



DATA DIVE

DEPARTMENT OF B.TECH CSE- AI&DS

NEWSLETTER

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DEPARTMENT

VISION

To achieve high. quality in Technical Education that provides the skills and attitude to adapt to the global needs of the Data Science and Analytics sector, through academic and research excellence.

MISSION

M1: To equip the students with the cognizance for problem solving and to improve the teaching learning pedagogy by using innovative techniques.

M2: To strengthen the knowledge base of the faculty and students with motivation towards possession of effective academic skills and relevant research experience.

M3: To promote the necessary moral and ethical values among the engineers, for the betterment of the society.

PROGRAM OBJECTIVES

ANALYTICAL SKILLS:



To facilitate the graduates with the ability to visualize, gather information, articulate, analyze, solve complex problems, and make decisions. These are essential to address the challenges of complex and computation intensive problems increasing their productivity.

TECHNICAL SKILLS:

To facilitate the graduates with the technical skills that prepare them for immediate employment and pursue certification providing a deeper understanding of the technology in advanced areas of computer science and related fields, thus encouraging to pursue higher education and research based on their interest. [inder here.](#)



SOFT SKILLS:



To facilitate the graduates with the soft skills that include fulfilling the mission, setting goals, showing self-confidence by communicating effectively, having a positive attitude, get involved in team-work, being a leader, managing their career and their life.

PROFESSIONAL ETHICS:

To facilitate the graduates with the knowledge of professional and ethical responsibilities by paying attention to grooming, being conservative with style, following dress codes, safety codes, and adapting to technological advancements.



PROGRAM SPECIFIC OUTCOMES (PSOs)

1

PSO1: Fundamentals and critical knowledge of the Computer System and Data Analytics:

Able to Understand the working principles of the computer System and its components , Apply the knowledge to build, asses, and analyze the software and hardware aspects of it .

2

PSO 2: The comprehensive and Applicative knowledge of Software Development:

Comprehensive skills of Programming Languages, Software process models, methodologies, and able to plan, develop, test, analyze, and manage the software and hardware intensive systems in heterogeneous platforms individually or working in teams.

FACULTY EDITOR



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B.Tech, M.Tech

STUDENT EDITOR



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EDITOR



BHAVYA
EDITOR



MANVI
EDITOR

FDP on Modern Data Science, Machine Learning, and Cybersecurity Strategies



The Department of CSE AI&DS (Infomaniac Club) organized The One Week Faculty Development Program (FDP) on Modern Data Science, Machine Learning, and Cybersecurity Strategies was held from 15th to 19th July 2024 at G-Block 2nd Floor, Seminar Hall, PIET. The FDP was graced during the inauguration sessions by the presence of several distinguished guests:

- Mr. Sunil: President-Elect of IETE and Vice President of the Asia Pacific Broadcasting Union. He is also the President of BES (1) and a former Additional DG at Prasar Bharati, New Delhi.
- Dr. Ravindra Singh: Directorat DRDO, New Delhi.
- Ms. Pooja Kumari: Founder/Director of Innove Intellects LLP.

The FDP provided a valuable opportunity for faculty members to update their knowledge and skills. The sessions were conducted by experts from various academic and industry backgrounds, ensuring a diverse range of perspectives and practical insights.

FDP on Data Science, Machine Learning and Generative AI



The One Week Faculty Development Program (FDP) on Data Science, Machine Learning, and Generative AI was held from 12th to 17th Aug 2024 at G-Block 2nd Floor, Seminar Hall, PIET. The program aimed to provide faculty members with the latest knowledge and skills in these rapidly evolving fields.

The program concluded on Day 5 with sessions Advanced Machine Learning Techniques, Ethics and Data Governance in AI and a valedictory session. In the end, the certification of completion was provided to the faculty members who were having more than 75 % attendance. The FDP provided a valuable opportunity for faculty members to update their knowledge and skills. The sessions were conducted by experts from various academic and industry backgrounds, ensuring a diverse range of perspectives and practical insights.

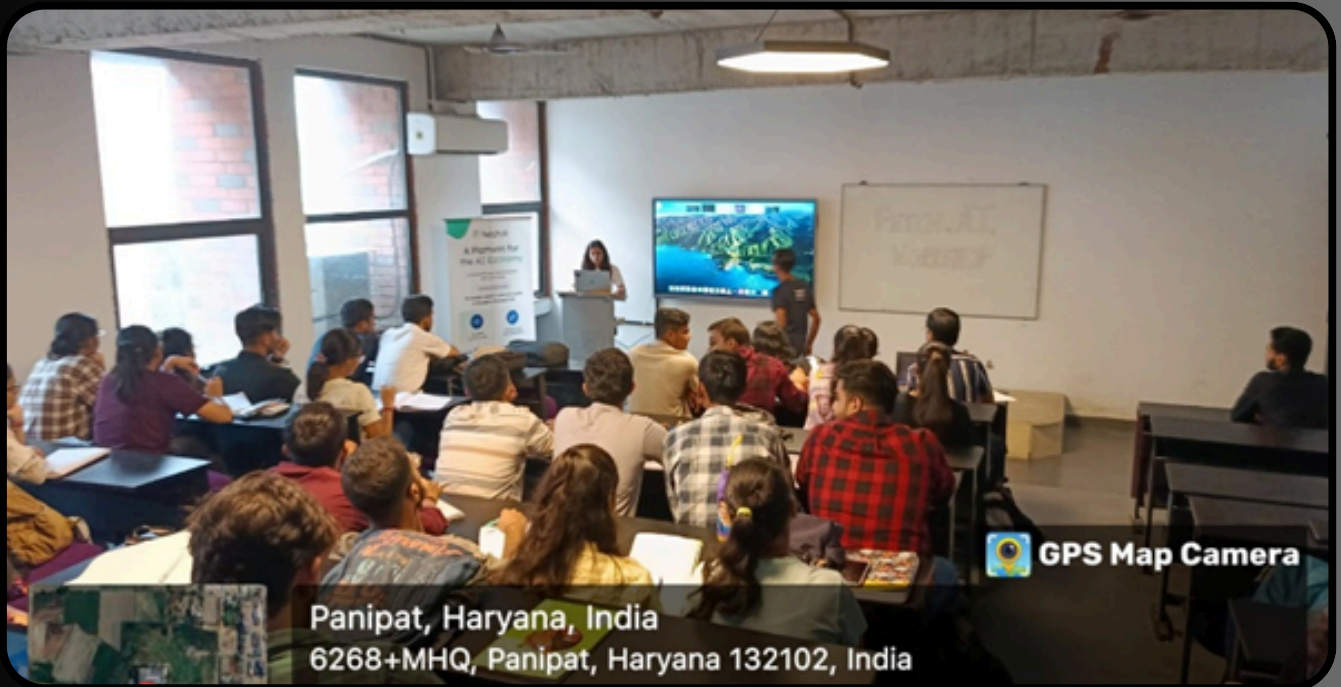
Expert Lecture on LinkedIn Mastery



The expert lecture “LinkedIn Mastery: Elevate Your Personal Brand” was organized on August 30, 2024, to help students optimize their LinkedIn profiles and enhance their professional presence. In this session 58 students participated. The session provided step-by-step guidance on crafting a compelling LinkedIn profile, including tips on creating an attention-grabbing headline, writing a persuasive summary, and highlighting skills and experience effectively. The lecture covered content creation techniques to increase engagement on LinkedIn, with a focus on sharing valuable insights, writing posts and articles, and utilizing multimedia. A

The event, driven by third-year CSE AI & DS students Moaksha and Jigyanshu, was supported by faculty members Dr. B.K. Verma (HOD, CSE AI & DS), Ms. Mitu Sehgal, and Ms. Hemlata. It equipped students with practical skills to build a strong personal brand, grow their networks, and gain confidence in using LinkedIn as a powerful tool for career advancement.

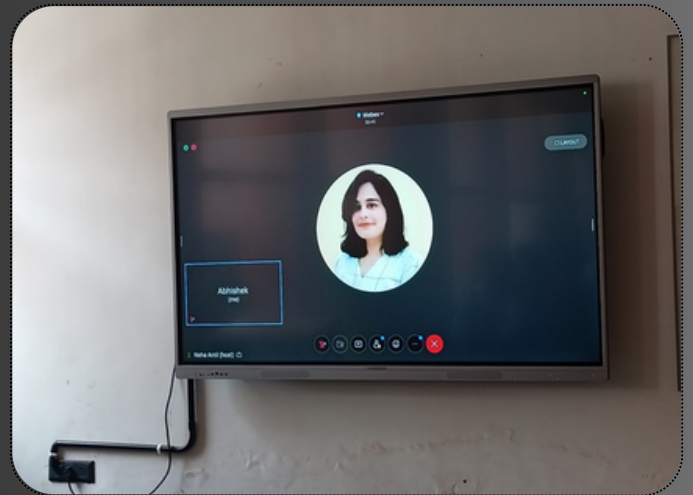
Expert Lecture -Fetch AI



The CSE-AI&DS department organized an engaging workshop on Fetch.AI on September 13, 2024, featuring Mr. Gautam Manak (Developer Advocate @Fetch.AI) and Ms. Ananya Rao (Incoming SWE Fellow @Headstarter AI) as esteemed speakers. Ms. Ananya introduced the fundamentals of AI, discussing its trends and future applications across industries. Mr. Gautam covered advanced topics like autonomous agents (Agents101), Fetch.AI technology, uAgents, and promoted Fetch-A-Thon 2.0, encouraging student participation.

The workshop aimed to inspire students with knowledge of AI and autonomous agents while fostering innovation through active engagement in the Fetch-A-Thon. In this session 53 students participated. The event concluded with Dr. B.K. Verma, Mr. Abhishek, and Ms. Jyoti thanking and honoring the speakers for their valuable insights. The workshop left students motivated and equipped with a deeper understanding of AI and its transformative potential.

Infosys Springboard CAMPUS CONNECT



The Department of CSE (AI & DS) at PIET conducted an online webinar, “Infosys Springboard – CAMPUS CONNECT,” on October 1, 2024, during the academic year 2024–2025. The webinar aimed to introduce students to the Infosys Springboard portal, enable interaction with industry experts, and provide career guidance while promoting skill development. Neha Antil from Infosys Chandigarh DC delivered an insightful session, offering valuable insights into Infosys’ culture, values, and career opportunities. Students were guided through the portal registration process.

The session benefited students by providing exposure to the Infosys portal, career guidance, and insights into new technologies. The webinar, organized by the B.Tech CSE AI & DS department, had 78 student participants and incurred no expenditure.

Expert Lecture on Generative AI



The department of CSE – AI&DS organized a seminar on “Future-Proof Yourself in the Generative AI Era” on October 12, 2024 from 11:30 am to 1:00 pm. The session began with Mr. Sanjiv Venkatram, CEO of Prudentia Consulting, who introduced his health-focused project, followed by Mr. Shukla’s talk on the impact of Generative AI on the job market. Mr. Shukla discussed crucial topics such as the current job market trends, the impact of AI on employment, and strategies for future-proofing careers in an AI-driven world.

He emphasized the importance of continuous learning, developing AI competencies. In this seminar 45 students and 2 faculties participated. The event concluded with an interactive Q&A session, where Mr. Shukla encouraged students to embrace AI as a tool and focus on areas where human skills complement AI.

Data Science Bootcamp



The CSE-AI&DS department organized an expert lecture, "Data Science Bootcamp: Practical Tools for Real-World Applications," on October 16, 2024. The session featured Mr. Tanay Kishore Mishra, AI Consultant at AppSquadz Software Pvt Ltd, Noida, as the esteemed speaker. The event began with a warm welcome by coordinators Ms. Hemlata and Ms. Anju Saini. In this session Mr. Tanay emphasized bridging the gap between theory and practice, introducing tools, techniques, and workflows for data analysis, machine learning, and data-driven decision-making. Participants gained practical skills in data cleaning.

In this session 55 students participated. The lecture concluded with Dr. B.K. Verma (HOD, CSE-AI&DS), along with the coordinators, thanking the speaker and presenting a token of appreciation. The event equipped participants with valuable insights and skills applicable across industries like finance, healthcare, and retail.

Creative Hands

Mehndi & Nail Art Competition



The Department of CSE AI&DS organized the “Creative Hands – Mehndi & Nail Art ” competition on October 18, 2024 from 1:30 PM to 3:30 PM at B Block, 3rd floor, with 32 enthusiastic participants and 2 Faculty Members. The objective of this event is to provide a comprehensive overview of the Creative Hands Mehndi and Nail Art Competition, which aimed to encourage artistic expression and foster creativity among participants. The competition concluded with cash prizes for the top three winners, along with certificates. The winners were:

Mehndi competition

1st position : Ravita(bcom hons)

2nd position : Tanya(MCA)

3rd position : Mohit (BCA)

Nail art competition

1st position : Muskan (BBA)

2nd position : Naina(BCA) , Nidhi(BBA)

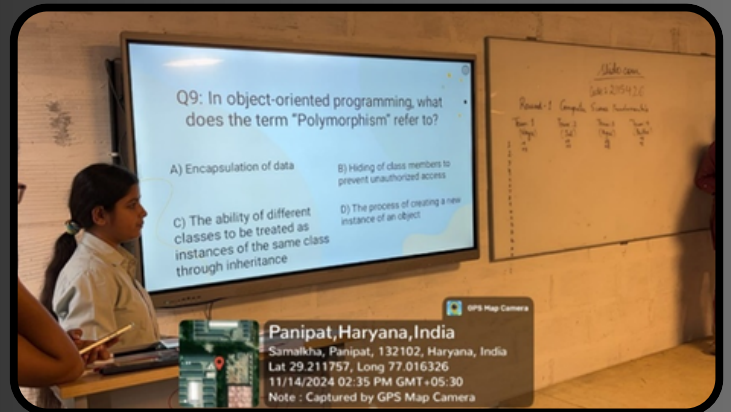
Workshop on Data Structure & Algorithm



The Department of CSE (AI & DS) organized a hands-on workshop on “Data Structures and Algorithms” on October 25, 2024, aimed at strengthening students' understanding of core concepts in data structures and algorithmic problem-solving. The session, led by industry experts from Accio.Job, including Co-Founder Mr. Harsh Sharma and a Software Engineer Team Lead, offered an interactive and practical learning experience. The workshop focused on foundational skills, real-world applications, and effective algorithmic thinking.

In this session 60 students participated. Distinguished guests and faculty, including Dr. Shally, Ms. Hemlata, and Ms. Aarti Chahal, supported the event, alongside student coordinators Aryan (3rd year), Bhavya Kaushik (3rd year), and Akshat (2nd year). The workshop inspired students to excel in tech, equipping them with practical skills and confidence to address academic and professional challenges.

The Firewall Faceoff quiz



The Department of CSE AI&DS (Infomaniac Club) organized The Firewall Faceoff quiz competition on November 14, 2024 from 1:15 PM to 4 PM at B Block, 3rd floor, with 32 enthusiastic participants. The event featured four rounds designed to test technical knowledge, problem-solving, and quick thinking:

The competition concluded with trophies and cash prizes for the top three teams, along with participation certificates for all attendees. The winners were:

- 1) Team Vayu (Arpita, Vivek, Anant).
- 2) Team Prithvi (Jai, Harshvardhan, Nancy).
- 3) Team Jal (Gungun, Aryan, Pushp).

The event was a success thanks to the guidance of Dr. B.K. Verma (HOD-CSE AI&DS), and the efforts of faculty members Ms. Anisha Grover, Mr. Abhishek, Ms. Hemlata, and the student coordinators. The quiz fostered technical expertise and a competitive spirit among participants.

An Alumni Talk On From Campus to Career



The Department of CSE AI&DS (Infomaniac Club) successfully organized an alumni talk: From Campus to Career on December 04, 2024 from 10 AM to 11 AM at G Block, 3rd floor, with 91 enthusiastic participants. The guest speaker, Deepanshu, an alumnus of BTech CSE AI&DS and a skilled AR/VR 3D artist at Digital Jalebi - Experiential and Design Studio, delivered an engaging and insightful talk to students, focusing on bridging the gap between academic learning and professional life.

The session also highlighted how personal branding and continuous learning can elevate one's career prospects. Deepanshu motivated students to explore emerging technologies, focus on skill enhancement, and approach the job market with confidence and preparation. The event, facilitated by faculty coordinators Ms. Jyoti Dahiya and Mr. Harkesh and student coordinators Bhavya Kaushik and Ishita, was a significant learning experience, leaving students inspired and better equipped to transition smoothly from academics to their professional journeys.

Faculty Achievement

- Dr. B.K. Verma and Ms. Mitu Sehgal patent entitled "Smart Air Purifier," was published in December 2, 2024.
- Ms. Mitu Sehgal published a patent entitled "Method and Preparation Therof for an argumented Reality platform featuring Interactive content deliver," on October 25, 2024.
- Mr Abhishek Gulia, Assistant Professor qualified for the NET exam in 2024.
- Ms. Hemlata published a paper entitled "Study and Implementation of hand Digits Recognition using convolotional Neural Networks " in the International Journal for research in technological studies in 2024 (ISSN:2348-1269).

Student Achievement

- Akshit, Roll No. 2821443 got First Position in SIH, Kolhapur in 2024.
- Moaksha Mehta, Nancy, Lakshay, Jigyanshu and Ritika, Roll No- 2822539, 2822523, 2822576, 2822540, 2822548 got 4th Position in Pickle AI Hackathon held at SGT University ,Gurugram in Sep 2024.
- Satyam, Roll no. 2822527 participated in Football Competition in World University of Design, Sonipat in 2024.