

CODEPULSE



Welcome to the July to December 2024 Edition of the CST Department Newsletter! We're thrilled to bring you another exciting year of innovation, achievement & student excellence—both in the classroom and beyond. Dive in to explore the milestones, memories & momentum that define the spirit of CST!

VISION

To produce globally competent professionals in Computer Science & Technology driving innovations, upholding ethical practices & contributing to societal progress.

MISSION

M1. To establish a robust foundation in computer science and technology concepts, covering core areas such as algorithms, data structures, programming and cutting-edge fields like artificial intelligence, data science, and cybersecurity.

M2. To foster analytical and problem-solving skills, enabling students to design and implement efficient, scalable solutions for complex technological challenges through hands-on experience and real-world applications.

M3. To instill ethical practices and sustainability in technology development, preparing students to be responsible innovators who contribute to both technological advancement and societal well-being.



EVENTS



DR. AKHILESH DAS GUPTA
INSTITUTE OF PROFESSIONAL STUDIES
(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)
FC-26, Shaastri Park, Delhi - 110 053
Approved by AICTE & BCI and Affiliated to GGSIPU
www.adgips.ac.in || +91 11 49905900-99



DEPARTMENT OF
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
AND
DEPARTMENT OF
COMPUTER SCIENCE & TECHNOLOGY
are organizing the industrial visit to
**COUNCIL OF SCIENTIFIC AND INDUSTRIAL
RESEARCH**

Date - October 1, 2024
Time - 9 A.M.



Explore the Future of
Science: Discover, Learn,
and Innovate at CSIR-
National Physical
Laboratory



#ShapingGenerations



INDUSTRIAL VISIT

The Department of CST had organized an industrial visit on 05th November 2024 to Deenbandhu Chhotu Ram University of Science and Technology for the students of CST.

Students explored 3D printing, laser printing, and PCB design through an in-depth learning session. The program enhanced their technical understanding, provided industry insights, and equipped them with practical skills for future opportunities.

INDUSTRIAL VISIT

Department of Computer Science & Technology along with AIML Department had organized an industrial visit on 1st Oct 2024 to Council of Scientific And Industrial Research-National Physical Laboratory (CSIR-NPL).

Students gained in-depth knowledge about cutting-edge scientific research and its applications in industry. The visit aimed to inform students about career opportunities and the growing scope in scientific research and industrial applications. The experience included demonstrations of advanced scientific instruments and experiments by experienced researchers.

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DEPARTMENT OF
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
AND
DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY
Organizes
INDUSTRIAL VISIT
AICTE IDEA LAB

5th November 2024
Tuesday

DCRUST, Murthal
Sonapat, Haryana

#ShapingGeneration

STUDENTS' PARTICIPATION



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FC-26, Shastri Park, Shalada, Delhi 110053



HackwithMAIT 5.0



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HACKWITHMAIT 5.0

Students of CST Department Satyam Raj, Shivam Naithani, Deepesh Jain & Mohd Adeb participated in HackwithMait 5.0 organized by Maharaja Agrasen Institute of Technology, Delhi held from 24th to 26th October 2024.

TECHXCELERATE 3.0

Vani Jain, Avantika Padhi of CST department completed the project assignment of TechXcelerate 3.0 organized by the namespace Community in October 2024.



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SMART INDIA HACKATHON 2024



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SMART INDIA HACKATHON 2024

Students of CST Department Satyam Raj, Palak Pachori, Deepesh Jain, Mukul Kumar, Shivam Naithani and Adeb participated in the Smart India Hackathon in 2024.

HacknChill 2024

Gunjan Gupta student of CST department, participated in HacknChill 2024 organized by GDGC ADGIPS from 25th April, 2024 to 27th April, 2024.



FACULTY ACHIEVEMENTS

PAPER PUBLICATIONS

- A. Sharma, S. Bhatia and A. Verma, "Weather Monitoring and Cloudburst Prediction Based on Machine Learning Algorithms: An Initiative Towards Disaster Management" In: Swaroop, A., Kansal, V., Fortino, G., Hassanien, A.E. (eds) Proceedings of Fifth Doctoral Symposium on Computational Intelligence. DoSCI 2024. Lecture Notes in Networks and Systems, vol 1085. Springer, Singapore, 2024, doi: 10.1007/978-981-97-6726-7_47.
- P. Khattar, S. Mishra, R. Tanwar, A. Verma and S. Bhatia, "Decoding Information: A Dual Modality Approach for Sign Language Recognition," 2024 International Conference on Computing, Sciences and Communications (ICCSC), Ghaziabad, India, 2024, pp. 1-5, doi: 10.1109/ICCSC62048.2024.10830364.
- S. Gupta, S. Adhikari, M. S. Zaid, A. Verma and S. Bhatia, "Advancements in Facial Image Processing for Human Age and Gender Identification," 2024 International Conference on Computing, Sciences and Communications (ICCSC), Ghaziabad, India, 2024, pp. 1-5, doi: 10.1109/ICCSC62048.2024.10830330.

FDP'S ATTENDED

- Dr. Suman Bhatia attended NITTTR Faculty Development Program on 'Cryptography & Network Security' from 16th July 2024- 20th July 2024 .
- Dr. Suman Bhatia organized and attended NITTTR Faculty Development Program on 'OpenCV for Image & Video Processing Application' from 22nd July 2024- 26th July 2024 .
- Ms. Shaily Sharma attended Faculty Development Program on "Innovative Applications and Ethical Considerations of Artificial Intelligence in Modern Research" at BHAGWAN PARSHURAM INSTITUTE OF TECHNOLOGY from 25th November 2024 to 30th November 2024.



MAJOR RECRUITERS



UPCOMING EVENTS

- **INDUSTRIAL VISIT**
- **PRESENTATIONS**
- **GROUP DISCUSSIONS**
- **TECHNICAL WRITING**
- **LEARNOVATE TRAINING**
- **FACULTY DEVELOPMENT PROGRAMS**

TEAM IN-VISION

**MS. SHAILY SHARMA (ASSISTANT PROFESSOR)
EDITOR IN CHIEF**

**SHATAKSHI GUPTA (01215612723)
[CST DEPARTMENT]**