# तेजस गणक

**Official Newsletter**
**Department of Computer Science & Engineering**

**MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY, DELHI**

# VISION

"To be centre of excellence in education, research and technology transfer in the field of computer engineering and promote entrepreneurship and ethical values."

# MISSION

To foster an open, multidisciplinary and highly collaborative research environment for producing world-class engineers capable of providing innovative solutions to real-life problems and fulfil societal needs.

# DEPARTMENT HISTORY

The Computer Science and Engineering Department was established in the year 1999 under GGSIP University with an intake of 60 students. The intake was subsequently increased to 120 and at present has intake of 240 students. Department is committed to achieve excellence in technical education & research and assesses the success of its programs using the highest standards of quality. A group of well qualified, experienced and highly motivated faculty is engaged in providing quality education to the future computer engineer and prepare the students in wider field of Computer Engineering to take up challenging jobs in the area of Systems Software Development, Application Software Development and Computer Networking. Since its inception, the department has been the first choice of the students seeking admission in the private Engineering Institutes under GGSIP University. Graduates from the department are heavily recruited by both academia and industry, and ex-students of the department occupy top positions in both academia and industry all over the world.

## FACULTY UPDATES

**Faculty members pursuing Ph.D.**

1. Mr. Ashish Sharma
2. Ms. Sudha Narang
3. Mr. Ajay Kumar Tiwari
4. Ms. Anubha
5. Ms. Deepti Gupta
6. Ms. Garima Gupta
7. Ms. Karuna Middha
8. Mrs. Kavita Saxena
9. Ms. Mini Agarwal
10. Mr. Moolchand Sharma
11. Mrs. Neetu Garg
12. Ms. Prerna Sharma
13. Mrs. Ruchi Goel
14. Ms. Shallu Juneja
15. Mr. Yogesh Sharma

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)**
**Editor-in-Chief**

### DEPARTMENT INTAKE

First Shift: 180
Second Shift: 60

# PLACEMENTS ( 2018-2022) BATCH

| S.No. | COMPANY | Number of Students Placed | Salary (LPA) |
|---|---|---|---|
| 1 | Tealfeed | 1 | 63 |
| 2 | Atlassian | 2 | 57.25 |
| 3 | Amazon | 17 | 44 |
| 4 | LAyer5 | 1 | 35 |
| 5 | Sharechat | 1 | 30 |
| 6 | Goldman Sachs | 1 | 21 |
| 7 | Lowe's India | 1 | 19.35 |
| 8 | Hopstack | 1 | 19 |
| 9 | Trell Experience Pvt Ltd | 1 | 18 |
| 10 | American Express | 2 | 16.6 |
| 11 | ION Trading | 9 | 13.8 |
| 12 | Juspay Technologies Pvt Ltd. | 1 | 13 |
| 13 | ZS Associates | 13 | 12.83 |
| 14 | Bain & Company | 1 | 12 |
| 15 | Tavisca | 1 | 12 |
| 16 | Red Hat | 1 | 11.55 |
| 17 | JOSH TECH | 2 | 10.5 |
| 18 | Tokopedia | 1 | 10 |
| 19 | uSthaan Integrated Solutions Pvt. Ltd. | 1 | 10 |
| 20 | Interra | 1 | 10 |
| 21 | Payu | 1 | 9 |
| 22 | JOSH TECH | 2 | 8.82 |
| 23 | Accolite | 1 | 8 |
| 24 | Elucidata | 3 | 8 |
| 25 | Infosys | 8 | 8 |
| 26 | Unicorn Insurance Brokers Pvt Ltd | 1 | 7.8 |
| 27 | Deloitte | 7 | 7.6 |
| 28 | CSG International | 1 | 7.5 |
| 29 | CSGI | 1 | 7.5 |
| 30 | Indiamart | 2 | 7.5 |
| 31 | InfoEdge | 3 | 7.25 |
| 32 | Yamaha Solutions | 6 | 7 |
| 33. | Kuliza Technologies Pvt Ltd | 1 | 7 |
| 34 | PolicyBazaar.com | 1 | 7 |
| 35 | Cognizant | 32 | 6.75 |

# PLACEMENTS ( 2018-2022) BATCH

| S.No. | COMPANY | Number of Students Placed | Salary (LPA) |
|---|---|---|---|
| 36 | Accenture | 31 | 6.5 |
| 37 | uSthaan Integrated Solution Pvt. Ltd. | 1 | 6.5 |
| 38 | Boolean Digital | 5 | 6 |
| 39 | IHS Markit | 6 | 6 |
| 40 | Libsys Ltd. | 1 | 6 |
| 41 | PWC | 16 | 6 |
| 42 | EPAM | 1 | 6 |
| 43 | Civo | 1 | 6 |
| 44 | Vinove Software | 1 | 5.75 |
| 45 | McKinley & Rice | 4 | 5.5 |
| 46 | PristynCare | 2 | 5.5 |
| 47 | xoriant solutions Pvt. ltd | 1 | 5.5 |
| 48 | Cognizant | 1 | 5.4 |
| 49 | Cognizant | 23 | 5.1 |
| 50 | Publicis Sapient | 2 | 5.1 |
| 51 | Protiviti | 2 | 5.04 |
| 52 | Cognizant | 22 | 5 |
| 53 | Hitachi Vantara | 3 | 5 |
| 54 | Incedo | 10 | 5 |
| 55 | Infosys | 34 | 5 |
| 56 | Nagarro | 1 | 5 |
| 57 | Sopra Steria | 1 | 5 |
| 58 | Unthinkable Solutions | 7 | 5 |
| 59 | Byjus | 2 | 5 |
| 60 | Accenture | 48 | 4.5 |
| 61 | NewGen | 3 | 4.25 |
| 62 | Capgemini | 38 | 4 |
| 63 | Cognizant | 52 | 4 |
| 64 | Wipro | 37 | 4 |
| 65 | HCL Technologies | 1 | 3.65 |
| 66 | Elucidata | 1 | 3.6 |
| 67 | Infosys | 13 | 3.5 |
| 68 | DXC | 29 | 3 |
| 69 | Pepcoding | 1 | 3 |

# TOP PLACEMENTS ( 2018-2022) BATCH

| | | | |
|---|---|---|---|
| **Bhupen Pal**<br>02614802718<br>TealFeed<br>Package 63 lpa | **Nikhil Sharma**<br>07214802718<br>Atlassian<br>Package 57 lpa | **Shubh Bansal**<br>045714802718<br>Atlassian<br>Package 57 lpa | **Shubhangi Bhargava**<br>03196402718<br>Atlassian<br>Package 57 lpa |
| **Nandeesh Gupta**<br>07014802718<br>Atlassian<br>Package 57 lpa | **Ambuj**<br>01214802718<br>Atlassian<br>Package 57 lpa | **Mehul Rekhi**<br>035814802718<br>Amazon<br>Package 44 lpa | **Mihir Sood**<br>06414802718<br>Amazon<br>Package 44 lpa |
| **Rohit Kumar**<br>08714802718<br>Amazon<br>Package 44 lpa | **Deepanshu Agarwal**<br>03014802718<br>Amazon<br>Package 44 lpa | **Ankit**<br>01514802718<br>Amazon<br>Package 44 lpa | **Amisha Singla**<br>01314802718<br>Amazon<br>Package 44 lpa |
| **Abhishek Kumar**<br>00396402718<br>Layer5<br>Package 35 lpa | **Achint Singh Narang**<br>0614802718<br>Urban Company<br>Package 31 lpa | **Rhythm Jayee**<br>075114802718<br>Commvault<br>Package 30 lpa | **Khushi Bansal**<br>035714802718<br>Sharechat<br>Package 30 lpa |

# TOP PLACEMENTS ( 2018-2022) BATCH

**Kashish Tayal**

01496402718
Juspay
Package 27 lpa

**Aman Raj Choudhary**

01114802718
Atlassian
Package 27 lpa

**Anirudh Garg**

01414802718
Atlassian
Package 27 lpa

**Sanjay Majhi**

043514802718
Atlassian
Package 27 lpa

**Abhinav Gupta**

0314802718
Juspay
Package 27 lpa

**Disha Sharma**

03414802718
Walmart
Package 24 lpa

**Ishita Arora**

035514802718
Blinkit (Grofers)
Package 24 lpa

**Adarsh Kumar**

040796402718
Bright Money
Package 20 lpa

**Kunal Kalia**

042096402718
Hopstack
Package 19 lpa

**Ashish Tiwari**

041396402718
Layer5
Package 18 lpa

**Tarang Singhal**

040214802718
Trell experiences pvt
Package 18 lpa

**Dhruv Bansal**

040514802718
Mobikwik
Package 14.5 lpa

**Nishchay Gupta**

035914802718
Mobikwik
Package 14.5 lpa

**Sahil Brodiya**

040614802718
Mobiwik
Package 14.5 lpa

**Anuj Arora**

044814802718
Mobikwik
Package 14.5 lpa

**Shubham Aggarwal**

09714802718
Mobikwik
Package 14.5 lpa

# TOP PLACEMENTS ( 2018-2022) BATCH

| | | | |
|---|---|---|---|
| **Ayush Pandey**<br>045014802718<br>Mobikwik<br>Package 13.6 lpa | **DEEKSHA MADAN**<br>02814802718<br>Mobikwik<br>Package 13.6 lpa | **Kshem Sharma**<br>020214802718<br>ION Trading<br>Package 13.6 lpa | **Kshitij Katiyar**<br>020914802718<br>ION Trading<br>Package 13.6 lpa |
| **Manav Diwan**<br>01696402718<br>ION Trading<br>Package 13.6 lpa | **Surbhi Tyagi**<br>010014802718<br>ION Trading<br>Package 13.6 lpa | **Nishant Aggarwal**<br>043414802718<br>ZS Associates<br>Package 12.84 lpa | **Ayush Devrani**<br>01914802718<br>ZS Associates<br>Package 12.84 lpa |
| **Hitesh Garg**<br>04814802718<br>ZS Associates<br>Package 12.84 lpa | **Manaswi**<br>06214802718<br>ZS Associates<br>Package 12.84 lpa | **Pankaj kumar**<br>07414802718<br>ZS Associates<br>Package 12.84 lpa | **Prabal Sharma**<br>041214802718<br>ZS Associates<br>Package 12.84 lpa |
| **Ayushi Meharwal**<br>02214802718<br>ZS Associates<br>Package 12.84 lpa | **PRATEEK TAGORE**<br>045614802718<br>ZS Associates<br>Package 12.84 lpa | **Sanchit Manchanda**<br>041114802718<br>ZS Associates<br>Package 12.84 lpa | **Hardik Sanghi**<br>020114802718<br>ZS Associates<br>Package 12.84 lpa |

# TOP PLACEMENTS ( 2018-2022) BATCH

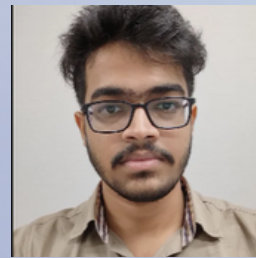| | | | |
|---|---|---|---|
| **Jatin chopra**<br>05114802718<br>ZS Associates<br>Package 12.84 lpa | **Kunal Mahesh Kumar**<br>040414802718<br>ZS Associates<br>Package 12.84 lpa | **Pranshul Aggarwal**<br>02496402718<br>ZS Associates<br>Package 12.84 lpa | **Sarthak Mittal**<br>09414802718<br>ZS Associates<br>Package 12.84 lpa |
| **Shashwat Sharma**<br>03096402718<br>ZS Associates<br>Package 12.84 lpa | **Tannu Sharma**<br>020314802718<br>ZS Associates<br>Package 12.84 lpa | **Tanya Batra**<br>042614802718<br>ZS Associates<br>Package 12.84 lpa | **Tanya Goel**<br>036614802718<br>ZS Associates<br>Package 12.84 lpa |
| **Ayushi Hasija**<br>02114802718<br>ZS Associates<br>Package 12.84 lpa | **Aditya Mehta**<br>035114802718<br>Bain&Company<br>Package 12 lpa | **Sidharth Lalchand**<br>041296402718<br>Infosys<br>Package 12 lpa | **Utkarsh Srivastava**<br>03396402718<br>Red Hat ASE<br>Package 12 lpa |

# ENTREPRENEURS

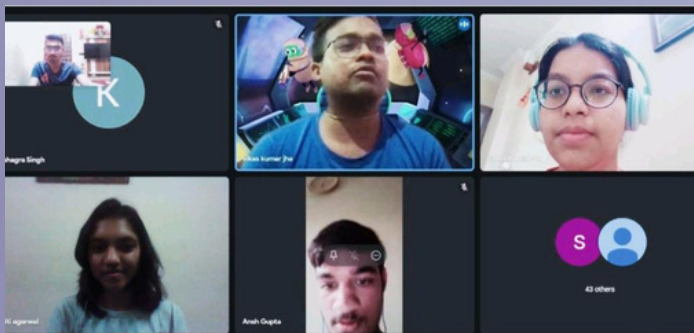| S.No | Batch | Photo | Name | Roll No. | Company Name | Company Profile | Designation |
|------|-------|-------|------|----------|--------------|-----------------|-------------|
| 1 | 2018-22 |  | Jagmohan Rai | 00614807219 | Autocure Technologies Private Limited | Daily based Car Cleaning Services | Director |
| 2 | 2018-22 |  | Himanshu Goyal | 20714802718 | Engdoc Neetjee Eduserv Pvt Ltd | Non-govt company (Private) | Director |
| 3 | 2018-22 |  | Yash Gupta | 42014802718 | Plutus Sales | E-Commerce | Proprieter & Partner |
| 4 | 2018-22 |  | Utkarsh Srivastava | 03396402718 | Hackstrap Technologies Pvt Ltd | Company limited by Shares | Director |

# STUDENTS PURSUING HIGHER EDUCATION

| S.No | Batch | Photo | Name | Roll No. | Name of Course | University | Place |
|------|-------|-------|------|----------|----------------|------------|-------|
| 1 | 2018-2022 |  | Tanya Goel | 36614802718 | MS in Computer Science | Stevens Institute of Technology | Hoboken, New Jersey, US |
| 2 | 2018-2022 |  | Ishaan Kalra | 35414802718 | Masters of Engineering | Mcmaster University | Canada |
| 3 | 2018-2022 |  | Harshita Chadha | 35314802718 | Master of Science in Computer Science | The George Washington University | Washington D.C., USA |
| 4 | 2018-2022 |  | Yashika Khurana | 36814802718 | Masters of Science in Computer Science | New York University | United States |
| 5 | 2018-2022 |  | Siddharth Seth | 09914802718 | MBA | Symbiosis International University | Pune |
| 6 | 2018-2022 |  | Rishaabh Mittal | 35596402718 | MSc Finance | University of Bath | Bath Somerset, United Kingdom |
| 7 | 2018-2022 |  | Tanya Batra | 4261480278 | MBA | FMS | Delhi |

# TechCom-MAIT
# SOCIETY OF THE DEPARTMENT



## SENIOR JUNIOR INTERACTION

TechCom the official technical society of department of Computer Science & Engineering, MAIT, on Saturday, 19th March 2022, conducted an online session on "Senior-Junior interaction".

MAIT alumni Mr. Vikas Kumar Jha, who is an SDE-II at Google, along with 6-star in Codechef and Expert in Codeforces was invited for this event.

TechCom received an overwhelming response of more than 140 + form registrations for this event, of which almost 70+ participants turned up at the event.

The topics discussed during the event ranged from competitive programming to mental health and college life. Mr. Vikas also threw some light on his experience as a student in MAIT, and the lessons he took from his 4 years of engineering. A question and Answer session was arranged at the end, where the students enthusiastically tossed their questions and doubts to the speaker. Needless to say, everyone left the event brimming with knowledge.

The event was organized by TechCOM team under the supervision of student coordinator Mr. Harsh Rajput & gracefully hosted by Ms. Aditi Agarwal and Ms. Swati Goel.
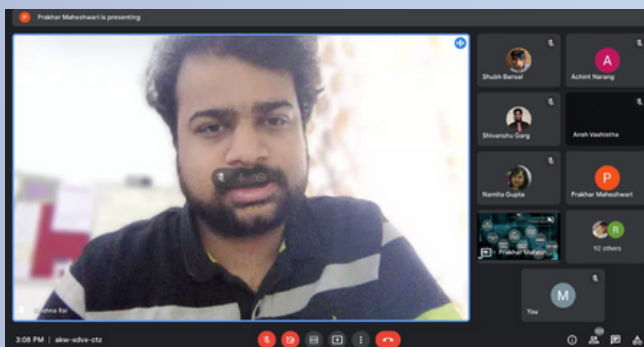
## POSTER MAKING COMPETITION

TechCOM in collaboration with IIC MAIT, organized Poster Making competition to celebrate National Technology Day (11th May) on 30th May 2022.

All the participants registered themselves for the event. There were around 33 registrations. Participants reached the venue with all the materials required like drawing sheets, color palettes, and other materials. The theme of the competition was 'Technology Day'. Technology, like art, is a soaring exercise of human imagination. Such competitions help to enhance their observation skills, response to thoughts, awareness, and concern about technology. Participants were required to demonstrate their creativity within 2 hours. Creative minds expressed their creativity using beautiful colors and designs.

The Competition was judged by Prof. Namita Gupta(HOD, CSE), Prof. M L Sharam(HOD, IT), Ms. Savita Sharma( Assistant Professor, CSE, MAIT), Ms. Kavita Saxena(Faculty Co-Ordinator, TechCOM), Ms. Deepti Gupta(Faculty Co-Ordinator, TechCOM).

All the participants were given valuable feedback on their posters by our respected judges.

# IOSD
# Student Developers Society















## Orientation Session

International Organisation of Software Developers, the student chapter in MAIT, successfully organized an Online Orientation Session for the students on 19th February 2022, at 3:00 pm on MS Teams.

We would like to thank Dr. Namita Gupta, HOD-CSE department, MAIT, Ms. Garima Gupta, and Mr. Vinay Kumar Saini, Faculty Advisors, IOSD-MAIT for encouraging the students with their presence and support.

We received an overwhelming response from the students that ultimately fetched an enormous crowd of 130+ enthusiasts in the orientation session attending the Live Stream.

The founder of IOSD - Mr. Krishna Rai took the charge of leading the orientation with fun, grace, and poise, he presented details about the society, including projects done, events organized, and more which were very engaging and attracted the interest of all present.

An active and informative junior-senior interaction was held that was based on tech projects, internships, SIG's, hackathons, and various open tech resources.

This event was to create awareness among the students about the past history, the present scenario, and the better future plans of the society and how it could be helpful for them to get more technically sound and familiar with new trends in technology.

This was followed by a QnA session which answered many doubts of the students related to IOSD and technology in general.

After the orientation was over, we got positive feedback in abundance from the students consequently making the event a true success.

## DEV WEEK

DATE :  16 JAN  - 21 JAN 2023

VENUE: MAIT Campus (offline)

IOSD MAIT organised DEV week from 16 Jan to 21 Jan 2023 in offline mode.

During DEV WEEK ,our domain heads shared information about their domains and offer guidance to help attendees to develop an interest in them.Each session was full of enthusiasm and energy. Around 20-30 students were present in each session.

The schedule was as followed for the week:

- Monday: DSA and Competitive programming

Speaker: Sachin Punia and Ayush Gupta

- Tuesday: WEB DEVOLOPMENT

Speaker: Kushagra Jain and Karanjot Singh

- Wednesday:AI/ML

Speaker: Darpan Channa

- Thursday:Android/Flutter

Speaker: Kashvi Garg and Sparsh Chadha

- Friday: UI/UX

Speaker: Bhumika Arora

# IOSD
# Student Developers Society



## iMPULSE TECH FEST

IOSD MAIT successfully organized the third version of our tech-fest series, "IMPULSE". Impulse aims to provide students with a world-class technical experience, to inspire and inculcate critical thinking among them by enhancing their problem-solving skills and promote indigenous self-made technology.

During this two day event, college students from all over India participated in variety of events. Special arrangements were made to allow Non-MAIT participants to participate virtually.

From SUDO SOLVE, the event, especially for the coding geeks to gaming where BGMI players were slashing the enemies to get to the finals. WEB WIZARD, an UI/UX Designing event which encouraged participants to develop and design a true work piece by digging deep into their imagination and converting it into a real and fascinating wonder. HOURGLASS a chess competition was also organized for all the future Grandmasters out there to compete. But the most special event was HackMAIT 3.0, a 36-hours hackathon, where the winners were awarded with prizes like goodies, swags much more.

A special Interactive and comprehensive seminar by Kirti Gera, DSA mentor at GeeksForGeeks was organized on how to shape your B.Tech. into a very productive and result-oriented graduation program, discussion on Placement Scenario, preparation for Placements and vital information and guidance about the Tech and IT world.
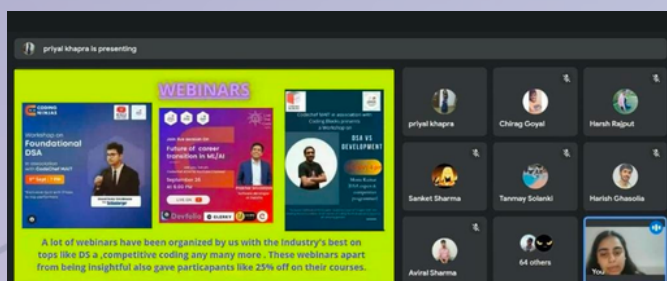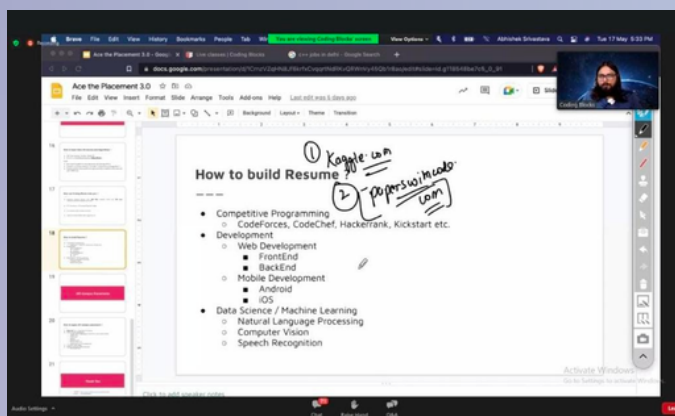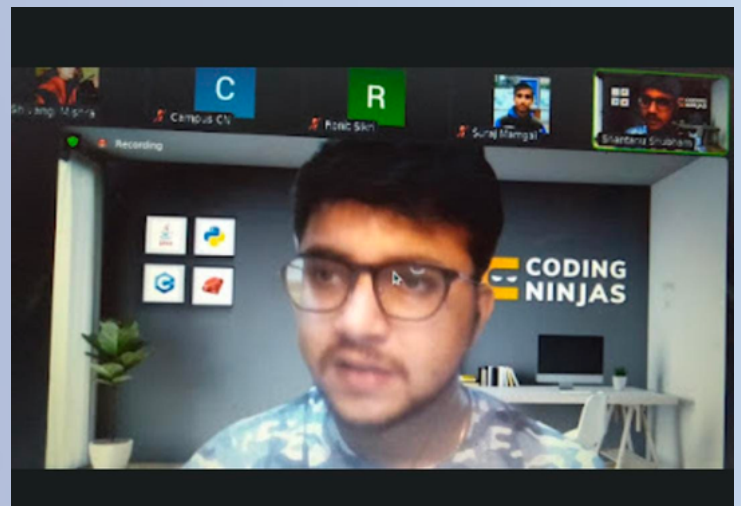
# CodeChef
# Student Coding Society



## #6Companies30Day initiative

This was an initiative organized in collaboration with Arsh Goyal in the month of January, 2022. It was a 30 day program to revise Data Structure and Algorithms. In the process, students were given referrals, surprises, mentorship and practice problems. The event was a huge success with over 80 students successfully completing the challenge.





## ORIENTATION

Codechef Chapter Mait organized its orientation on 5th March 2022 under the 2022 chapter leads. We had Chirag Goyal, A DSA enthusiast and an alumnus as our main speaker. Further we talked about the different teams under Codechef Chapter MAIT,our events and ended with what new things we have planned for the upcoming year and a Q/A section. The event was a grand success with close to 100 participants.

# INTERNATIONAL SYMPOSIUM SNSFAIT-2022

Department of Computer Science & Engineering, Maharaja Agrasen Institute of Technology, Delhi in collaboration with IEEE Communication Society Delhi Chapter have organized an International Symposium on Securing Next-Generation Systems using Future Artificial Intelligence Technologies (SNSFAIT-2022) on 29th July 2022.

SNSFAIT-2022 has been organised with the objective of bringing together innovative scientists, professors, research scholars, students and industrial experts in the field of Next Generation Systems to a common forum. SNSFAIT-2022 have received more than 90 papers from 28 countries and only 23 papers from 16 countries have been accepted for publication in the Computer & Electrical Engineering Journal indexed in SCI with impact factor of 4.15.

The Symposium has been organized in Hybrid mode, where a total of 125 participants have attended the events; 45 of them have attended it in physical mode while other 80 participants have attended it in virtual mode via ZOOM Platform. The events was graced by the presence of the chief guest Prof. Pravin Chandra, Dean USICT,GGSIPU, Sh. S.P. Aggarwal, Executive Chairman MATES, Prof. Oscar Castillo, Tijuana Institute of Technology Mexico, Prof. Manu Malek, Steven Institute of Technology, New Jersey, USA, Sh. Prashant Chugh, CHAIR IEEE ComSoc Delhi Chapter and Program Leader C-DoT, Prof. Neelam Sharma, Director MAIT, Prof. S.S Deswal, Dean Academics MAIT, Prof Namita Gupta, HoD-CSE and other respected HoDs and faculty members.

This international symposium have witnessed speakers from 7 different countries (Mexico, USA, UAE, India, Australia, Saudi Arabia, Sweden) who delivered their talk on various topics related to Securing Next-Generation Systems using Artificial Intelligence Technologies.
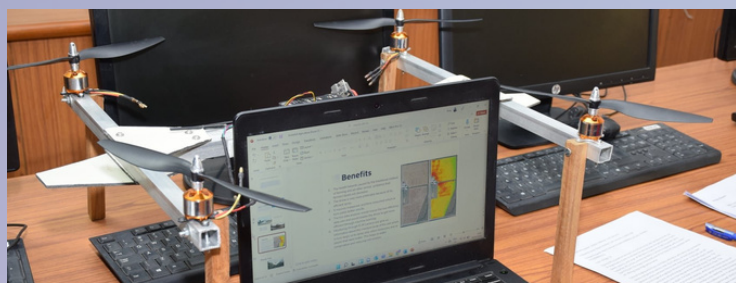
# STUDENT ACHIEVEMENTS

## TECHNICAL AWARDS

| Enrollment number | Student Name | Event Name | Category | Date of event | Prize/ Position |
|---|---|---|---|---|---|
| 14414803120 | Vishal | Tryst, IIT Delhi, CodeSapiens | National | 15 April,2022 | Second Prize ₹15000 |
| 12614803120 | Suryash Kumar Jha | Tryst, IIT Delhi, CodeSapiens | National | 15 April,2022 | Second Prize ₹15000 |
| 02996402719 | Saurav Khan | Smart o hack | National | 25th March,2022 | First Prize ₹7000 |
| 04296402719 | Ashish Kumar | Smart o hack | National | 26th March,2022 | First Prize ₹7000 |
| 02296402719 | Prabhat | CODEKAZE BY CODING NINJAS | International | 13th March,2022 | Prize ₹1000 |
| 00496402720 | Aditi Agarwal | Google Solution Challenge 2022 | International | 30 March,2022 | among Top 50 |
| 01396402720 | Arjun K Haridas | Google Solution Challenge 2023 | International | 30 April,2022 | among Top 50 |
| 03696402720 | Shalini Chaudhary | Smart India Hackathon 2022 | National | 29th March,2022 | among Top 15 |
| 14414802719 | Vikas Kumar | Smart 'O' Hack | National | 25th-26th March,2022 | First Prize, Rs.7000/- |
| 11814802719 | Shivam Singh | Smart 'O' Hack | National | 25th-26th March,2022 | 2nd Prize, Rs.5000/- |
| 10914802719 | Saksham Sharma | Smart 'O' Hack | National | 25th-26th March,2022 | 2nd Prize, Rs.5000/- |
| 12614802719 | Trijal Bhardwaj | Smart 'O' Hack | National | 25th-26th March,2022 | 2nd Prize, Rs.5000/- |
| 10714802719 | Abhishek Jain | Smart 'O' Hack | National | 25th-26th March,2022 | 2nd Prize, Rs.5000/- |
| 7814802719 | Udit Takkar | Crossknot Hacks | National | 17th April,2022 | First Prize |

## CULTURAL AWARDS

| Enrolment number | Student Name | Event Name | Prize Amount | Date of event | Place of event |
|---|---|---|---|---|---|
| 04896402721 | Shivi Mishra | Zen Art(IIT D) | 1000 | 27/4/2022 | IIT Delhi (Rendezvous'22) |
| 04896402721 | Shivi Mishra | Yoga awareness among the youth(poster making) | 3100 | 10/5/2022 | MAIT |

## PITCHING COMPETITION

MAIT IIC Council organised a Pitching competition on Proof of Concepts developed by B.Tech. students of Maharaja Agrasen Institute of Technology at Department of Computer Science & Engineering on 28th February 2022. Seven teams of Hardware and Software have participated in this competition. The Competition of ideas/PoC was based on Innovation and Startup. Prof. Namita Gupta, (MAIT IIC President) organised the whole event. Dr. Javed Ahmad, Dr. Pooja Gupta, Mr. Anupam Kumar and Ms. Nidhi Sengar evaluated the ideas presented in the competition. Mr. Ashish Sharma, Ms. Ruchi Goel and Ms. Savita Sharma coordinated the event.

# HACHATHONS

## SIH-2022 Internal Hackathon

An Internal Institute Level Hackathon - SIH2022 was organised at Maharaja Agrasen Institute of Technology Delhi on 21st March 2022. 73 Teams have registered their ideas for the event in hardware and software categories. 10 teams were shortlisted & 5 teams were wait listed to represent MAIT for SIH 2022.

Prof. R. K. Agarwal, JNU , Prof. Anurag Jain, USICT, GGSIPU, Prof. R. S. Gupta ( Ex-Prof , DU) evaluated their ideas during the internal SIH 2022 . Ms. Neetu Garg, Dr. Sandeep Tayal, Ms. Garima Gupta, Ms. Ruchi Goel, Mr. Ashish Sharma coordinated the entire event under the guidance of SPOC (Prof. Namita Gupta)







## Smart-O-Hack

A 2-day Online Smart cities Hackathon " Smart-O-Hack was organized by Maharaja Agrasen Institute of Technology (MAIT), Delhi  on 25-26 March 2022 in collaboration with Netaji Subash University of Technology (NSUT), Delhi, India under the flagship of IEEE Smart Cities. Aim was to develop some of the innovative solutions of unmet needs of a smart city. Top three winning teams was awarded and all participants received participation certificate.

# STUDENT ACHIEVEMENTS

| S.No. | Student Name | Enrollment Number | Paper Title | Name of Journal | ISSN | Month and year of publishing |
|---|---|---|---|---|---|---|
| 1 | Arpit Goel, Upmanyu Agrawal, Aniket Singh | 41814802718 | Analysis of Web Scraping and Text-Based Extraction | International Journal of Scientific Research in Engineering and Management (IJSREM) | 2582-3930 | 1/1/2022 |
| 2 | Sachin | 09014802718 | Online Music Recommendation and Streaming | International Journal for Modern Trends in Science & Technology | 2455-3778 | 1/1/2022 |
| 3 | chandan kumar | 41414802717 | Hill Climb Game Play With Webcam Using OpenCV | International Journal of Current Research | 2321-9653 | 1/10/2022 |
| 4 | Surbhi Tyagi | 10014802718 | Electronics Tweaker | International Research Journal of Modernization in Engineering Technology and Science | 2582-5208 | 1/12/2022 |
| 5 | Himanshi | 40396402718 | Prediction of diabetes using machine learning algorithms | IRJMETS | 25825208 | 1/29/2022 |
| 6 | Tannu Sharma | 20314802718 | Driver Fatigue Detection using Machine Learning | International Journal for Research in Engineering and Emerging Trends (IJREET) | 2545-4523 (Online) | 1/11/2022 |

# FACULTY ACHIEVEMENTS

## JOURNAL PAPERS

| S.No | Author Name | Title of the Research Paper | Month & Year of publication | | Name of the Journal | ISSN/ ISBN No. |
|---|---|---|---|---|---|---|
| 1 | Ajay Tiwari | ANALYSIS OF WEB-SCRAPING AND TEXT-BASED EXTRACTION | Jan | 2022 | International Journal of Scientific Research in Engineering and Management (IJSREM) | 2583-1062 |
| 2 | Ashish Khanna, Deepak Gupta | Internet of Agents System for Age and Gender Classification using Grasshopper Optimization with Deep Convolution Neural Networks | March | 2022 | Expert Systems | 1468-0394 |
| 3 | Ashish Khanna, Deepak Gupta | Artificial Intelligence Enabled Intrusion Detection Systems for Cognitive Cyber-Physical Systems in Industry 4.0 Environment | Jan | 2022 | Cognitive Neurodynamics | 1871-4099 |
| 4 | Ashish Khanna | Explainable Framework for Glaucoma Diagnosis by Image Processing and Convolutional Neural Network Synergy: Analysis with Doctor Evaluation | June | 2022 | Future Generation Computer Systems | 0167-739X |
| 5 | Ashish Sharma | Augmenting Trust by Combining Machine Learning and Block Chain | Jan | 2022 | International Journal of Advances in Electronics and Computer Science-IJAECS | 2394-2835 |
| 6 | Ashish Sharma | Decentralized Crowd-Funding Using Blockchain | March | 2022 | International Journal 0f Progressive Research In Engineering Management And Science (IJPREMS) | 2583-1062 |
| 7 | Deepak Gupta | Machine Learning Assisted Methodology for Multiclass Classification of Malignant Brain Tumors | April | 2022 | IEEE Access | 2169-3536 |
| 8 | Deepak Gupta | Data Driven Predictive Maintenance Applications for Industrial Systems with Temporal Convolutional Networks | June | 2022 | Computers & Industrial Engineering | 0360-8352 |
| 9 | Deepak Gupta | Intrusion Detection System on IoT with 5G Network Using Deep Learning | May | 2022 | Wireless ommunications and Mobile Computing | 1530-8669 |
| 11 | Deepak Gupta | Oppositional Chaos Game Optimization Based Clustering with Trust Based Data Transmission Protocol for Intelligent IoT Edge Systems | Feb | 2022 | Journal of Parallel and Distributed Computing | 0743-7315 |
| 12 | Deepak Gupta | Intelligent Ensemble of Voting based Solid Fuel Classification Model for Energy Harvesting from Agricultural Residues | May | 2022 | Sustainable Energy Technologies and Assessments | 2213-1388 |
| 13 | Deepak Gupta | Explainable Framework for Glaucoma Diagnosis by Image Processing and Convolutional Neural Network Synergy: Analysis with Doctor Evaluation | June | 2022 | Future Generation Computer Systems | 0167-739X |

# FACULTY ACHIEVEMENTS

## JOURNAL PAPERS

| S.No | Author Name | Title of the Research Paper | Month & Year of publication | | Name of the Journal | ISSN/ ISBN No. |
|---|---|---|---|---|---|---|
| 14 | Deepak Gupta | Design of Cultural Emperor Penguin Optimizer for Energy-Efficient Resource Scheduling in Green Cloud Computing Environment | July | 2022 | Cluster Computing | 1573-7543 |
| 15 | Deepak Gupta | Design of Peer-to-Peer Energy Trading in Transactive Energy Management for Charge Estimation of Lithium-ion Battery on Hybrid Electric Vehicles | Jan | 2022 | Electric Power Systems Research | 0378-7796 |
| 16 | Deepak Gupta | A Novel Metaheuristics with Adaptive Neuro-Fuzzy Inference System for Decision Making on Autonomous Unmanned Aerial Vehicle Systems | May | 2022 | ISA Transactions | 0019-0578 |
| 17 | Karuna Middha | Prediction of Diabetes using Machine Learning Algorithms | March | 2022 | International Research Journal of Modernization in Engineering Technology and Science | 2582-5208 |
| 18 | Moolchand Sharma | A new blockchain and fog computing model for blood pressure medical sensor data storage | June | 2022 | Computers and Electrical Engineering | 0045-7906 |
| 19 | Prerna Sharma | A novel quantum-inspired binary bat algorithm for leukocytes classification in blood smea | Feb | 2022 | Expert Systems | 1468-0394 |
| 20 | Prerna Sharma | Fetal state health monitoring using novel enhanced binary bat algorithm | May | 2022 | Computers and Electrical Engineering | 0045-7906 |
| 21 | Sakshi Jha | Secured Document Storing Using Blockchain | June | 2022 | International Journal for Research Trends and Innovation | 2456-3315 |
| 22 | Savita Sharma | Pest Detection in Plants Using Convolutional Neural Network | April | 2022 | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | 2321-9653 |
| 23 | Yogesh Sharma | BLOCKCHAIN TECHNOLOGY IN PREVENTING THE THEFT OF HUMAN ORGAN AND RARE BLOOD GROUP | May | 2022 | Turkish Journal of Physiotherapy and Rehabilitation | 26514451 |
| 24 | Yogesh Sharma | Anti-Counterfeit Product System Using Blockchain Technology | Jan | 2022 | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | 2321-9653 |

# FACULTY ACHIEVEMENTS

## CONFERENCE PAPERS

| S.No | Author Name | Title of the Research Paper | Month & Year of publication | | Name of the International Conference | ISSN/ ISBN No. |
|---|---|---|---|---|---|---|
| 1 | Moolchand Sharma | Exploration Study of Ensembled Object Detection Models and Hyperparameter Optimization | July | 2022 | International Conference on Computing and Communication Networks | 978-981-19-0604-6 |
| 2 | Sandeep Tayal | A Comprehensive Framework for the IoT-Based Smart Home Automation Using Blynk | June | 2022 | Information and Communication Technology for Competitive Strategies (ICTCS 2021) | https://doi.org/10.1007/978-981-19-0098-3_6 |

## PATENTS

| S.No. | Faculties / Inventors Name | Patent Application Number | Title of Invention | Patent Filing Country | Publication Date |
|---|---|---|---|---|---|
| 1 | Ashish Sharma, Yogesh Sharma, Dr Sandeep Tayal, Savita Sharma | 202241012283 | Design System of Medical Ultrasound and CT image Classifi cation usingCNN | India | 3/18/2022 |
| 2 | Kajol Dahiya | 202241014262 | Design System of Medical Ultrasound image Classifi cation using Deep Learning | India | 3/25/2022 |
| 3 | Sudha Narang | B64C 39/02 | Biomimetically designed intelligent drone for weed removal on agricultural crops using artificial intelligence and deep learning | Germany | 1/20/2022 |
| 4 | Saurabh Rastogi | 202241019060 | Design system of IoT Driven Eyeball and Gesture-Controlled Smart Wheelchair System for Disabled Person | India | 4/8/2022 |

# FACULTY ACHIEVEMENTS

## BOOKS PUBLISHED

| S.NO | Author | Details of publication | Month & Year of Publication | | ISSN/ ISBN No, |
|------|--------|------------------------|---------|------|----------------|
| 1 | Deepak Gupta | Data Analytics and Management (Proceedings of ICDAM 2020) | April | 2022 | 978-9-811-58334-6 |
| 2 | Ashish Khanna, Deepak Gupta | Soft Computing for Analytics, Image Classification and Control | March | 2022 | 978-3-030-92026-5 |
| 3 | Ashish Khanna, Deepak Gupta | Wearable Telemedicine Technology for the Healthcare Industry | May | 2022 | 978-0275975883 |
| 4 | Ashish Khanna, Deepak Gupta | Deep Learning for Medical Applications with Unique Data | Feb | 2022 | 9780-1282-41462 |
| 5 | Ashish Khanna, Deepak Gupta | Virtual and Augmented Reality for Automobile Industry: Innovation Vision and Applications | April | 2022 | 978-3-030-94102-4 |
| 6 | Ashish Khanna, Deepak Gupta | Biomedical Data Analysis and Processing using Explainable (XAI) and Responsive Artificial Intelligence (RAI) | May | 2022 | 978-981-19-1476-8 |

You don't have to be great to start, but you have to start to be great.

Zig Ziglar

The only place where **success comes before work** is in the dictionary.

– Vidal Sassoon

# FACULTY ACHIEVEMENTS

## FACULTY DEVELOPMENT PROGRAM

| S.No | Faculty Name | Details of the FDP Attended | FDP held | | Duration | Place |
|---|---|---|---|---|---|---|
| | | | From | To | | |
| 1 | Mr. Ashish Sharma, Ms. Karuna Middha | One-week National Faculty Development Program on "Research Trends in Data Analytics, Information Security and its Applications" | 9th March 2022 | 13th March 2022 | One Week | Chandigarh University, Mohali, |
| 3 | Dr. Namita Gupta, Mr. Alok Sharma, Mr. Ashish Sharma, Mr. Saurabh Rastogi, Mr. Sandeep Tayal | Faculty Development Program on Evaluation and Setting of Question Papers | 11th July 2022 | 15th July 2022 | One Week | Education and Educational Management Department, NITTTR |

## WORKSHOPS ATTENDED

| S.No | Name of the Faculty Member | Details of the Workshop Attended | Workshop held | | Duration | Address of the Place where Workshop held |
|---|---|---|---|---|---|---|
| | | | From | To | | |
| 1 | Mr. Moolchand Sharma | National Intellectual Property Awareness Mission | 28th March 2022 | 28th March 2022 | One day | Office of the Controller General of Patents, Design & Trademarks |
| 2 | Mr. Ashish Sharma | One Day NPTEL E-Awareness workshop | 12th Jan 2022 | 12th Jan 2022 | One day | IIT MADRAS |

# New Education Policy (NEP 2020)

All India Council of Technical Education (AICTE) has organised conclave on 'Implementation of National Education Policy (NEP) 2020: Facilitating Engineering Education in Indian Languages' on July 15, 2022. The conclave was attended by professor Anil D Sahasrabudhe, chairman, AICTE; professor Chamu Krishna Shastry, chairman, High Powered Committee for the Promotion of Indian Languages, Ministry of Education, Government of India, professor M P Poonia, vice chairman (VC), AICTE along with vice chancellor of technical universities, director of NITs and representatives from professional such as Indian National Academy of Engineering (INAE) to spread awareness about technical education in the Indian Language.

The conclave was divided into different sessions namely 'Genesis and Importance of Education in Mother Tongue', 'Role of the Universities, State Technical Education Department, Regulatory Bodies as an enabler to Impart Technical Education in Indian Languages' and 'Future road map to make outcome-based education accessible in Indian languages.

In alignment with the National Education Policy (NEP) 2020, AICTE has initiated technical education in Indian Languages in the year 2021-22. To provide the course material in Indian Languages, AICTE has introduced 'AICTE Technical Book Writing and Translation' in 12 Indian languages which include include Hindi, Marathi, Bengali, Tamil, Telugu, Gujarati, Kannada, Punjabi, Odia, Assamese, Urdu and Malayalam.

Faculty Members Mr. Ashish Sharma, Mr Yogesh Sharma and Dr Sandeep Tayal from Department of Computer Science and Engineering, MAIT attended the event.

# IIC-MAIT (Institute Innovation Council )

## REGIONAL MEET

The 3rd regional meet of IIC institutions from North-West Region (J&K, HP, UK, Punjab, Haryana, Delhi, Chandigarh UT) was held at Chandigarh University on 26th July 2022. More than 450+ Faculty representatives from 270+ HEIs took part in this IIC regional meet along with 45+ Arts and Science colleges. 75+ innovations and 70+ IIC posters were also exhibited during the meet. More than 10+ incubators, state agencies, IP firms and ecosystem enablers from the state of Punjab and Haryana and Chandigarh were part of the round table discussion to strengthen the their relation with educational institutions. Hon'ble Member Secretary, AICTE, Prof. Rajive Kumar had graced the occasion as Chief Guest. Prof Namita Gupta( HoD-CSE and IIC-MAIT President), Mr.Alok Sharma ( IIC-MAIT Convener), Mr Anupam Kumar (MAIT IIC- Innovation activity coordinator) and Prof M. L. Sharma ( HoD-IT and IIC Member) participated in the event.



## Visit to IID

Prof. Namita Gupta ( HoD, CSE and President IIC,MAIT) , Alok Sharma ( Convener, IIC MAIT) along with IIC MAIT Coordinators and members Ms. Ruchi Goel,Mr. Anupam Kumar , Dr Pooja Gupta, Mr Ashish Sharma , Dr Deepak Gupta visited Institute for Industrial Development (IID), a business incubator under Public Private Partnership with Ministry of Micro, Small and Medium Enterprises (MSME) & Samadhan Samiti, at Gandhi Darshan, KVIC Pavilion, Rajghat New Delhi on 30th March 2022. Visit was primarily to explore the role of IID in entrepreneurship development, skill development and providing industrial knowledge to students of MAIT through future collaborations.

IID was set up as a virtual business incubator to educate, update, train professionals and entrepreneurs and guide them with the latest technology, schemes, manufacturing processes, machinery details, project cost etc. It primarily discharges its responsibilities, through online and offline training, of entrepreneurship development on behalf of Ministry of MSME. IID is also a "START-UP Incubator" promoted by Government of Uttar Pradesh. focused more on their key area of education while IID is focused on entrepreneurship.

## VISIT TO DRDO

Defence Institute of Psychological Research (DIPR), DRDO organized a workshop on "Problem Solving Techniques" on 14th and 15th March 2022. Personnel selection research, organisational behaviour, and the human factor are the major areas of research at the Defence Institute of Psychological Research (DIPR). Faculty members from the CSE Department, Dr. Pooja Gupta, Ms. Ruchi Goel and Dr. Farzil Kidwai, as well as 19 students from the CSE department, attended the workshop.

Students were given various case studies to work on. There were three rounds of grading for the students. DIPR personnel and academic experts were involved in the review process. The first round was an individual round in which students had to comprehend the challenges before narrating them to a panel of specialists. The second stage was the group discussion round in which students were required to discuss the same case study in groups. The third round was the Board Conference.

## Visit to Science & Technology Mega Expo

A week-long commemoration titled Vigyan Sarvatra Pujyate is being held from February 22 to 28 simultaneously in 75 locations across the length and breadth of the country, apart from the national capital of Delhi. As a feather in the cap, a Science & Technology Mega Expo, National Science Book Fair are being organised in New Delhi's Jawaharlal Nehru stadium.

This programme has been designed to inspire India's youth and help them navigate into building a progressive nation, bring to the fore stories of people in science who made these achievements possible; reinforce the commitment of the scientific community towards the economic and social development of the country, present the awe inspiring futuristic mega science projects embarked by the nation and highlight the work being done by R&D organizations from across the country, as they lead science and technology efforts on the road to 2047. The event displayed the country's scientific legacy and technology prowess that has helped find solutions to defence, space, health, agriculture, astronomy, and other sectors.

8 Faculty Members from MAIT, along with around 100 students from the institute visited the place. From the CSE Department: faculty members Mr Ashish Sharma and Ms.Savita Sharma, along with students of the department visited the event on 24th Feb 2022.