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# तेजस गणक

Official Newsletter  
Department of Computer Science & Engineering

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- Budding Entrepreneurs
- Faculty and Student Achievements
- Research Updates
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**EDITOR-IN-CHIEF:**  
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MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY, DELHI



# DEPARTMENT

## VISION

To attain global excellence through education, innovation, research, and work ethics in the field of Computer Science and engineering with the commitment to serve humanity.

## MISSION

**M1** To lead in the advancement of computer science and engineering through internationally recognized research and education.

**M2** To prepare students for full and ethical participation in a diverse society and encourage lifelong learning.

**M3** To foster development of problem solving and communication skills as an integral component of the profession.

**M4** To impart knowledge and skills and cultivate an environment supporting incubation, product development, technology transfer, capacity building and entrepreneurship in the field of computer science and engineering.

**M5** To encourage faculty-student networking with alumni, industry, institutions, and other stakeholders for collective engagement.



## Program Educational Objectives (PEO)

**PEO1:** Graduates will work alongside top institutions and researchers, dedicating themselves to lifelong learning and social responsibility. (M1, M2)

**PEO2:** Graduates will exhibit outstanding communication skills and the capacity to collaborate effectively within diverse teams. (M3)

**PEO3:** Graduates cultivating skills in computer science and engineering contribute to driving innovation, entrepreneurship, and economic growth. (M4)

**PEO4:** Graduates network with stakeholders to contribute to the growth of the department. (M5)

## Program Specific Outcome (PSO)

**PSO1:** Able to explore and apply emerging technologies in computer science such as Artificial Intelligence, Machine Learning, Data Science, etc.

**PSO2:** Able to design, develop and evaluate innovative novel solutions to existing problems which meet the desired needs of industry and society.

**PSO3:** Able to pursue advanced studies, conduct research and development, and cultivate entrepreneurship skills in the modern computing environment.



### FACULTY UPDATES

Faculty members pursuing  
Ph.D.

Mr. Ashish Sharma

Mr. Ajay Kumar Tiwari

Ms. Deepti Gupta

Ms. Garima Gupta

Ms. Karuna Middha

Ms. Kavita Saxena

Ms. Mini Agarwal

Mr. Moolchand Sharma

Ms. Neetu Garg

Ms. Perna Sharma

Ms. Ruchi Goel

Ms. Shallu Juneja

Ms. Zameer Fatima

# MESSAGE FROM HOD



Department of Computer Science & Engineering commits to work towards developing Engineers with a rich blend of competent, technical, managerial and social skills and contribute to nation building. Department places emphasis on all the important aspects of computers such as Computer Networks, Mobile Communication, Algorithm Design, Operating System, Advanced Database Systems, Theory of Computation, Computer Graphics and many more. Department takes the initiative to improve the soft skills, analytical capabilities and verbal communication of the students so that they can face the competition in the corporate world confidently. To meet the objectives, department pays special emphasis on teaching and hands on practical work.

Students exhibit their innovative ideas, skills and potentials as final year projects and have won many awards at National and International levels.

The excellent infrastructure, experienced team of faculty dedicates to strengthen effective teaching learning process ensuring quality education. We believe that this approach to teaching-learning, coupled with practical experience gained during Industrial Training in reputed organizations, equips our students to handle the challenges posed by the IT industry. Students of Computer Science and Engineering are placed with top IT companies. We as a team resolve to take the Department to heights of success and glory and prepare for the forthcoming challenges.

**-Prof. Namita Gupta (HOD, CSE)**

**DEPARTMENT  
INTAKE**

**First Shift: 180  
Second Shift: 60**

The background features a light purple-to-blue gradient. In the top-left and bottom-right corners, there are clusters of overlapping geometric shapes, including squares and triangles, in various shades of purple and blue. Scattered across the background are several faint, rounded square outlines in a light purple color.

# **PLACEMENTS (2023)**

# PLACEMENTS( 2019-2023) BATCH

| COMPANY                | TOTAL STUDENT PLACED | COMPANY                                | COMPANY |
|------------------------|----------------------|--|---------|
| Adobe                  | 1                    | Infosys (InfyTQ)                       | 10      |
| Accenture              | 35                   | InsuranceDekho                         | 2       |
| Adobe                  | 1                    | Intervue                               | 1       |
| Amazon                 | 6                    | IONTrading                             | 1       |
| Biz2credit             | 3                    | Krishify                               | 1       |
| Cardekho-Rupyy         | 8                    | Kylo apps(intern)                      | 2       |
| Cognizant              | 33                   | Libsys                                 | 4       |
| Corevalue Technologies | 6                    | Josh Technologies (Front-end)          | 2       |
| Deloitte               | 7                    | Krishify                               | 1       |
| DeltaX                 | 1                    | Kylo apps(intern)                      | 2       |
| Freecharge             | 1                    | Libsys                                 | 4       |
| FreeStand              | 1                    | Lowe's India                           | 2       |
| Goldman Sachs          | 2                    | Microsoft                              | 2       |
| Google (intern)        | 1                    | Polestar Solutions                     | 9       |
| Hexaware Technologies  | 6                    | Josh Technologies (Software Developer) | 1       |
| Hono.ai                | 1                    | Posist Technologies                    | 2       |
| Hono.ai 2.0            | 1                    | SHL                                    | 3       |
| Info Edge              | 5                    | Sopra Banking                          | 2       |
| Infosys                | 24                   | Sopra Steria                           | 3       |
| TCS                    | 3                    | ZS Associates                          | 26      |
| ZoomRX                 | 4                    |  |         |



# TOP PLACEMENTS (2019-2023) BATCH



**Tanisha Jain**  
02114802719, CSE  
Microsoft  
Package 52 LPA



**Prachi Bansal**  
36614802719, CSE  
Microsoft  
Package 51.93 LPA



**Syeda Reeha Quasar**  
14114802719, CSE  
Google  
Package 48 LPA



**Santushti Sharma**  
10314802719, CSE  
Amazon  
Package 46 LPA



**Vidushi Tyagi**  
36814802719, CSE  
Adobe  
Package 42 LPA



**Ishaan Dhull**  
214802719, CSE  
Knowledge Tree-  
Career Launcher  
Package 36 LPA



**Ria Monga**  
13514802719, CSE  
Intuit  
Package 41.5 PA



**Anshika Agrawal**  
01396402719, CSE  
Goldman Sachs  
Package 24LPA



**Harshit Mittal**  
06714802719, CSE  
Amazon  
Package 33 LPA



**Ashish Papanal**  
02314802719, CSE  
Amazon  
Package 32 LPA



**Apoorv Dwivedi**  
01196402719, CSE  
Intervue  
Package 26 LPA



**Dakshay Sachdeva**  
03214802719, CSE  
Amazon Package 26 LPA



**Udit Agarwal**  
12914802719, CSE  
Amazon  
Package 26 LPA



**Megha Gupta**  
35414802719, CSE  
Goldman Sachs  
Package 24 LPA



**Anupam Gupta**  
00196407220, CSE  
FI Money  
Package 22LPA



**Pranjal Gupta**  
01896402719, CSE  
BNY Mellon  
Package 21.64 LPA



**Aayushi Mittal**  
21114802719, CSE  
Adobe  
Package 21 LPA



**Disha Bhardwaj**  
35396402719, CSE  
Lowe's Package  
18.36 LPA



**Sahil Chawla**  
5914802719, CSE  
Josh Technologies  
Package 17.4 LPA



**Shobhit Kumar**  
7614802719, CSE  
Josh Technologies  
Package 14.75LPA



**Ankit Gool**  
296402719, CSE  
Josh Technologies  
Package 14.75LPA



**Shubhang Sharma**  
36714802719, CSE  
ZS Associates  
Package 13.65 LPA



**Kriti Mukhija**  
35314802719, CSE  
ZS Associates  
Package 13.65 LPA



**Chaitanya Vishnu  
Bhatt**  
12514802719, CSE  
ZS Associates  
Package 13.65 LPA



**Shrey Bishno**  
12014802719, CSE  
ZS Associates  
Package 13.65 LPA

# TOP PLACEMENTS (2019-2023) BATCH



**Mayank Parashar**  
11614802719, CSE  
ZS Associates  
Package 13.65 LPA



**Gaurav Gulati**  
11214802719, CSE  
ZS Associates  
Package 13.65 LPA



**Kanaishk Garg**  
7714802719, CSE  
ZS Associates  
Package 13.65 LPA



**Saurav Raj**  
7514802719, CSE  
ZS Associates  
Package 13.65 LPA



**Prakhar Sharma**  
4114802719, CSE  
ZS Associates  
Package 13.65 LPA



**Akshit Mehra**  
2914802719, CSE  
ZS Associates  
Package 13.65 LPA



**Kashika Jain**  
2714802719, CSE  
ZS Associates  
Package 13.65 LPA



**Shrishty Jain**  
1914802719, CSE  
ZS Associates  
Package 13.65 LPA



**Kunal Girdhar**  
1714802719, CSE  
ZS Associates  
Package 13.65 LPA



**Chirag Shangle**  
1614802719, CSE  
ZS Associates  
Package 13.65 LPA



**Anvi Aggarwal**  
41996402718, CSE  
ZS Associates  
Package 13.65 LPA



**Amrita Pandey**  
20814802719, CSE  
ZS Associates  
Package 13.65 LPA



**Tarun Kumar**  
13614802719, CSE  
ZS Associates  
Package 13.65 LPA



**Abhishek Jain**  
10714802719, CSE  
ZS Associates  
Package 13.65 LPA



**Trijal Bhardwaj**  
12614802719, CSE  
ZS Associates  
Package 13.65 LPA



**Saksham Sharma**  
10914802719, CSE  
ZS Associates  
Package 13.65 LPA



**Nikhil Jha**  
3414802719, CSE  
ZS Associates  
Package 13.65 LPA



**Ankit Kumar Verma**  
1596402719, CSE  
ZS Associates  
Package 13.65 LPA



**Suraj Mamgai**  
1514807220, CSE  
Hono.ai  
Package 12 LPA



**Kanishk Bhadauria**  
1214802719, CSE  
ZS Associates  
Package 13.65 LPA



**Hardik Sharma**  
10214802719, CSE  
Amazon QAE  
Package 13 LPA



**Gaurav Chhapliyal**  
1514802719, CSE  
ZS Associates  
Package 13.65 LPA



**Manan Sahni**  
1014802719, CSE  
ZS Associates  
Package 13.65 LPA



**Aparna Jha**  
3914802719, CSE  
ZS Associates  
Package 13.65 LPA



**Ishaan Gupta**  
1696402719, CSE  
Hono.ai  
Package 12 LPA



# TOP PLACEMENTS (2019-2023) BATCH



**Charvi Verma**  
35214807220, CSE  
Codalien  
Package 11 LPA



**Ashish Prakash**  
00296407220, CSE  
Krishify  
Package 10 LPA



**Aarushi Saxena**  
35214802719, CSE  
Krishify  
Package 10 LPA



**Varun Negi**  
13314802719, CSE  
Info Edge  
Package 10 LPA



**Km Shivangi Mishra**  
414807220, CSE  
Info Edge  
Package 10 LPA



**Anuj Dhingra** 130  
14802719, CSE  
Info Edge  
Package 10 LPA



**Siddharth Sharma**  
11114802719, CSE  
Info Edge  
Package 10 LPA



**Km Ishika Mittal**  
00596407220, CSE  
S&P global  
Package 10 LPA



# STUDENTS PURSUING HIGHER EDUCATION

| S.NO. | NAME OF STUDENT<br>(ROLL NO.)         | NAME OF COURSE         | UNIVERSITY  | PLACE   |
|-------|---------------------------------------|------------------------|---|---|
| 1     | <b>Aabhash Pansari</b><br>2414802719  | Masters in management  | University college of Dublin  | <b>Dublin, Ireland</b>                              |
| 2     | <b>Vansh Gupta</b><br>36414802719     | Engineering Management | New York, USA   | <b>Cornell University</b>                           |
| 3     | <b>Gauransh Kumar</b><br>39614802720  | MS in Computer Science | Université Dé Montréal  | <b>Montreal, Canada</b>                             |
| 4     | <b>Ishaan Dhull</b><br>00214802719    | MSc                    | University College London/<br>University of Warwick/University of Leeds/University of Glasgow | <b>London/<br/>Warwick, United Kingdom/Scotland</b> |
| 5     | <b>Parkhi Malhotra</b><br>35596402719 | MS                     | Arizona State University  | <b>Arizona</b>                                      |
| 6     | <b>Pranav Bansal</b><br>02396402719   | MS                     | Heriot Watt   | <b>Scotland</b>                                     |



# **GSSIPU RESULTS (2023)**



# GSSIPU RESULTS (2019-2023)

## TOP 10 ACHIEVERS OF CSE DEPARTMENT

| S.NO. | ENROLLMENT NO. | STUDENT NAME       | PERCENTAGE |
|-------|----------------|--------------------|------------|
| 1     | 35114802719    | GEETIKA JHANJI     | 96.31      |
| 2     | 01814802719    | HARSHIT KATHURIA   | 96.26      |
| 3     | 20114802719    | DAKSH DUDEJA       | 96.19      |
| 4     | 35814802719    | MILI JOLLY         | 96.17      |
| 5     | 03514802719    | MAYANK JAIN        | 95.89      |
| 6     | 07614802719    | SHOBHIT KUMAR      | 95.75      |
| 7     | 02314802719    | ASHISH PAPANAI     | 95.65      |
| 8     | 08614802719    | PIYUSH GUPTA       | 95.56      |
| 9     | 014114802719   | SYEDA REEHA QUASAR | 95.47      |
| 10    | 01514807220    | SURAJ MAMGAI       | 95.44      |



# **FACULTY ACHIEVEMENTS**



# BOOK PUBLICATIONS

| S.No. | Faculty Name  | Title of Book  | Publication Month & Year | Publisher |
|-------|---------------|--|--------------------------|-----------|
| 1     | Yogesh Sharma | Convergence of Blockchain, AI and IoT  | 2023                     | CRC Press |
| 2     | Namita Gupta  | Proceedings of International Symposium on Smart Cities Challenges Technologies and Trends (SCCTT-2023) | 2023                     | CEUR      |
| 3     | Deepak Gupta  | Proceedings of International Symposium on Smart Cities Challenges Technologies and Trends (SCCTT-2023) | 2023                     | CEUR      |
| 4     | Yogesh Sharma | Proceedings of International Symposium on Smart Cities Challenges Technologies and Trends (SCCTT-2023) | 2023                     | CEUR      |

# PAPER PUBLICATIONS JOURNAL

| S.No. | Faculty Name      | Title of Paper  | Publication Month & Year | Journal Name   | URL number  | Type of journal | ISSN of Journal |
|-------|-------------------|---|--------------------------|--|---|-----------------|-----------------|
| 1     | Dr Sudha Narang   | Dispatcher I-Queue Optimization in JoinIdle Queue Algorithm for improved load balancing in Cloud Computing      | 2023                     | Journal of Applied Research and Technology   | <a href="https://jart.icat.unam.mx/index.php/jart">https://jart.icat.unam.mx/index.php/jart</a> | Inter National  | 1665-6423       |
| 2     | Ms. Kavita Saxena | Predict Survival probability for cancer patients using deep learning  | 2023                     | International Journal of Scientific Research in Engineering and Management                             | <a href="https://ijsrem.com">https://ijsrem.com</a>   | Inter National  | 2852-3930       |
| 3     | Ms. Zameer Fatima | Person Identification on from Newspapers and Other Archives in English and Hindi to collect Related Information | 2023                     | International Journal of Artificial Intelligence and Education Technology (IJALET) Vol. 1, No. 1, 2023 | <a href="https://americasp.com/journals/show/27">https://americasp.com/journals/show/27</a>     | Inter National  | 2835-3432       |
| 4     | Ms. Deepti Gupta  | Predict Survival probability for cancer patients using deep learning  | 2023                     | International Journal of Scientific Research in Engineering and Management                             | <a href="https://ijsrem.com">https://ijsrem.com</a>   | Inter National  | 2852-3930       |
| 5     | Ms. Karuna Middha | Aadhar Based Biometric Identification on system for tracking Missing Persons                                    | 2023                     | Iconic Research And Engineering Journals   | <a href="https://www.irejournals.com">https://www.irejournals.com</a>                           | Inter National  | 2456-8880       |
| 6     | Ms. Karuna Middha | Entertainment Content Recommendation System Using Machine Learning  | 2023                     | International Research Journal of Engineering and Technology (IRJET)                                   | <a href="https://www.irjet.net">https://www.irjet.net</a>                                       | Inter National  | 2395-0056       |
| 7     | Mr. Yogesh Sharma | Automated Medical Document verification on Cloud:Blockchain-Based Soulbound Tokens                              | 2023                     | Acta Informatica Pragensia   | <a href="https://aip.vse.cz">https://aip.vse.cz</a>   |                 | 1805-4951       |



| S.No. | Faculty Name     | Title of Paper  | Publication Month & Year | Journal Name  | URL number  | Type of Journal | ISSN of Journal |
|-------|------------------|---|--------------------------|---|---|-----------------|-----------------|
| 8     | Ms. Sakshi Jha   | Blockchain for Improved Water Resource Management   | 2023                     | International Journal for Modern Trends in Science and Technology | <a href="https://www.ijmtst.com">https://www.ijmtst.com</a>   | Inter National  | 2455-3778       |
| 9     | Dr. Deepak Gupta | Edge-Empowered communication based vehicle and pedestrian trajectory perception system for Smart Cities           | 2023                     | IEEE Internet of Things Journal                                   | <a href="https://iee-e-iotj.org">https://iee-e-iotj.org</a>   | Inter National  | 2327-4662       |
| 10    | Dr. Deepak Gupta | A Systematic Review on the Internet of Medical Things: Techniques, Open Issues, and Future Directions             | 2023                     | CMES- Computer Modeling in Engineering & Sciences                 | <a href="https://www.techscience.com/journal/CMES">https://www.techscience.com/journal/CMES</a>   | Inter National  | 1526-1492       |
| 11    | Dr. Deepak Gupta | IoMT-based smart healthcare detection system driven by quantum blockchain and quantum neural network              | 2023                     | IEEE Journal of Biomedical and Health Informatics                 | <a href="https://www.embs.org/jbhi/">https://www.embs.org/jbhi/</a>   | Inter National  | 2168-2208       |
| 12    | Dr. Deepak Gupta | Study on Online Payments and E-Commerce with SOR Model  | 2023                     | International Journal of Retail & Distribution Management         | <a href="https://www.emerald.com/insight/publication/issn/0959-0552">https://www.emerald.com/insight/publication/issn/0959-0552</a>   | Inter National  | 0959-0552       |
| 13    | Dr. Deepak Gupta | A Manifold-level Hybrid Deep Learning Approach for Sentiment Classification using Auto-Regressive Model           | 2023                     | Applied Sciences  | <a href="https://www.mdpi.com/journal/applsci/about">https://www.mdpi.com/journal/applsci/about</a>   | Inter National  | 2076-3417       |
| 14    | Dr. Deepak Gupta | Modified Rat Swarm Optimization with Deep Learning Model for Robust Recycling Object Detection and Classification | 2023                     | Sustainable Energy Technologies and Assessments                   | <a href="https://www.sciencedirect.com/journal/sustainable-energy-technologies-and-assessments">https://www.sciencedirect.com/journal/sustainable-energy-technologies-and-assessments</a> | Inter National  | 2213-1396       |

| S.No. | Faculty Name      | Title of Paper   | Publication Month & Year | Journal Name                                      | URL Number  | Type of Journal | ISSN of Journal |
|-------|-------------------|--|--------------------------|---|---|-----------------|-----------------|
| 15    | Dr. Deepak Gupta  | Sea Turtle Foraging Algorithm with Hybrid Deep Learning based Intrusion Detection in Internet of Drone Environment | 2023                     | Computers and Electrical Engineering              | <a href="https://www.sciencedirect.com/journal/computers-and-electrical-engineering">https://www.sciencedirect.com/journal/computers-and-electrical-engineering</a> | Inter National  | 1879-0755       |
| 16    | Dr. Ashish Khanna | Edge-Empowered communication based vehicle and pedestrian trajectory perception system for Smart Cities            | 2023                     | IEEE Internet of Things Journal                   | <a href="https://iee-iotj.org">https://iee-iotj.org</a>   | Inter National  | 2327-4662       |
| 17    | Dr. Namita Gupta  | ANN-based Structure Peciliaties Evaluation of Polymer Composite reinforced with Unidirectional Carbon Fiber        | 2023                     | Alexandria Engineering Journal                    | <a href="https://www.sciencedirect.com/journal/alexandria-engineering-journal">https://www.sciencedirect.com/journal/alexandria-engineering-journal</a>             | Inter National  | 2090-2670       |
| 18    | Dr. Deepak Gupta  | ANN-based Structure Peciliaties Evaluation of Polymer Composite reinforced with Unidirectional Carbon Fiber        | 2023                     | Alexandria Engineering Journal                    | <a href="https://www.sciencedirect.com/journal/alexandria-engineering-journal">https://www.sciencedirect.com/journal/alexandria-engineering-journal</a>             | Inter National  | 2090-2670       |
| 19    | Dr. Ashish Khanna | ANN-based Structure Peciliaties Evaluation of Polymer Composite reinforced with Unidirectional Carbon Fiber        | 2023                     | Alexandria Engineering Journal                    | <a href="https://www.sciencedirect.com/journal/alexandria-engineering-journal">https://www.sciencedirect.com/journal/alexandria-engineering-journal</a>             | Inter National  | 2090-2670       |
| 20    | Dr. Deepak Gupta  | Energy-efficient online continual learning for time series classification in nanorobot-based smart health          | 2023                     | IEEE Journal of Biomedical and Health Informatics | <a href="https://www.embs.org/jbhi/">https://www.embs.org/jbhi/</a>   | Inter National  | 2168-2208       |



| S.No. | Faculty Name      | Title of Paper   | Publication Month & Year | Journal Name   | URL Number  | Type of Journal | ISSN of Journal |
|-------|-------------------|--|--------------------------|--|---|-----------------|-----------------|
| 21    | Dr. Deepak Gupta  | A Pragmatic Analysis of Machine Translation techniques for preserving the authenticity of the Sanskrit language                        | 2023                     | ACM Transactions on Asian and Low-Resource Language Information Processing | <a href="https://dl.acm.org/journal/allip">https://dl.acm.org/journal/allip</a>   | Inter National  | 2375-4699       |
| 22    | Dr. Ashish Khanna | Segmentation of Diabetic Retinopathy Images using Deep Feature Fused Residual with U-Net   | 2023                     | Alexandria Engineering Journal   | <a href="https://www.sciencedirect.com/journal/alexandria-engineering-journal">https://www.sciencedirect.com/journal/alexandria-engineering-journal</a>                             | Inter National  | 2090-2670       |
| 23    | Dr. Deepak Gupta  | Enhancing P2Cast VoD Streaming Performance: A Node Behaviour-driven Parent Selection Approach considering VCR Actions                  | 2023                     | IEEE Transactions on Consumer Electronics                                  | <a href="https://ctsoc.ieee.org/publications/ieee-transactions-on-consumer-electronics.html">https://ctsoc.ieee.org/publications/ieee-transactions-on-consumer-electronics.html</a> | Inter National  | 0098-3063       |
| 24    | Dr. Deepak Gupta  | Marvelous Hand: An IoT-enabled Artificial Intelligence-based Human-Centric Biosensor Design for Consumer Personal Security Application | 2023                     | IEEE Journal of Biomedical and Health Informatics                          | <a href="https://www.embs.org/jbhi/">https://www.embs.org/jbhi/</a>   | Inter National  | 2168-2208       |
| 25    | Dr. Deepak Gupta  | Multi-Classification of Brain Tumor by Using Deep Convolutional Neural Network Model in MRI Images                                     | 2023                     | International Journal of Imaging Systems and Technology                    | <a href="https://onlinelibrary.wiley.com/journal/10981098">https://onlinelibrary.wiley.com/journal/10981098</a>   | Inter National  | 1098-1098       |

# PAPER PUBLICATIONS CONFERENCES

| S.No. | Faculty Name      | Title of Paper   | Publication Month & Year | Conference Name   | DOI/ISBN Number  | Conference Venue | Attended Physical/Virtual | Indexing |
|-------|-------------------|--|--------------------------|---|--|------------------|---------------------------|----------|
| 1     | Deepak Gupta      | Integrated Quantum Healthcare with Predictive Intelligence Approach  | 1st Aug 2023             | ICICC   | 10.1007/978-981-99-3010-4_35   | Delhi, India     | Physical                  |          |
| 2     | Ms. Karuna Middha | Comparative Analysis of deep learning with different optimization techniques for Type 2 Diabetes Mellitus detection using Gene expression Data | 1st august 2023          | 6th International Conference on Innovative Computing & Communication (ICICC-2023)                               | <a href="https://doi.org/10.1007/978-981-99-3010-4_2">https://doi.org/10.1007/978-981-99-3010-4_2</a><br>Print ISBN 978-981-99-3009-8<br>Online ISBN 978-981-99-3010-4 | Delhi, India     | Physical                  | Scopus   |
| 3     | Prerna Sharma     | Optimized Classification of fetal state health using GWO and WOA   | September 2023           | International Conference on Sciences of Electronics, Technologies of Information and Telecommunications (SETIT) | 10.1109/SETIT54465.2022.9875521  | Hammet, Tunisia  | Virtual                   |          |
| 4     | Ashish Khanna     | Online Recommendation System Using Collaborative Deep Learning   | 2023                     | Proceedings of Data Analytics and Management: ICDAM 2022  |  | Poland           | Physical                  | Scopus   |

## RESEARCH PAPER

| Sl. No. | Name of Faculty   | Details of Conference Proceeding   | National / International | Title of the Paper   | Year of Publication |
|---------|-------------------|--|--------------------------|--|---------------------|
| 1       | Mini Agarwal      | Delcon-2023  | International            | Efficient Prediction And Analysis Of Monkeypox Skin Lesion       | 2023                |
| 2       | Prerna Sharma     | International Conference on the Sciences of Electronics, Technology of Information and Telecommunication | International            | Optimized Classification of fetal state health using GWO and WOA | 2023                |
| 3       | Mr. Ashish Sharma | CEUR Workshop Proceedings  | International            | Digital Twinning in Intelligent Farming Systems                  | 2023                |

## PATENT PUBLICATIONS

| S.No. | Faculty Name  | Patent Application Number | Title of Invention   | Patent Filing Country | Publication Date | No of Inventors |
|-------|---|---------------------------|--|-----------------------|------------------|-----------------|
| 1     | Prof. Namita Gupta, Ms. Kavita Saxena, Ms. Deepti Gupta | 202311055764              | Cognitive Ultrasonic Assistive System and a Method Thereof | INDIA                 | 15-09-2023       | 8               |





**STUDENTS  
ACHIEVEMENTS**

# Paper Publications Conferences/JOURNAL

| S.No. | Name of Student   | Title of Paper  | Name of the journal/conference/Seminar   | National/ International | Year |
|-------|---|---|--|-------------------------|------|
| 1     | Aabhash pansari,Pragun Dua, Jenice Tomar , Yogesh sharma  | Incentivise mechanism for authors and readers with blockchain | International journal for research in applied science and engineering technology | International           | 2023 |
| 2     | Wahidur Rahman,Md Tashhirul Islam, Yogesh, Dr. Farzil Kidwai  | Smart Quiz (A Challenging and Engaging Learning Game)         | Iconic Research And Engineering Journals   | International           | 2023 |
| 3     | Rijul Jain  | Brain Tumor Detection using Deep Learning                     | International Research Journal of Engineering and Technology (IRJET)             | International           | 2023 |
| 4     | Akshansh Kumar,Mr. Rijul Jain, Mr. Karan Kumar Gupta, Ms. Kavita Saxena                                       | Brain Tumor Detection using Deep Learning                     | IRJECT   | International           | 2023 |
| 5     | Rajas Paunikar,Ishaan Gupta , Pranav Bansal   | Crop Disease Detection  | International journal of innovative reasearch engineering                        | International           | 2023 |
| 6     | Chirag Goyal,Priyank Rawat, Ankit Kumar Verma   | Emotion Detection and Depression Analysis in Chat Application | IRJET Journal  | International           | 2023 |
| 7     | Kunal Girdhar,Lakshay Arora, Siddharth Sharma   | Low Level Design: An Online Judge                             | IJRASET  | International           | 2023 |
| 8     | Karan Kumar Gupta,Rijul Jain, Akshansh Kumar, Kavita Saxena   | Brain Tumor Detection Using Deep Learning                     | International Research Journal Of Engineering and Technology (IRJET)             | International           | 2023 |
| 9     | Aman Tobarria,Gaurav kadam, Sahil arya, Sudha narang  | Pneumonia Detection using Deep Learning and Transfer Learning | IRJET Journal  | International           | 2023 |
| 10    | Nalin Bedi,Adarsh Singh (75814802719) , Avinab Sharma (75214802719), Ms. Kajol Dahiya (Asst. professor, MAIT) | Health Analyzer System  | International Research Journal of Engineering and Technology (IRJET)             | International           | 2023 |

| S.No. | Name of Student   | Title of Paper  | Name of the journal/conference/Seminar   | National/International | Year |
|-------|---|---|--|------------------------|------|
| 11    | Gaurav Kadam,Aman Tobaria, Sahil Arya, Asst. Prof. Sudha Narang       | Pneumonia Detection Using Deep Learning and Transfer Learning   | International Research Journal of Engineering and Technology (IRJET)           | International          | 2023 |
| 12    | Dharmender Bhatnagar,Shubham Sain, Aayush Singh, Shallu Juneja        | Diabetes Prediction Using ML                                    | International Research Journal of Engineering and Technology                   | International          | 2023 |
| 13    | Shubham Sain,Aayush Singh, Dharmender Bhatnagar, Shallu Juneja        | Diabetes Prediction using ML                                    | International Research Journal of Engineering and Technology (IRJET)           | International          | 2023 |
| 14    | Aayush Singh,Shubham Sain, Dharmender Bhatnagar, Shallu Juneja(GUIDE) | Diabetes Prediction Using ML                                    | International Research Journal of Engineering and Technology (IRJET)           | International          | 2023 |
| 15    | Aparna Jha,Aparna Jha, Nikhil Jha, Kanishk Bhadauria                  | Opportunity Finder & Keyword Trend Analysis in E-commerce       | Iconic Research And Engineering Journals                                       | International          | 2023 |
| 16    | Nikhil Jha,Nikhil Jha, Kanishk Bhadauria, Aparna Jha                  | Opportunity Finder & Keyword Trend Analysis in E-commerce       | Iconic Research And Engineering Journals                                       | International          | 2023 |
| 17    | Shahrukh Ansari,DEVANSH ARORA, ABHISHEK KUMAR3                        | Implementation of Sentiment Analysis Using Optimized Classifier | IRE Journals   | International          | 2022 |
| 18    | Rahul Tanwar ,Pankaj Gupta, Saurabh bisht                             | Thyroid Cancer Detection using Deep Learning                    | international Advanced Research Journal in Science, Engineering and Technology | International          | 2023 |
| 19    | Md Tashhirul Islam,Wahidur Rahman; Yogesh ; Dr. Farzil                | Smart Quiz (A Challenging and Engaging Learning Game)           | International Peer-Reviewed Journal  | Internation            | 2023 |



# STUDENT'S TECHNICAL ACHIEVEMENTS

## HACKATHON WINNERS

| S.No. | Enrollment No. | Name of Student     | Team Name            | Name of Event         | International /National/State/Inter/Intra Level | Place of Event                           | Date of Event          | Prize/Position        |
|-------|----------------|---------------------|----------------------|-----------------------|---|--|------------------------|-----------------------|
| 1     | 03296402722    | Gunjan Kumar Mishra | Lingua_Masters       | Smart India Hackathon | National  | Royal Global University, Assam           | 19/12/2023 -20/12/2023 | Winner, Rs.100000/-   |
| 2     | 03696402722    | Ishaan Minocha      | Parallel Transcended | Smart India Hackathon | National  | SVCET, Chittoor                          | 19/12/2023 -20/12/2023 | Winner, Rs.100000/-   |
| 3     | 3696402722     | Aman Sharma         |                      |                       |   |  |                        |                       |
| 4     | 03114802722    | Subhasish Panda     | Hack-n-Slash         | HackwithMait 4.0      | National  | Maharaja Agrasen Institute Of Technology | 22/11/2023 -23/11/2023 | 1st Position          |
| 5     | 35214802722    | Garv Baweja         | Astra                | HackwithMait 4.0      | National  | Maharaja Agrasen Institute Of Technology | 22/11/2023 -23/11/2023 | 2nd Position          |
| 6     | 02714802721    | Saksham Singh       | Runtime Terror       | HackwithMait 4.0      | National  | Maharaja Agrasen Institute Of Technology | 22/11/2023 -23/11/2023 | 3rd Position          |
| 10    | 3996402722     | Ishaan Minocha      | Hoodini              | EmpowHer              | National  | IEEE-IIT Delhi                           | 14/10/2023 -15/10/2023 | 1st Postion -Rs. 4000 |
| 11    | 03114802722    | Subhasish Panda     |                      |                       |   |  |                        |                       |
| 12    | 3696402722     | Aman Sharma         |                      |                       |   |  |                        |                       |
| 13    | 9714804922     | Kiriti Nain         |                      |                       |   |  |                        |                       |

# STUDENT'S TECHNICAL ACHIEVEMENTS

## HACKATHON WINNERS

| S.No. | Enrollment No. | Name of Student      | Team Name                       | Name of Event | International /National/State/Inter/Intra Level | Place of Event | Date of Event             | Prize/Position               |
|-------|----------------|----------------------|---------------------------------|---------------|---|----------------|---------------------------|------------------------------|
| 14    | 02614802722    | Shivam Kumar Jha     | Fascinated Unique Coder Knights | EmpowHer      | National  | IEEE-IIT Delhi | 14/10/2023<br>-15/10/2023 | 3rd Position                 |
| 15    | 35414802722    | Gehna Gautam         |                                 |               |   |                |                           |                              |
| 16    | 696402722      | Ansh Kapila          |                                 |               |   |                |                           |                              |
| 17    | 3814811622     | Chhavi Tomar         |                                 |               |   |                |                           |                              |
| 18    | 02214802722    | Abir Thakur          | Code Ignite                     | Code4Cause    | Inter   | MSIT, Delhi    | 6-10-2023                 | 1st Position & Rs.10,000/-   |
| 19    | 03114802722    | Subhasish Panda      |                                 |               |   |                |                           |                              |
| 20    | 3996402722     | Ishaan Minocha       | WrenchD                         | HackXtreme    | Inter   | IIT Delhi      | 5-10-2023                 | 1st Positions & Rs. 12,000/- |
| 21    | 1296402722     | Chanmeet Singh Sahni |                                 |               |   |                |                           |                              |
| 22    | 03696402722    | Aman Sharma          |                                 |               |   |                |                           |                              |

# STUDENT'S ACHIEVEMENTS

## ACADEMICS

| S.No. | Enrollment No. | Name of Student | Name of Event                            | International/National/State/Inter/Intra Level | Place of Event  | Date of Event         | Prize/Position |
|-------|----------------|-----------------|--|--|---|-----------------------|----------------|
| 1     | 35414802722    | Gehna Gautam    | TechComm - VichaarSparks                 | Inter  | MAIT,Delhi  | 17-10-2023            | 2nd Position   |
| 2     | 35296402721    | Soumil Garg     | JK TYRE Indian Karting Race 2023         | National                                       | Galgotias University, Greater Noida and Buddh International Circuit | 12/10/2023-16/10/2023 | Rs.5000/-      |
| 3     | 9714802720     | Padam Bhardwaj  | Coding ninjas founder's invite challenge | National                                       | Coding Ninjas Online  | 02-08-2023            | Top 42         |

## SPORTS

| Enrolment number | Name of the Student | Name of the event                     | Level    | Prize Amount/ Position | Date of event | Place of event                                 |
|------------------|---------------------|---------------------------------------|----------|------------------------|---------------|--|
| 35714802722      | Devesh Tuteja       | The Amateur League Badminton Season 1 | National | 1st Position           | 12-08-2023    | Playall sports complex Gurgaon, Haryana, India |

## CULTURAL

| S.No. | Enrollment No. | Name of Student | Name of Event           | International/National/State/Inter/Intra Level | Place of Event                                   | Date of Event |
|-------|----------------|-----------------|-------------------------|--|--|---------------|
| 1     | 21114802721    | Viva            | Rajasthan Yuva Mahotsav | District                                       | Nosegay public school, Sri Ganganagar, Rajasthan | 03-08-2023    |

# STUDENT ACHIEVEMENTS

## Smart India Hackathon '23

- Students from CSE secured first prize in Smart India Hackathon in two problem statements
- **Team Parallel Transcend:**
  - **Aman Sharma - 03696402722**
  - **Ishaan Minocha - 03996402722**
- **Team Lingua\_Masters**
  - **Gunjan Mishra - 03296402722**



## Maharaja Agrasen Institute of Technology

### Congratulates

Team Winners



उद्यमेन हि सिद्ध्यन्ति कार्याणि न मनोरथैः

**Lingua\_Masters (PS – SIH1301)**  
Ministry of power  
Prize amount – Rs. 1 Lac



**Yuvraj Singh (Team Leader)**, Anmol Mani Tripathi, Gunjan Kumar Mishra, Karik Mishra, Ekshita Ashwaryya, Modha Ahmed  
00114803621 (ME), 20214604901 (EEE), 03296402722 (CSE), 20114802821 (ECE), 3414802821 (ECB), 7414804300 (EEE)  
Dr Vinay Kumar Saini (Faculty Mentor)

**PARALLEL TRANSCEND (PS – SIH1438)**  
Ministry of Law and Justice  
Prize amount – Rs. 1 Lac



**Sagar Teotia (Team Leader)**, Abhinav Mishra, Ishaan Minocha, Aman Sharma, Aditya Bhattacharya, Khushi Minda  
05314815523 (CSE(AI)), 02714815523 (CSE(AI)), 03996402722 (CSE), 03696402722 (CSE), 03514815723 (CSE(DS)), 22214802822 (ECE)  
Dr Rishi Sharma and Dr. Vinay Kumar Saini (Faculty Mentors)

**Dr. Nand Kishore Garg**  
Founder and Chief Advisor,  
MATES

**Sh. Vineet Kumar Lohia**  
Chairman,  
MATES

**Sh. S. P. Aggarwal, IAS**  
Executive Chairman,  
MATES

**Er. T. R. Garg**  
General Secretary,  
MATES

**Sh. Mohan Kumar Garg**  
Joint General Secretary,  
MATES

**Sh. Anand Gupta**  
Treasurer,  
MATES

**Prof.(Dr.) Neelam Sharma**  
Director,  
MAIT

**Prof. S.S. Deswal,**  
Dean,  
MAIT

**Prof. Namita Gupta**  
MAIT SPDC, SIH 2023  
Head, CSE Department,  
MAIT



# STUDENT ACHIEVEMENTS

## HackXtreme Hackathon '23

- **Aman Sharma(03696402722)**
- **Chanmeet Singh Sahni(01296402722)**
- **Ishaan Minocha(03996402722)**

On October 5th, 2023, Team WrenchD from (Maharaja Agrasen Institute Of Technology) MAIT secured 1st place among 250 teams in the HackXtreme competition hosted by IIT Delhi during the RendezvousX fest.

- **Position: 1st**
- **Prize Amount: Rs. 12000**



## Viksit Bharat @2047

- Devesh Tuteja represented MAIT, Delhi and contributed to shaping the future of our nation. Viksit Bharat@2047 represents the government of India's ambitious vision to transform the nation into a developed entity by the centenary of its independence in 2047.

# STUDENT ACHIEVEMENTS

## EmpowHer Hackathon '23

- In the EmpowHer Hackathon organized by IEEE IIT-Delhi Student Branch in collaboration with IEEE GTBIT, held on October 14th-15th, 2023, two teams from the Maharaja Agrasen Institute of Technology (MAIT) stood out. They clinched the top positions in the competition.
- **Team Hoodini** secured the **1st place**, while **Team Fascinated Unique Coder Knights**, another team from MAIT, claimed the 3rd place.
- **She&IT**, Team Hoodini's EmpowHer Hackathon project was a Web App, chatbot and Metaverse incorporated all in one solution, under the track of making E learning platform for women and girls, that combines tech for women's empowerment.
- The solution, named "**ReVogue**," was developed by Team Unique Coder Knights for the track SDG13 (Sustainability). This application was designed to revolutionize the fashion industry by empowering users to make eco-conscious and ethical fashion choices.

### Team Hoodini

Kiriti Nain -09714804922  
Aman(cse)-03696402722  
Subhasish Panda -03114802722  
Ishaan Minocha(cse)-03996402722

### Team Fascinated Unique Coder Knights

Shivam Kumar Jha -02614802722  
Gehna Gautam -35414802722  
Ansh Kapila - 00696402722,  
Chhavi Tomar - 03814811622



# STUDENT ACHIEVEMENTS

## ADGITM Hackathon '23

- Students of CSE secured **2nd prize** and a cash prize of **Rs 4000** in Hackathon organized by ADGITM IEEE student Chapter.
- Team members:
  - **Shivam Kumar Jha (02614802722)**
  - **Ansh Kapila (00696402722)**
  - **Anant Aggarwal (01314802722)**



## NCGG Internship program

**NITESH TIWARI**, CSE third year has secured 4th position and selected for **8 weeks NCGG Internship program**, out of 10000 applicants.

NCGG is internship program of GOI, and he will get chance to meet our honorable Prime Minister Shri Narendra Modi.

Nitesh is active volunteer of NSS-MAIT and is at position of Head Boy for the batch of 2021 NSS unit. We wish him all the best.





# EVENTS



## SEMINAR

### Software Architecture and Design

In a collaborative effort, the Department of Computer Science & Engineering and the Department of Computer Science and Technology at Maharaja Agrasen Institute of Technology (MAIT), Delhi, collaborated with the Department of Student's Welfare at Guru Gobind Singh Indraprastha University (GGSIPU) to organize a highly successful One Day International Seminar on "Software Architecture and Design." On 30th November 2023. The seminar witnessed an enthusiastic gathering of students and faculty members eager to explore the evolving landscape of Software Architecture and Design. The invited speakers of the event were: Dr. Mridula Sharma: Faculty, Computing Sciences, Thomson Rivers University, Kamloops, BC, Canada. Dr. Arvinder Kaur: Professor, USICT, GGSIPU, Delhi. Both speakers shared profound insights into the latest advancements, challenges, and opportunities in the realm of software architecture and design. The seminar provided a platform for engaging discussions, knowledge exchange, and networking. The collaboration between MAIT and GGSIPU underscored the importance of fostering partnerships in academia for the holistic development of students and the advancement of knowledge. Key Organizers and Contributors: Organizing Secretary: Prof. Namita Gupta. Conveners: Dr. Pooja Gupta (HOD, CST) and Mr. Ashish Sharma. Organizing Team: Mr. Alok Sharma, Ms. Ruchi Goel, Dr. Yogesh Sharma, Dr. Sandeep Tayal, Ms. Savita Sharma, Mr. Priyank Kumar Saxena

## WEBINAR

The "Exploring ChatGPT" webinar at MAIT on December 21, 2023, brought together TCS, faculty, and students. Mr. Sushil from TCS provided a comprehensive overview of ChatGPT's significance in AI, highlighting its innovative aspect powered by Reinforcement Learning from Human Feedback (RLHF). He assured the audience of the Chatbot's accuracy and reliability through supervised refinement. The event aimed to motivate and empower students, delving into ChatGPT's intricacies.

### Exploring CHATGPT

As a generative model, ChatGPT creates contextually relevant responses and is one of the largest language models, capable of capturing complex linguistic structures. It is commonly used in conversational AI applications, such as chatbots and virtual assistants. However, ethical considerations, including concerns about bias and misuse, have prompted OpenAI to implement usage policies and moderation systems. The "Exploring ChatGPT" webinar concluded with a palpable sense of optimism and excitement, motivating students to gain valuable insights from seasoned professionals.



# SUMMIT

## "Pitch Your Idea" Summit 2023 on October 20, 2023

In an exciting and inspiring showcase of innovation and entrepreneurship, the Department of Computer Science & Engineering at Maharaja Agrasen Institute of Technology (MAIT) in collaboration with the Career Development Cell and MAIT-IIC successfully organized the "Pitch Your Idea" Summit 2023 on October 20, 2023. The event aimed to provide a platform for budding student entrepreneurs to present their groundbreaking ideas and projects to a distinguished panel of judges and potential investors who were ready to provide financial support.

Teams showcased a wide array of innovative products and solutions across various domains, including drones, construction solutions, AI chatbots for workouts, carbon emissions reduction technology for homes, a cartoon series production proposal, a personalized AI learning platform, a portable CNC machine, an advanced salon booking platform, and a personal assistant robot for material transportation. Additionally, innovative proposals aimed at simplifying electric vehicle charging processes were presented.

The "Pitch Your Idea" Summit 2023 garnered support from distinguished investors who took a keen interest in the presented ideas. Notable names such as Dr. Aditya Vij, C.A. Archit Aggarwal, Mr. Saransh Gupta, Mr. Nipun Walia, Mr. Vivek Singh Chandel, Mr. Gaurav Trivedi, and Mr. Arun Garg graced the event. Their presence added immense value to the summit, further fueling the enthusiasm and determination of the participating students.

After a rigorous evaluation process, the judges selected the winners who demonstrated exceptional creativity and ingenuity in presenting their ideas. The winning teams and their respective prize amounts were as follows:

- 1. ChargeWise - Led by Garv Baweja, received a prize of INR 11,000/-**
- 2. A.T.O.M ROBOTICS - Led by Saheem Ahmed Khan, received a prize of INR 5,100/-**
- 3. Ajnabee - Led by Saksham, and ATOM - Led by Shlok M Sharma, both received a prize of INR 2,100/-**



The event celebrated the innovative spirit of young minds and showcased the dedication of the organizing team led by Prof. Namita Gupta, with support from Mr. Ashish Sharma, Mr. Amit Gautam, and Faculty Coordinators. Uno Minda was the Main Sponsor. The summit highlighted collaboration and support in the academic community, indicating the potential impact of these young entrepreneurs in technology and business.



# FACULTY DEVELOPMENT PROGRAMME

**Department of Computer Science & Engineering, Maharaja Agrasen Institute of Technology in collaboration with the TEACHING LEARNING CENTRE, Ramanujan College, University of Delhi under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Ministry of Education inaugurated one week (7th August, 2023-13th August, 2023) Faculty Development Programme (FDP) on "Python with Data Analytics".** The launch of this transformative initiative marks a significant step towards equipping educators with the skills and knowledge necessary to shape the leaders and innovators of tomorrow. The event commenced with a lamp-lighting ceremony followed by Goddess Saraswati Vandana. Shri (Dr.) Nand Kishore Garg, Founder Chairman and Chief Advisor, MATES and Chancellor MAU, always encourages faculties to equip themselves with current technology trends. Dr. Deepak Gupta, Organizing Secretary provided valuable insights to the One Week Faculty Development Program in which there will be a total of 16 sessions from renowned industry and academia professionals.



Prof. (Dr) Neelam Sharma (Director, MAIT) focused on rejuvenation of technical skills among faculties. She happily announced that 306 faculties participated in the FDP making it already a successful FDP. Dr. Nirmalya Samanta, Associate Professor, Department of English, Ramanujan College, University of Delhi threw light on the advancement of technology in promotion of culture in the upcoming generation. Dr. Subodh Jindal, Co-Chair of Organizing Member of 25th Silver Jubilee Program, MATES talked about the growing radius of technology where the focus should be on transition from technology followers to technology.

Prof. (Dr) Namita Gupta, Convenor, HoD, CSE, MAIT concluded with Vote of Thanks. She reiterated the importance of investing in education as a means of fostering societal progress. "Education is the cornerstone of development, and the Faculty Development Programme is our commitment to nurturing a generation of educators who will ignite the flames of knowledge and curiosity in their students,".

# HACKATHON

## HackwithMait 4.0

A national-level hackathon, HackwithMAIT 4.0, organized by the Departments of Computer Science and Engineering and Computer Science and Technology on November 22–23, 2023, aimed to foster product innovation and problem-solving. Sponsored by Tezos, Afreebug, Monkhood, Prismberry, Polygon, DevFolio, IEEE Comsoc, Bikanervala, Replit, Wolfram, with Quine as the title sponsor and Kwipic as the photo-sharing partner, the event featured sponsored and innovation tracks including Communication, Networking, Healthcare, Edtech, Fintech, Open innovation, Web3, offering over ₹50,000 in prizes. 850 students from 46 colleges registered, with 350 students participating.



The event, inaugurated on November 22, 2023, featured a tech-talk by Mr. Jay Saadana from Quine and was attended by notable figures including Dr. Nand Kishore Garg, Prof. Neelam Sharma, Prof. S.S. Deswal, Prof. Namita Gupta, Prof. Rajveer Mittal, and Dr. Pooja Gupta. Organized by Prof. Namita Gupta as Program Chair and Dr. Pooja Gupta as Program Co-Chair, with support from faculty and student coordinators, the hackathon comprised two shortlisting rounds and a final round. Notable projects included a solution for the visually impaired and an AIML-based chatbot for education. Winners included Hack-n-Slash (MAIT), Astra (MAIT), and LegacyCodeCorp (Galgotia College), with Codex (ICFAI University, Jharkhand) winning the Cloud Computing track sponsored by Prismberry.

An Internal Hackathon was held at MAIT campus on September 26th–27th September, 2023 led by Prof. Namita Gupta, with 101 teams participating. 93 teams registered under software and 8 under hardware categories. The event aimed to promote creativity, innovation, teamwork, and identify potential participants for SIH 2023. Teams were evaluated based on idea innovation, solutions for problem statements, and team collaboration.

## SMART INDIA INTERNAL HACKATHON 2023

The evaluators for the event were–

- Prof Neelam Sharma, Director MAIT,
- Prof Pravin Chandra, Professor & Dean GGSIPU and
- Prof Udayan Ghosh, Professor GGSIPU

Participation Teams

Total Participating teams – 101

Female Participants – 136

Male Participants – 470



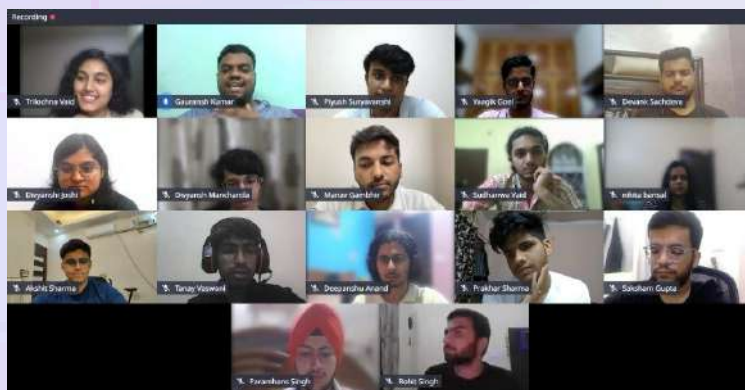
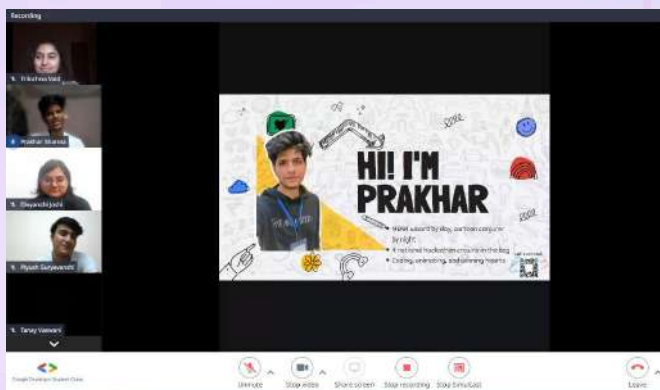


# GDSC EVENTS

## ORIENTATION SESSION

August 27, 2023

The GDSC MAIT successfully conducted its online orientation session on August 27, 2023. The session aimed to introduce the core GDSC team, provide insights into its operations, showcase opportunities available, and share experiences to inspire and guide participants as well as an insightful session by the special guest Gauransh Kumar, a former MITACS intern.



## CLOUD UNLEASHED

September 22, 2023

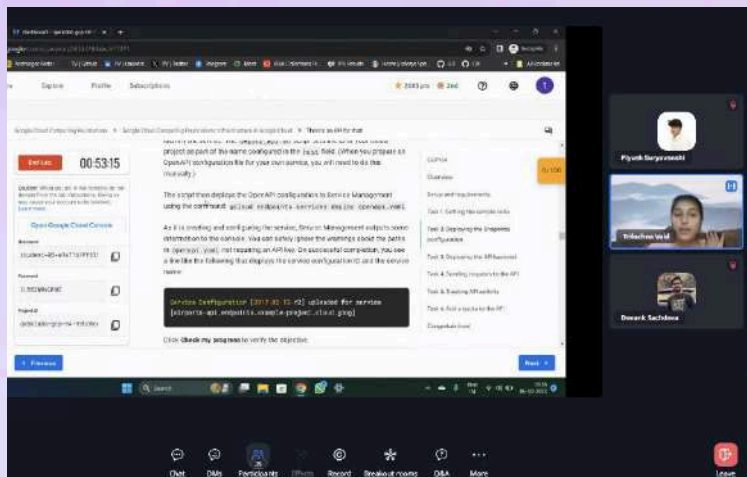


The event organised by GDSC MAIT on September 22, 2023, proved to be an enlightening and captivating affair. It was tailored to provide extensive insights into the structure and content of the Study Jam, offering a glimpse into interactive labs and hands-on projects. Participants received step-by-step guidance on completing the Study Jam Registration Form.

# Google Cloud Study Jam Kickoff

6th October, 2023

The event organised by GDSC MAIT on October 6, 2023, was meticulously crafted to centre around the completion of interactive labs, providing participants with an immersive and insightful experience. With a primary focus on guiding attendees through the process of successfully registering and efficiently navigating Study Jam labs, the event aimed to equip them with the necessary skills and knowledge.



# Google Cloud Study Jam Extravaganza

11th October, 2023

The Offline Orientation and Google Cloud Study Jam Extravaganza hosted by GDSC MAIT on October 11, 2023, was an enlightening and engaging experience. The event aimed to share comprehensive knowledge about cloud computing, emphasising its diverse applications and significant role in contemporary technology. Through interactive discussions and presentations, participants gained practical insights, fostering a deeper understanding of the subject. The event, crafted to be informative and interactive, effectively communicated the transformative possibilities of cloud computing within the ever-evolving technological environment of today.



## Tour To Generative AI Studio

**21st October, 2023**

The event hosted by GDSC MAIT on October 21, 2023, was an enlightening and captivating experience. It was specifically designed to offer comprehensive insights into the Generative AI Studio and included a quick doubt session to address any questions or uncertainties. Attendees were provided with detailed instructions on completing the Generative AI Studio.



## Google Cloud Study Jam Wrap up Session Event

**28th October, 2023**

The event hosted by GDSC MAIT on October 21, 2023, was an enlightening and captivating experience. It was specifically designed to offer comprehensive insights into the Generative AI Studio and included a quick doubt session to address any questions or uncertainties. Attendees were provided with detailed instructions on completing the Generative AI Studio.

Through interactive discussions participants gained practical insights, enriching their understanding of the topic. The event, designed to be informative and interactive, effectively communicated the benefits of the program in enhancing their cloud computing skills.

## Open Source conclave

**30th November, 2023**

“Open source conclave” was a thought-provoking and entertaining event that the GDSC MAIT hosted on November 30, 2023. The workshop aimed to empower students to embark on their open-source journey as well as focused on providing a roadmap for future opportunities. The event strived to demystify the world of open source and equip participants with the skills and knowledge necessary to contribute meaningfully to open-source projects.



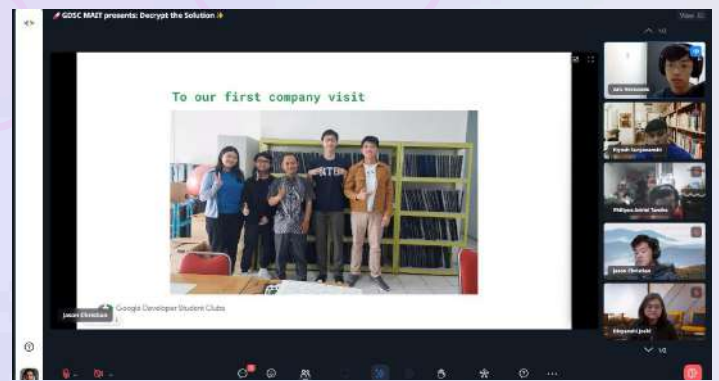


# Google Solution Challenge Info Session Event

6th December, 2023

"Google Solution Challenge Info Session" was a stimulating and enjoyable event that the GDSC MAIT hosted on December 6, 2023. The event provided insights into the challenge's objectives, requirements, and how participants can contribute meaningfully to social causes using technology. Additionally, the previous Google Solution winners discussed their experiences and offered valuable suggestions.

The event commenced with GDSC MAIT providing a warm welcome to the participants. GDSC core members Piyush Suryavanshi and Divyanshi Joshi familiarised the audience with the Google Solution Challenge, emphasising its aim of addressing the United Nations' 17 Sustainable Development Goals (SDGs) using Google technology.



## Introduction to Google Solution Challenge

10th December, 2023



GDSC MAIT successfully collaborated with various GDSC chapters across Delhi, including USICT, IIITD, BPIT, IGDTUW, Dr. Akhilesh, and DTU, to organise the "Introduction to Google Solution Challenge" event. This event aimed to enlighten the audience about the annual global competition, Google Solution Challenge, encouraging participants to leverage their skills and Google's advanced technologies to address some of the world's most pressing challenges aligned with the UN's Sustainable Development Goals (SDGs).

# TECHCOM EVENTS

## TechCom Orientation

**11th September, 2023**

TechCom, the Official Technical Society of the Department of Computer Science & Technology, conducted its annual orientation session on 11th September 2023 in lab No. 131-132 (CSE Block) from 12:45 p.m. onwards. The aim of the Orientation was to spread awareness about Society among the newly recruited Students of the College and motivate them to join Society. The Orientation was a massive success as it managed to get the attention of more than 50 Students throughout the campus and honored their hardworking team members and core team with Letters of Appreciation/Certificates.

The session started with a presentation by Mr. Vivek Kaushal (Student coordinator, TechCom), which included the following highlights: -

1. Brief introduction to TechCom
2. Events conducted during the past years
3. Benefits of joining the society
4. Brief of the Core & Team
5. Interview dates for TechCom

The session was then overtaken by Mr. Saksham (Student coordinator, TechCom), as he interacted with the audience and made them aware of the perks and benefits of joining the society. After this session was open work question & answer. Lastly, the audience was addressed by Mr. Arpit Goyal (President, TechCom) regarding the upcoming exciting events being organized by TechCom. The second half of the Orientation was to honor the Core Team and the hardworking coordinators of TechCom. Prof. Namita Gupta (HOD CSE) in the presence of Ms. Kavita Saxena, Ms. Deepti Gupta & Ms. Karuna Middha addressed the audience regarding the recent developments of TechCom and the possible future of those students with the Society.

## INTERACTIVE SESSION ON SIH

**15th September, 2023**

TechCom, the official society of CSE Department conducted an Interactive Session on SIH on 15th September 2023. The session took place in Lab No 114. The Aim of the session was to guide students on how to participate on the Annual Smart India Hackathon conducted by the Government of India.



The session was hosted by Ansh Goyal as he kicked off the event with the introduction on Smart India Hackathon and some lines on Engineers Day. The day was also marked as Engineers Day. The session was guided by 3 Alumnis of MAIT, Ms. Syeeda Reeha Quasar, Mr. Ashish Papani & Mr. Prakhar Sharma. All the speakers connected with the Participants online as a Meeting was conducted and projected on the screen in the lab. Throughout the session they shared their invaluable thoughts and insights of the Hackathon. They also provided the participants a clear roadmap on how to win such competitions.

Following were the winners for Graphika: -

After the Speaker session, the participants were free to engage with the speakers as they asked their queries away. Eventually, the session was addressed by Prof. Namita Gupta (HOD CSE) since she shared her vast experience with the participants and helped them navigate through this tough challenge.

To conclude, the event was a massive success since all participants were highly encouraged and motivated after the session. The participation force was more than 50 which ensures the success of the event .

The event was possible under the able guidance of Dr. Namita Gupta, Ms. Kavita Saxena, Ms. Deepti Gupta and Ms. Karuna Middha. The event was headed by Ansh Goyal from B.Tech 3rd year CSE dept.



# ASK YOUR SENIORS

30th September, 2023

To celebrate **National Engineer's Day** on **September 15, 2023, TechCom**, the official society of the Department of Computer Science & Engineering, held an Interactive Session on SIH. The session was held in Lab No. 114 beginning at 12:30 p.m. The purpose of the lecture was to inform students about the Indian government's annual Smart India Hackathon.

**Ms. Syeeda Reeha Quasar (Software Engineer at Google), Mr. Prakhar Sharma (Business Technology Solution Associate at ZS Associates), and Mr. Ashish Papani (Winner of the UNESCO India Africa Hackathon 2022)** directed the session. The speakers provided participants with a distinct road map for achieving SIH.

The session was made more informative by the expert presentation given by Prof. Namita Gupta's (CSE Head of Department). She shared her extensive expertise with the participants and assisted them in navigating this difficult obstacle.

The event was a tremendous success, as all attendees left the session feeling extremely encouraged and motivated. More than fifty people attended the event, which ensured its success.



The entire event was headed by Ansh Goyal (Student Coordinator, TechCom) under the guidance of Prof. Namita Gupta (HOD, CSE), Ms. Kavita Saxena (Faculty Co-ordinator, TechCom), Ms. Deepti Gupta (Faculty Co-ordinator, TechCom), and Ms. Karuna Middha (Faculty Co-ordinator, TechCom).



# CODE HEIST

13th October, 2023

**TechCom**, the official technical society of the CSE Department, held a captivating coding competition titled "**Code Heist**" on the **13th of October, 2023**, from 10:30 am onwards in Lab No 132. The primary objective of this event was to immerse students in the world of coding while nurturing their participation in such academic competitions. The event featured two rounds, each offering its unique challenges. The **first round**, hosted on the Coding Blocks platform, entailed problem-solving questions. Followed by the **second round**, conducted on the **Coding Ninjas** platform, which consisted 30 multiple-choice questions (MCQs) focused on aptitude and data structures and algorithms (DSA). The event proved to be an electrifying success with more than 40 active participants. The event was made more remarkable by the presence of eminent alumna and former General Secretary of TechCom, Mrs. Syeda Reeha Quasar, who currently works at Google. Her presence added an extra layer of excitement, making the event truly mind-blowing.

The event was possible under the able guidance of Prof. Namita Gupta, HOD, CSE, and faculty coordinators Ms. Kavita Saxena, Ms. Deepti Gupta and Ms. Karuna Middha. The tremendous efforts of the TechCom team along with the event heads Vivek Kaushal, 3rd year CSE, and Khushi Kataria, 3rd year CSE, made the event a great success.



## Winners of CodeHeist:

### 1st prize: Shivam Gupta

Enrollment no. 05514802722

College & Branch: MAIT, CSE (2nd yr)

He was awarded a cash prize of Rs.1000 along with a bag by Coding Ninjas.

### 2nd prize: Vaibhav Bhalla

Enrollment no. 03314802721

College & Branch: MAIT, CSE (3rd yr)

He was awarded a cash prize of Rs.700 along with a T-shirt by Coding Ninjas.

# VICHAR SPARKS

17th October, 2023

TechCom, the official technical society of the CSE Department, held an intercollege debate competition titled "Vichar Sparks" on the 17th of October, 2023, in the Mini Auditorium, MAIT. The primary objective of this event was to get the students to explore their innovative side in the world of debating while nurturing their participation in such cultural competitions. With more than 40+ registered students and 25+ active participants, the event became a great success. The Topics on which each speaker was required to speak were Blockchain, IOT and Cryptocurrency. Each speaker was given 2+1 minutes to present their ideas and final judgment was made by our very experienced panel of judges including Dr. Pooja Gupta, HOD, CST, Ms. Purna Mann, Asst. Prof. CSE, Dr. Deepak Gupta Asst. Prof. CSE, Dr. Yogesh Sharma, Asst. Prof., CSE, and Ms. Ruchi Goel, Asst. Prof., CSE. The result of the competition was declared by Prof. Namita Gupta, HOD, CSE



## Winners of Vichar Sparks:

**1st prize : Mehul Bhatnagar**

College & Branch: Satyavati college, CSE(1st year)

**2nd prize : Gehna Gautam**

Enrollment no. 35414802722

College & Branch: MAIT, CSE(2nd yr)



# Workshop on Blockchain

**17th November, 2023**

TechCom, the official society of CSE Department, in collaboration with Tezos India conducted a Workshop on Blockchain on 17th November 2023. The workshop took place in Lab No 131-132 from 11.30 AM onwards. Tezos India was track sponsor of HackwithMAIT 4.0. The Event was a massive success. More than 50 students registered for the workshop which was open for all the colleges.

The event started with an introduction by Sarthak Aggarwal (Student Coordinator, Techcom). He introduced our speaker Mr. Simarpreet Singh (Developer Relations, Tezos india). Mohammed Khundmeer Siddiq (Vice president of Techcom) and Nawed Ali (Promotional and social media head of Techcom) honored Mr. Simarpreet Singh by presenting plant.

The event was then overtaken by Simarpreet Singh, as he interacted with audience and taught them about Blockchain Technology and how to create a virtual environment for building their first smart contract on Tezos Blockchain. The participants built 3 contracts and deployed those under the guidance of Mr. Simarpreet Singh. He was very energetic and were resolving each participant's error separately. The session was smoothly conducted in the presence of our faculty coordinator Ms. Kavita Saxena, Ms. Deepti Gupta and Ms. Karuna Middha. The workshop lasted for approximate 2.5 hours.

After the successful completion of workshop, all the students received stickers. The top performers of the workshop also received caps.

The event was possible under the able guidance of Prof. Namita Gupta, Ms. Kavita Saxena, Ms. Deepti Gupta and Ms. Karuna Middha.











**MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY**  
MAHARAJA AGRASEN CHOWK, SECTOR -22, ROHINI, DELHI-86

Ph.: 011-27582095, 8448186931 | E-mail: [mait@mait.ac.in](mailto:mait@mait.ac.in) | Web.: [www.mait.ac.in](http://www.mait.ac.in)