



## Computer Science and Engineering



**Dr. Harish Patidar**  
Head of the Department

As we approach the final stretch of this academic term, I extend my heartfelt encouragement to all students preparing for their upcoming examinations. This is a time to channel your dedication, focus, and perseverance toward achieving your best. Remember, exams are not just a measure of knowledge but an opportunity to showcase the hard work you have put in throughout the semester. Stay positive, manage your time well, and approach each challenge with confidence—you are capable of great success!

I also take immense pride in congratulating our esteemed faculty members who have contributed to the academic world through their research papers presented at prestigious conferences. Your commitment to innovation and knowledge-building not only enhances the reputation of our department but also inspires the next generation of thinkers and problem solvers. Your achievements serve as a testament to the vibrant intellectual culture we foster at CSE.

Lastly, I urge everyone—students and faculty alike—to embrace a positive attitude in all aspects of life. Challenges and setbacks are part of the learning journey, but it is resilience and optimism that define our path forward. Let us continue to support one another, collaborate with enthusiasm, and maintain a mindset that nurtures growth and excellence.

**April 2025  
Volume - 2  
Issue - 4**

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## Computer Science and Engineering

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Khabiya  
Editor**



**Ms. Reshma  
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- 

### Student Editorial Board



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Editor

# **National Conference on Innovative Engineering and Computational Technologies (NCIECT-2K25)**

The Department of Computer Science & Engineering (CSE), in collaboration with Computer Science & Applications (CSA), Mechanical Engineering, and Electrical Engineering, successfully organized the National Conference on Innovative Engineering and Computational Technologies (NCIECT) from April 24th to 26th, 2025.

The conference provided a valuable opportunity for our department's faculty and students to interact with leading experts from across the nation, fostering collaborations and inspiring future research endeavors. The success of NCIECT 2025 underscores the innovative spirit and academic excellence within our department and the collaborating engineering disciplines.



## **Advisory Committee**

Chief Patrons **Shri Narendra Nahata** Hon'ble Chancellor, Mandsaur University **Shri Rahul Nahata** Hon'ble Executive Chancellor, Mandsaur University, **Shri Somil Nahata** Trust member Mandsaur University Patrons **Prof. (Dr.) V.S.S. Kumar** Hon'ble Vice-Chancellor, Mandsaur University Co- Patrons Prof. **(Dr.) Arunava Das** Dean of Academics Affairs, Mandsaur University Dean Student Affairs **Mr. Ashish Parikh** Registrar, Mandsaur University

## **Organising Committee**

Organizing Secretary **Dr. Nilesh Jain** (CSA Department), **Dr. Harish Patidar** (CSE Department), **Dr. Virendra Jain** (EEE Department), **Mr. Kamal Ojha** (Mechanical Department).

## **Coordinator(s)**

**Prof. Dr. Firoj Parwej** (CSE Department), **Dr. Parth Gautam** (CSA Department), **Dr. Manish Jain** (EE & EL Department), and **Dr. Kashi Raja Rao** (Mechanical Department).

## **Best Paper Presenter Award**

**The Best Paper Presenter Award in Faculty category at the conference was given to Mr. Prabhat Kumar Singh and Ms. Priyanka Parihar for their paper.**

**The Best Paper Presenter Award in student category at the conference was given to Mr. Farhan Khan, 6th semester, and Ms. Saloni Panwar from second year.**

## **Tracks and session Chair and coordinator**

Day 1- The session Chair was **Dr. Pradeep Laxkar** and track coordinator was **Ms. Priyanka Parihar**  
Day 2(Morning) - The session chair was **Dr. Kshitij Pathak** and coordinator was **Mr. Shravan Kumar Sharma**

Day2 (Afternoon)- session chair was **Dr. B.K. Sharma** and the coordinator was **Mr. Pankaj Modi**

Day3- The session chair was Prof. **Dr. Firoj Parwej** and the coordinator was **Mr. Dinesh Salitra**

# Highlights of Conference



# Paper Presented by Department

Sr. No.	Author	Paper titled
1	Mr. Prabhat Kumar Singh, Yashika Mathura,Dr. Harish Patidar, Tanveer Hussain	Sentiment Analysis in Maithili Language Using Naïve Bayes Approach
2	Prof. Dr. Firoj Parwej, Shrawan Kumar Sharma	Revolutionizing Food Processing: The Synergistic Application of Artificial Intelligence (AI) and the Internet of Things (IoT)
3	Ms.Priyanka Khabiya ,Prof.Dr. Firoj Parwej	A Comprehensive Review: Advances in Deep Learning for Lung Disease Diagnosis Using Medical Imaging
4	Mrs.Priyanka Parihar,Prof.Dr.Firoj Parwej	Advancements in Deep Learning for Detecting and Diagnosing Diseases in Black Gram Crops: A Comprehensive Review of Techniques
5	Mrs.Yashika Mathur , Mr. Prabhat Kumar Singh,Dr. Harish Patidar,Wasim Ansar	Word Sense Disambiguation System for Maithili Language Using Support Vector Machine
6	Ms. Gaytri Dhakd, Dr. Harish Patidar,Mr. Prabhat Kumar Singh	Swarm Optimization with Load Balancing in Cloud Computing
7	Ms. Nidhi Sharma , Mr. Prabhat Kumar Singh,Dr. Harish Patidar	A Parts of Speech Tagger for Maithili Language Using Artificial Neural Network
8	Ms. Reshma Bhinde,Dr. Harish Patidar	Mango Leaf Disease Detection Using Deep Learning: A Comprehensive Review
9	Priyanka Mangal,Dr. Harish Patidar	Performance Evaluation of Machine Learning Classifiers with Minimal Attributes for Mental Illness Prediction
10	Deepak Kumar Mehta,Prof.Dr. Firoj Parwej	Deep Learning Techniques for the Segmentation and Classification of Glaucoma
11	Sanjay Bohra,Prof.Dr. Firoj Parwej	ANN Model for Image Classification on MNIST Dataset
12	Srashti Farkya,Ms.Priyanka Khabiya	Foundation Models and Their Transformative Impact on Machine Learning
13	Riddhima Kushwah,Ms. Priyanka Khabiya	Enhancing Gene Editing Precision and Safety: The Role of Artificial Intelligence in Advancing CRISPR Technology
14	Varda Hanwant ,Ms. Priyanka Khabiya	Digital Immortality through AI and Neuroscience: A Comprehensive Review on Consciousness Preservation
15	Sania Belim, Prof.Dr. Firoj Parwej	Exploring Edge Computing in the IoT: System Design, Real-World Applications, and Challenges
16	Lavish verma ,MOH. Asim, Ms.Priyanka Khabiya	Emerging Trends in Foundation Models and Large Language Models
17	Rehan Khan ,Moh.Amirt,Prof.Dr.Firoj Parwej	A Comprehensive Review of Data Science Approaches for Decoding Medical Language in Clinical Text Analysis
18	Priyani Patidar ,Vandana Prajapati,Ms.Priyanka Khabiya	Light Fidelity (Li-Fi): A Review of Next-Generation Wireless Communication
19	Saloni Panwar,Ms.Priyanka Khabiya	Comparative Analysis of CNN and Traditional Machine Learning Algorithm for Image Classification.
20	Rizwan Khan, Farhan Mew, David O Johnson	Fatigue crack segmentation of steel bridges using deep learning models - a comparative study.

# Highlights of April 2025

## Faculty Training Program on Outcome Based Education and GNUMS

The Department of CSE conducted a faculty training program on Outcome-Based Education (OBE) and GNUMS for faculty members on April 12, 2025. Dr. Harish Patidar was the resource person for the training program, which had a total of 15 participants. During the program, the trainer taught question bank creation, quiz creation, and content uploading on GNUMS. This will be helpful for students in their exam preparation and will also aid in course attainment.



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## Department of CSE Internal Audit

An internal audit was conducted in the department on April 21, 2025. The audit team, comprising **Dr. Swapnil Goyal** from Pharmacy and **Dr. Prithviraj Singh** from CSA, **Dr. R.P. Shrivastava** from Agriculture reviewed all departmental documentation. They provided feedback on various aspects, including the Board of Studies (BOS), Placements, Faculty Development Programs (FDPs), Syllabus, Faculty Publications, Mid-Semester Test (MST) Result Analysis, Workshops and FDPs, Internships, Student Feedback, Outcome-Based Education (OBE), Training and Guidance System (TGS) records, MOOC Files, NAAC documentation, Academic Workload, Lab Manuals, and Lab Maintenance Records etc. The audit was coordinated by Dr. Harish Patidar (HOD).



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## Faculty Research Presentation Activity

The Department of CSE conducted its series of Weekly Faculty Research Presentations throughout April 2025. Held every Saturday on April 5, 12, 19, and 26, these sessions provided a vital platform for our esteemed faculty members to showcase their latest research advancements and ongoing projects. The presentations covered a diverse range of topics within CSE, highlighting innovative methodologies and their significant implications. This initiative fostered a collaborative environment, stimulating intellectual discourse and encouraging interdisciplinary connections among colleagues. We extend our sincere appreciation to all participating faculty for sharing their valuable insights and contributing to the vibrant research culture of our department.



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# Student's Internship

The Department of Computer Science and Engineering Congratulates Our Students on their Achievements



Eklavya Kumawat  
Internship tech mahindra  
staipend-15000



Utkarsh Singh  
internship tech mahindra  
staipend-15000

## Student's Certifications



Harsiddhi Pathak II sem  
Common Internship Test  
Internship Studio



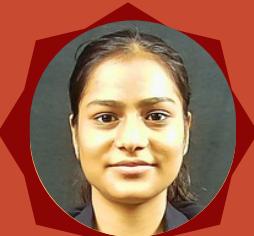
Sona Patidar VI sem  
Build Zomato Clone Using AI  
Workshop Cuvette



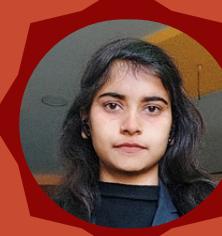
Piyush Rathod II sem  
Data Science and Machine  
Learning by GeeksforGeeks



Dev Bhatt II sem  
22-week of Problem Solving  
(With Summer Workshops)



Tanushka Malpani II sem  
Data Science and Machine  
Learning by GeeksforGeeks



Prachi Shukla, VI sem  
Data Analytics Job Simulation  
Deloitte



Rajkunwar Dodiya II sem  
Data Science and Machine  
Learning by GeeksforGeeks



Yashvika Bairagi II sem  
Data Science and Machine  
Learning by GeeksforGeeks



Hannan Khan II sem  
22-week of Problem Solving  
(With Summer Workshops).

# Infosys Pragati Path Cohort 3

Department of CSE Congratulates Students for Completing Infosys Springboard's "Pragati Path" (Cohort 3) Program.



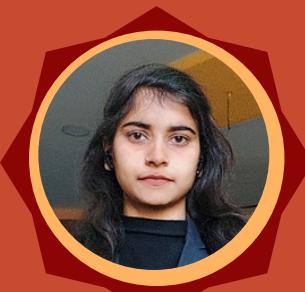
**Priyanka Khabiya**  
Assistant Professor



**Divyanshi Suthar**  
VI sem AI



**Vanshika Sharma**  
IV sem CSE



**Prachi Shukla**  
VI Sem AI



**Sona Patidar**  
VI CSE



**Shree Ghatiya**  
IV sem CSE



**Tohida Bee**  
VI sem AI



**Saloni Panwar**  
IV sem CSE



**Harsiddhi Pathak**  
II sem AI

## Big Congrats to Our GATE Achiever!



**Khushi Jain**  
AIR 17750

The Department of Computer Science and Engineering (CSE) proudly congratulates our final-year student, Khushi Jain, for her outstanding achievement in the GATE 2025 examination! Khushi has successfully qualified the highly competitive exam with a commendable score of 31.83% (equivalent to a GATE Score of 377). Her dedication and hard work have truly shone through, earning her an impressive All India Rank (AIR) of 17750 in the Computer Science and Information Technology (CS) test paper.

# Our Cyber Whiz Gurudatt Choudhary Shines Globally!

The Department of Computer Science and Engineering is incredibly proud to congratulate our talented student, Gurudatt Choudhary, for his outstanding achievements in cybersecurity!

Gurudatt recently made headlines by ethically reporting 15+ critical vulnerabilities to the world's largest beverage manufacturer. One of these allowed him full control over their server! For his exceptional work and diligence under their Responsible Disclosure Program, he was rewarded with an exclusive shopping voucher. This incredible feat highlights his advanced skills and ethical hacking prowess.

His expertise isn't just theoretical; Gurudatt also played a key role in developing and maintaining a CTF (Capture The Flag) event for the "Safe Click Abhiyan" organized by Indore Police and Acropolis Institute of Technology, contributing directly to cybersecurity awareness and education.

Adding to his remarkable list of accomplishments, Gurudatt also identified a security misconfiguration on the UK Ministry of Defence website, which was acknowledged with an MoD VDP coin.

Gurudatt's global recognition is truly inspiring – he currently ranks 413 globally among all-time cybersecurity researchers and has secured a spot among the top 50 researchers in 2025 on the Intigriti leaderboard.

We celebrate Gurudatt's dedication, skill, and the positive impact he's making in the cybersecurity world. Well done, Gurudatt!



**Gurudatt Choudhary**  
IV sem



## Faculty Members Achievements

- **Dr. Harish Patidar** (HoD, CSE) and Mr. Brajesh Chaturvedi have published groundbreaking research on "Biomedical NLP based Adaptive Security Framework for Healthcare Data." Their work, crucial for protecting sensitive healthcare information, is available in **IEEE Conference Publication via IEEE Xplore**. This impactful research was noted on April 11, 2025.
- **Mr. Dinesh Salitra** from our department has co-authored a significant paper titled "Machine Learning in Cardiac Surgery: A Systematic Review of ML Techniques, Applications, and the Road Ahead." It has been published in the prestigious **Journal of Neonatal Surgery** (Vol. 14, Issue 17s, 2025). This publication highlights his expertise and contribution to cutting-edge research in the field.
- **Mr. Shrawan Kumar Sharma, Ms. Priyanka Parihar, and Ms. Yashika Mathur** 's **copyright** has been registered in IPR India on April 15, 2025, for their pioneering work titled "Blockchain and AI Algorithm Model with Smart Contracts and Trustless Automation in Insurance."

## Upcoming Events

1. Department Advisory Board Meeting (06/05/2025)
2. Midsemester Examination (08/05/2025)
3. PhD Viva (13/05/2025) and (17/05/2025)
4. BOS Meeting (17/05/2025)
5. End Semester examination
6. End Semester examination Practical Viva

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