHLY COMPETITIVE EVENT.
- ONLINE FORMAT: PARTICIPANTS USED SMARTPHONES AND STABLE INTERNET CONNECTIONS TO TAKE PART IN THE QUIZ, CREATING A SEAMLESS AND ACCESSIBLE EXPERIENCE FOR ALL.
- PRIZES: E-CERTIFICATES TO ALL THE PARTICIPANTS

WINNERS:

- 1ST PLACE: GOVIND (AI&DS) – 2ND YEAR
- 2ND PLACE: ANKIT MISHRA (AI&DS) – 1ST YEAR
- 3RD PLACE: SAKSHAM MADAAN (AI&DS) – 1ST YEAR



PROJECTS EXHIBITION

TECHNORAX 10.0 COLLABORATION WITH IEEE ADGIPS

15TH OCTOBER 2024

THE MUCH-ANTICIPATED TECHNORAX 10.0, ORGANIZED IN COLLABORATION WITH IEEE ADGIPS, RECENTLY CONCLUDED WITH A SPECTACULAR PROJECTS EXHIBITION. THIS EVENT PROVIDED A DYNAMIC PLATFORM FOR STUDENTS TO DISPLAY THEIR INNOVATIVE PROJECTS, SHOWCASING THEIR TECHNICAL TALENTS.



INDUSTRIAL VISITS

DRONE INNOVATION LAB

INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY, DELHI (IIIT-DELHI)

23 OCTOBER 2024

PRIMARY OBJECTIVES OF THE VISIT WAS TO ENHANCE PRACTICAL KNOWLEDGE AND PROVIDE PRACTICAL APPLICATIONS TO THE STUDENTS OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE AND TELL THESE STUDENTS ABOUT HOW ROBOTICS WORK IN THE FIELD OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE.



**DR. AKHILESH DAS GUPTA
INSTITUTE OF PROFESSIONAL STUDIES**
(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)
FC-26, Shastri Park, Shahdara, Delhi 110053
Approved by AICTE & BCI and Affiliated to GGSIPU
✉ www.adgips.ac.in ☎ +91 011 49905900-99

BBD

Department of Artificial Intelligence and Data Science

Organizing Industrial Visit to

**Indraprastha Institute of Information
Technology, Delhi
(IIIT-Delhi)**

Drone Innovation Lab

IIITD Innovation & Incubation Center
Shaping Ideas to Reality

DSIIDC

LOK

Date: 23rd October , 2024

#ShapingGenerations

AI&DS EVENTS

TECHQUEST: DECODE & DOMINATE

15TH OCTOBER 2024

TECHQUEST: DECODE & DOMINATE WAS AN EXCITING EVENT AIMED AT TESTING THE PARTICIPANT'S KNOWLEDGE OF PYTHON, MACHINE LEARNING, AND DATA SCIENCE. THE EVENT ATTRACTED NUMEROUS STUDENTS EAGER TO SHOWCASE THEIR SKILLS AND ENGAGE IN A FRIENDLY YET COMPETITIVE ATMOSPHERE.

THE EVENT WAS STRUCTURED INTO THREE UNIQUE ROUNDS, EACH DESIGNED TO EVALUATE DIFFERENT TECHNICAL SKILLS:

- ❖ IN ROUND 1, PARTICIPANTS TACKLED A CROSSWORD PUZZLE BASED ON FUNDAMENTAL PYTHON CONCEPTS, INCLUDING DATA TYPES, FUNCTIONS, LOOPS, AND LIBRARIES. THIS ROUND TESTED THEIR FOUNDATIONAL PYTHON KNOWLEDGE WHILE CHALLENGING THEM TO THINK QUICKLY UNDER PRESSURE.
- ❖ IN ROUND 2 SHIFTED FOCUS TO MACHINE LEARNING, WHERE PARTICIPANTS FACED A WORD SEARCH WITH CLUES LEADING TO KEY TERMS SUCH AS "OUTLIER," "NEURAL NETWORK," "CLUSTERING," AND "VARIANCE." COMPETITORS HAD TO COMBINE THEIR TECHNICAL UNDERSTANDING WITH SPEED TO IDENTIFY THESE TERMS HIDDEN WITHIN THE GRID.
- ❖ IN ROUND 3, THE FINAL QUIZ COVERED BOTH BASIC PYTHON AND DATA SCIENCE TOPICS, TESTING PARTICIPANTS ON PYTHON SYNTAX, DATA HANDLING, AND IMPORTANT DATA SCIENCE METHODS, REQUIRING A STRONG GRASP OF BOTH FIELDS TO SUCCEED.



MAYANK GARG FROM AI & DS DEPARTMENT, 2ND YEAR WAS THE WINNER OF THIS SUCCESSFUL EVENT.



AI&DS EVENTS

MIND EXCHANGE

15TH OCTOBER 2024

MIND EXCHANGE WAS A GROUP DISCUSSION EVENT DESIGNED TO PROMOTE CRITICAL THINKING, ARTICULATE COMMUNICATION, AND THE SHARING OF IDEAS AMONG PARTICIPANTS. ORGANISED BY THE ARTIFICIAL INTELLIGENCE & DATA SCIENCE DEPARTMENT, THE EVENT PROVIDED A PLATFORM FOR STUDENTS TO ENGAGE IN THOUGHT-PROVOKING DISCUSSIONS ON VARIOUS TOPICS RELEVANT TO TECHNOLOGY, DATA SCIENCE, AND CURRENT TRENDS IN AI.

PARTICIPANTS WERE DIVIDED INTO GROUPS, WITH EACH GROUP TASKED WITH DISCUSSING A GIVEN TOPIC, PRESENTING THEIR VIEWPOINTS, AND DEFENDING THEIR ARGUMENTS.

IMPACT: THE EVENT ENCOURAGED COLLABORATION WHILE ALSO PUSHING PARTICIPANTS TO EXPRESS THEIR IDEAS CLEARLY AND CONFIDENTLY.

EVALUATOR'S ROLE: MS. PRAGYA SERVED AS THE JUDGE FOR THE EVENT, PROVIDING INSIGHTFUL FEEDBACK ON EACH GROUP'S PERFORMANCE. SHE ASSESSED PARTICIPANTS ON THEIR ABILITY TO ARTICULATE THEIR THOUGHTS, ENGAGE IN MEANINGFUL DIALOGUE, AND CONTRIBUTE CONSTRUCTIVELY TO THE GROUP DISCUSSION.



ANKIT KUMAR GIRI FROM ECE DEPARTMENT, 1ST YEAR WAS THE WINNER OF THIS WONDERFUL EVENT.



FACULTY ACHIEVEMENTS

THE FACULTY PERFORMANCE AND ACHIEVEMENT LIST FOR THE

ACADEMIC SESSION 2024-25

PROF. (DR.) ARCHANA KUMAR

- 3 RESEARCH PAPER
- SWAYAM NPTEL CERTIFICATION IN BIG DATA COMPUTING
- 4 FDPS

MR. RITESH KUMAR

- 4 RESEARCH PAPERS
- SWAYAM NEPTEL CERTIFICATION IN DATA SCIENCE USING PYTHON
- CO-ORDINATOR FOR FDP “ RESEARCH METHODOLOGY FOR ENGINEERING, SCIENCE AND MANAGEMENT”
- 10 FDPS

MS. MEENU

- 3 RESEARCH PAPERS
- ASSISTANT TO CO-ORDINATOR FOR FDP “ RESEARCH METHODOLOGY FOR ENGINEERING, SCIENCE AND MANAGEMENT”
- 7 FDPS

MRS KRISHAN KUMAR

- 1 RESEARCH PAPER
- 1 FDPS

- 1 RESEARCH PAPER
- 1 FDPS

MS DIMPY

- 1 RESEARCH PAPER
- 1 FDPS

MRS ANKUR JAIN

EDITORIAL BOARD



**PROF. (DR.) ARCHANA KUMAR
(FACULTY INCHARGE)**



**MS. MEENU
(FACULTY CO-INCHARGE)**

STUDENTS EDITORS

FARHAN MANZER(2 YEAR AI&DS)

PALLAVI VERMA (2 YEAR AI&DS)

JYOTI (3 YEAR AI&DS)

KASAK (3 YEAR AI&DS)

