

Volume 14, Issue 1
Jan-July, 2023

तेजस गणक

Official Newsletter
Department of Computer Science & Engineering

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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.

HISTORY OF DEPARTMENT

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.**

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. Prerna 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**



PLACEMENTS (2023)

PLACEMENTS (2019-2023) BATCH

S.NO.	COMPANY	TOTAL STUDENT PLACED
1	Adobe	1
2	Accenture	35
3	Adobe	1
4	Amazon	6
5	Biz2credit	3
6	Cardekho-Rupyy	8
7	Cognizant	33
8	Corevalue Technologies	6
9	Deloitte	7
10	DeltaX	1
11	Freecharge	1
12	FreeStand	1
13	Goldman Sachs	2
14	Google (intern)	1
15	Hexaware Technologies	6
16	Hono.ai	1
17	Hono.ai 2.0	1
18	Info Edge	5
19	Infosys	24

PLACEMENTS (2019-2023) BATCH

S.NO.	COMPANY	TOTAL STUDENTS PLACED
20	Infosys (InfyTQ)	10
21	InsuranceDekho	2
22	Intervue	1
23	IONTrading	1
24	Josh Technologies (Front-end)	2
25	Josh Technologies (software Developer)	1
26	Krishify	1
27	Kylo apps(intern)	2
28	Libsys	4
29	Lowe's India	2
30	Microsoft	2
31	Polestar Solutions	9
32	Posist Technologies	2
33	SHL	3
34	Sopra Banking	2
35	Sopra Steria	3
36	TCS	3
37	ZoomRX	4
38	ZS Associates	26

TOP PLACEMENTS (2019-2023) BATCH



Aayushi Mittal
21114802719
Company: Adobe
Package: 40+ LPA



Ashish Papanai
02314802719
Company: Amazon
Package: 32 LPA



Apoorv Dwivedi
01196402719
Company: Intervue
Package: 26 LPA



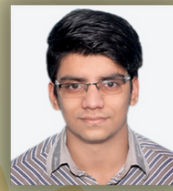
Anshika Agrawal
01396402719
Company: Goldman Sachs
Package: 24 LPA



Sahil chawla
05914802719
Company: Josh Technology Group
Package: 17.4 LPA



Udit Agarwal
12914802719
Company: Amazon
Package: 15 LPA



Chaitanya Vishnu Bhatt
12514802719
Company: ZS Associates
Package: 13.65 LPA



Kunal Girdhar
01714802719
Company: ZS Associates
Package: 13.65 LPA



Prachi bansal
36614802719
Company: Microsoft
Package: 52 LPA



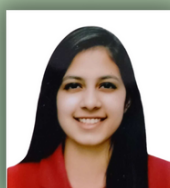
Vidushi Tyagi
36814802719
Company: Adobe
Package: 40+ LPA



Ria Monga
13514802719
Company: Intuit
Package: 30 LPA



Megha Gupta
35414802719
Company: Goldman Sachs
Package: 24 LPA



Disha Bhardwaj
35396402719
Company: Lowe's
Package: 18.3 LPA



Harshit Mittal
06714802719
Company: Amazon
Package: 15.2 LPA



Ankit Goel
00296402719
Company: Josh Technology Group
Package: 14.75 LPA



Kanaishk Garg
7714802719
Company: ZS Associates
Package: 13.65 LPA



TOP PLACEMENTS (2019-2023) BATCH

S.NO.	NAME OF STUDENT (ROLL NO.)	ORG./COMPANY NAME	PACKAGE (in LPA)
1	Prachi bansal 36614802719	Microsoft	52
2	Vidushi Tyagi 36814802719	Adobe	40+
3	Aayushi Mittal 21114802719	Adobe	40+
4	Ashish Papanai 02314802719	Amazon	32
5	Ria Monga 13514802719	Intuit	30
6	Apoorv Dwivedi 01196402719	Intervue	26
7	Anshika Agrawal 01396402719	Goldman Sachs	24
8	Megha Gupta 35414802719	Goldman Sachs	24
9	Disha Bhardwaj 35396402719	Lowe's	18.36
10	Sahil chawla 05914802719	Josh Technology Group	17.4
11	Harshit Mittal 06714802719	Amazon	15.2
12	Udit Agarwal 12914802719	Amazon	15
13	Ankit Goel 00296402719	Josh Technology Group	14.75
14	Kunal Girdhar 01714802719	ZS Associates	13.65
15	Akshit Mehra 02914802719	ZS Associates	13.65








16	Chaitanya Vishnu Bhatt 12514802719	ZS Associates	13.65
17	Kanaishk Garg 7714802719	ZS Associates	13.65
18	Kanishk Bhadauria 1214802719	ZS Associates	13.65
19	Manan Sahni 1014802719	ZS Associates	13.65
20	Nikhil Jha 3414802719	ZS Associates	13.65
21	Saurav raj 7514802719	ZS Associates	13.65
22	Shubhang Sharma 36714802719	ZS Associates	13.65
23	Trijal Bhardwaj 12614802719	ZS Associates	13.65
24	Chirag Shangle 1614802719	ZS Associates	13.65
25	Shrey Bishnoi 12014802719	ZS Associates	13.65
26	Shrishty Jain 1914802719	ZS Associates	13.65
27	Abhishek Jain 10714802719	ZS Associates	13.65
28	Ankit Kumar Verma 1596402719	ZS Associates	13.65
29	Aparna Jha 3914802719	ZS Associates	13.65
30	Gaurav Chhapliyal 1514802719	ZS Associates	13.65
31	Kashika Jain 2714802719	ZS Associates	13.65
32	Prakhar Sharma 4114802719	ZS Associates	13.65

33	Tarun Kumar 13614802719	ZS Associates	13.65
34	Kriti Mukhija 35314802719	ZS Associates	13.65
35	Amrita Pandey 20814802719	ZS Associates	13.65
36	Gaurav Gulati 11214802719	ZS Associates	13.65
37	Mayank Parashar 11614802719	ZS Associates	13.65
38	Anvi Aggarwal 41996402718	ZS Associates	13.65
39	Saksham Sharma 10914802719	ZS Associates	13.65
40	Dakshay Sachdeva 3214802719	Amazon	13

BUDDING ENTREPRENEURS

S.NO.	NAME OF STUDENT (ROLL NO.)	ORGANISATION NAME	ORGANIZATION DETAILS
1	 Jagmohan rai 00614807219	Autocure Technologies Private Limited	Daily based Car Cleaning Services
2	 Himanshu Goyal 20714802718	ENGDOC NEETJEE EDUSERV Private Limited	Non-govt company (Private)
3	 Yash Gupta 42014802718	Plutus Sales	E-Commerce
4	 Utkarsh Srivastava 03396402718	Hackstrap Technologies Private Limited	Company limited by Shares

STUDENTS PURSUING HIGHER EDUCATION

S.NO.	NAME OF STUDENT (ROLL NO.)	NAME OF COURSE	UNIVERSITY	PLACE
1	 Tanya Goel 36614802718	MS in Computer Science	Stevens Institute of Technology	Hoboken, New Jersey, US
2	 Ishaan Kalra 35414802718	Masters of Engineering	Memaster University	Canada
3	 Harshita Chadha 35314802718	Masters of Science in Computer Science	The George Washington University	Washington D.C., USA
4	 Yashika Khurana 36814802718	Masters of Science in Computer Science	John Hopkins University or NYU	United States
5	 Sidharth Seth 9914802718	MBA	Symbiosis International University	Bath, Somerset, United Kingdom
6	 Rishaabh Mittal 35596402718	Msc Finance	University of Bath	Pune
7	 Tanya Batra 42614802718	Masters of Engineering Management	Cornell/Carnegie Mellon/Duke/Schulich School of Business	USA/USA/USA/ Canada



GSSIPU RESULTS (2023)

GSSIPU RESULTS (2023)

4th Year (till 8th Sem)

S.NO.	ENROLLMENT NO.	STUDENT NAME	PERCENTAGE
1	20114802719	Daksh Duneja	96.40
2	35114802719	Geetika Jhanji	96.30
3	01814802719	Harshit Kathuria	96.30
4	35814802719	Mili Jolly	96.20
5	03514802719	Mayank Jain	95.90



FACULTY ACHIEVEMENTS

BOOK PUBLICATIONS

S.No.	Faculty Name	Title of Book	Publication Month & Year	Publisher	ISBN Number
1	Deepak Gupta	Artificial Intelligence-Enabled Intelligent 6G Networks and Applications	January 2023	Wiley	9781119812647
	Ashish Khanna				
2	Deepak Gupta	Interpretable Cognitive Internet of Things for Healthcare	June 2023	Springer	978-3-031-08636-6
	Ashish Khanna				
3	Deepak Gupta	Explainable Artificial Intelligence for Biomedical Applications	Feb 2023	IEEE	978-8-770-22884-8
4	Yogesh Sharma	Convergence of Blockchain, AI and IoT: A Digital Platform	6 May 2023	CRC PRESS, Taylor & Francis Group	9780367495305
5	Namita Gupta	Second International Symposium on Securing Next-Generation Systems using Future Artificial Intelligence Technologies	May 2023	CEUR Workshop Proceedings	https://ceur-ws.org/Vol-3390/
	Deepak Gupta				

PAPER PUBLICATIONS JOURNAL

S.No.	Faculty Name	Title of Paper	Publication Month & Year	Journal Name	ISSN of Journal
1	Ashish Sharma	A Novel Approach for Automatic Avalanche Detection System	March, 2023	SSRN,Elsevier	
	Dr. Sandeep Tayal				
2	Ashish Sharma	Web3 and blockchain introduction in blogging to maintain user anonymity in SmartCity	March, 2023	SSRN,Elsevier	
	Dr. Sandeep Tayal				
3	Ashish Sharma	Digital Twining in Intelligent Farming Systems	May 2023	CEUR Workshop Proceedings	ISSN 1613-0073
4	Ashish Sharma	Nonstationary time series forecasting using optimized-EVDHM-ARIMA for COVID-19	June 2023	Frontier Big Data	

PAPER PUBLICATIONS JOURNAL

S.No.	Faculty Name	Title of Paper	Publication Month & Year	Journal Name	ISSN of Journal
5	Dr. Sandeep Tayal	Skill Verification System Using Blockchain Technology	March, 2023	SSRN,Elsevier	
6	Dr. Sandeep Tayal	Revamping Healthcare with Web 3.0	March, 2023	SSRN,Elsevier	
7	Dr. Jyoti Kaushik	HVAC Occupancy detection using Ensemble Techniques	March 2023	IRE Journals	
8	Dr. Jyoti Kaushik	Plant Disease Detection	May 2023	IARJSET	
9	Dr. Jyoti Kaushik	Climate Visibility Prediction Using Machine Learning	May 2023	IRJET	
10	Dr. Jyoti Kaushik	Distracted Driver Detection	March,2023	IRJET	

PAPER PUBLICATIONS JOURNAL

S.No.	Faculty Name	Title of Paper	Publication Month & Year	Journal Name	ISSN of Journal
11	Dr. Farzil Kidwai	Smart Quiz (A Challenging and Engaging Learning Game)	07 March 2023	IRE Journals	ISSN 2456-8880
12	Ms. Karuna Middha	An effective feature selection method for type 2 diabetes mellitus detection using gene expression data	31 July 2023	Intelligent Decision Technologies	ISSN 1872-4981 (P), ISSN 1875-8843 (E)
13	Ms. Karuna Middha	Entertainment Content Recommendation System Using Machine Learning	Jan2023	International Research Journal of Engineering and Technology (IRJET)	p-ISSN: 2395-0072 e-ISSN: 2395-0056
14	Ms. Karuna Middha	Aadhar-Based Biometric Identification System for Tracking Missing Persons	January 2023	Iconic Research And Engineering Journals	e-ISSN: 2456-8880
15	Deepak Gupta	Edge-Empowered communication based vehicle and pedestrian trajectory perception system for Smart Cities	9th March 2023	IEEE Internet of Things Journal	2327-4662
16	Saurabh Rastogi	Comparative analysis of kidney failure prediction at an early stage using machine learning algorithms	January 2023	IJEAST	ISSN 2455-2143

PAPER PUBLICATIONS JOURNAL

S.No.	Faculty Name	Title of Paper	Publication Month & Year	Journal Name	ISSN of Journal
17	Deepak Gupta	A Systematic Review on the Internet of Medical Things: Techniques, Open Issues, and Future Directions	June 2023	Computer Modeling in Engineering & Sciences	1526-1492
18	Deepak Gupta	Methodical Systematic Review of Abstractive Summarization and Natural Language Processing Models for Biomedical Health Informatics: Approaches, Metrics and Challenges	May 2023	ACM Transactions on Asian and Low-Resource Language Information Processing	2375-4699
19	Deepak Gupta	IoMT-based smart healthcare detection system driven by quantum blockchain and quantum neural network	3rd July 2023	IEEE Journal of Biomedical and Health Informatics	2168-2194
20	MoolChand Sharma	Evolutionary Algorithm with Graph Neural Network Driven Cyberbullying Detection on Low Resource Asian Languages	July 2023	ACM Transactions on Asian and Low-Resource Language Information Processing	2375-4699
21	MoolChand Sharma	Bio-inspired Algorithm-based Hyperparameter Tuning for Drug-target Binding Affinity Prediction in Healthcare	Vol. Pre-press	Intelligent Decision Technologies	1875-8843
22	MoolChand Sharma	Evolutionary algorithms and artificial intelligence in drug discovery: opportunities, tools, and prospects	February 2023	International Journal of Networking and Virtual Organisations	1741-5225

PAPER PUBLICATIONS JOURNAL

S.No.	Faculty Name	Title of Paper	Publication Month & Year	Journal Name	ISSN of Journal
23	Dr Ashish Khanna	Edge-Empowered communication based vehicle and pedestrian trajectory perception system for Smart Cities	9th March 2023	IEEE Internet of Things Journal	2327-4662
24	Zameer Fatima	Person Identification from Newspapers and Other Archives in English and Hindi to Collect Related Information	March 2023	SSRN,Elsevier	https://ssrn.com/abstract=4381955
25	Sakshi Jha	Blockchain for Improved Water Resource Management	January 2023	International Journalfor Modern Trends in Science and Technology	2455-3778
26	Sakshi Jha	Speech Driven Facial Emotion and Gender Detection	May-June 2023	International Journal of Innovative Research in Engineering	2582-8746
27	Savita Sharma	Ethical Espionage: Balancing Privacy and Information Gathering	June 2023	International Journal for Research in Applied Science & Engineering Technology	2321-9653

PAPER PUBLICATIONS JOURNAL

S.No.	Faculty Name	Title of Paper	Publication Month & Year	Journal Name	ISSN of Journal
28	Dr Ashish Khanna	IoT-cloud based healthcare model for COVID-19 detection: an enhanced k-Nearest Neighbour classifier based approach	Apr 2023	Computing	0010-485X
29	Dr. Yogesh Sharma	A Novel Approach for Automatic Avalanche Detection System	March, 2023	SSRN,Elsevier	
30	Dr. Yogesh Sharma	Web3 and blockchain introduction in blogging to maintain user anonymity in SmartCity	March, 2023	SSRN,Elsevier	
31	Dr. Yogesh Sharma	Skill Verification System Using Blockchain Technology	March, 2023	SSRN,Elsevier	
32	Dr. Yogesh Sharma	Revamping Healthcare with Web 3.0	March, 2023	SSRN,Elsevier	
33	Ruchi Goel	From Video Summarization to Real Time Video Summarization in Smart Cities and Beyond:A Survey	June, 2023	Frontiers in Big data	

PAPER PUBLICATIONS CONFERENCES

S.No.	Faculty Name	Title of Paper	Publication Month & Year	Conference Name	DOI/ISBN Number	Conference Venue	Indexing
1	Ajay Kumar Tiwari	Revamping Social Networking using Blockchain: Conceptual case-study of Lens Protocol	February 22, 2023	International Conference on Innovative Computing & Communication (ICICC)	https://dx.doi.org/10.2139/ssrn.4367051	Delhi	
2	Ajay Kumar Tiwari	Efficient Prediction and Analysis of Monkeypox Skin Lesion: A Comparative Study for Web based Application	23 May 2023	2023 2nd Edition of IEEE Delhi Section Flagship Conference (DELCON)	10.1109/DELCON57910.2023.10127329	Rajpura, India	
	Mini Agarwal						
3	Mr. Ashish Sharma	A Novel Approach for Automatic Avalanche Detection System	21 March 2023	SSRN (ICICC)	https://dx.doi.org/10.2139/ssrn.4392679	Delhi, India	
	Dr. Farzil Kidwai						
	Dr. Yogesh Sharma						
	Dr. Sandeep Tayal						

PAPER PUBLICATIONS CONFERENCES

S.No.	Faculty Name	Title of Paper	Publication Month & Year	Conference Name	DOI/ISBN Number	Conference Venue	Indexing
4	Deepak Gupta	Resumate: A phototype to Enhance Recruitment process with NLP based Resume Parsing	4th July 2023	2023 4th International Conference on Intelligent Engineering and Management (ICIEM)	10.1109/ICIEM59379.2023.10166169	London, UK	
5	Deepak Gupta	Medi-Assist: A Decision Tree based Chronic Diseases Detection Model	4th July 2023	2023 4th International Conference on Intelligent Engineering and Management (ICIEM)	10.1109/ICIEM59379.2023.10167400	London, UK	
6	Saurabh Rastogi	Recommendation mechanism to forge connections between users with similar interests	17-18 February 2023	ICICC-2023		Delhi, India	Scopus
7	Ashish Khanna	Online Recommendation System Using Collaborative Deep Learning	2023	Proceedings of Data Analytics and Management: ICDAM 2022		Poland	Scopus
8	Garima Gupta	Machine Learning based Speech Emotion Recognition in Hindi Audio	11-13 April 2023	7th International Conference on Trends in Electronics and Informatics (ICOEI), 2023	10.1109/ICOEI56765.2023.10125902	Tirunelveli, India	

PAPER PUBLICATIONS CONFERENCES

S.No.	Faculty Name	Title of Paper	Publication Month & Year	Conference Name	DOI/ISBN Number	Conference Venue	Indexing
9	Shallu Juneja	Analysis and study of Bug Classification Quintessence and Techniques for forecasting software faults	June 2023	International Conference on Data Analytics and Management (ICDAM-2023)		London, UK	
10	Shallu Juneja	SummarizeAI-Summarization of the Podcasts	June 2023	Elsevier,SSRN		London,UK	
11	Shallu Juneja	Analyzing and Rating Greenness of Nature-Inspired Algorithms	February 2023	Elsevier,SSRN		Delhi, India	



STUDENTS ACHIEVEMENTS

STUDENT'S TECHNICAL ACHIEVEMENTS

HACKATHON WINNERS

Enrolment number	Name of the Student	Team Name	Name of the event	Level	Prize Amount/ Position	Date of event	Place of event
03114802722	Subhasish Panda	DEVils(Developers & Illustrators)	BitBox 3.0 Hackathon	National	Rs.8000	15/04/23	JIIT,Noida
2214802722	Abir Thakur						
1296402722	Chanmeet Singh Sahni						
3996402722	Ishaan Minocha						
03114802722	Subhasish Panda	HomeBois	Code Feud	Inter College	1st Position, Rs. 1100/-	06/04/23	MAIT
02214802722	Abir Thakur						
02214802722	Abir Thakur		Coding Booth		1st Position, Rs. 1100/-	06/04/23	MAIT
03114802722	Subhasish Panda	DEVils(Developers & Illustrators)	Build-For-Future(IGDT UW & DTU) Hackathon	National	1st position, Rs. 25000/-	02/04/23	DTU-AUV & AssetMantle Student Chapter IGDT UW
02214802722	Abir Thakur						
20214802719	Aastha Aggarwal	Kasukabe Defense Group	Hackhound	State	Best All Girls Team Award and 2nd prize in AI Track	04/03/23	SRM Ghaziabad
03196402721	Shubham Kumar Singh	Chief-emerald-byod	The Big Fix	International	2nd Position	01-02-2023	Online
03696402722	Aman	DEVils (Developers & Illustrators)	Vihaan 6.0(IEEE DTU)	Inter College	Top 15	24/4/2023-25/04/2023	DTU
03114802722	Subhasish Panda						

STUDENT'S ACHIEVEMENTS

ACADEMICS

Enrolment number	Name of the Student	Name of the event	Level	Prize Amount/ Position	Date of event	Place of event
02314802720	Anishk Chhamalwan	Code Crusade	Inter College	2nd Position	24-05-2023	Maharaja Agrasen Institute of Technology

CULTURAL

Enrolment number	Name of the Student	Name of the event	Level	Prize Amount/ Position	Date of event	Place of event
5914802721	Rakesh Kumar	K. C. GARG MEMORIAL DEBATE COMPETITION	Inter College	2nd Position	04-05-2023	Maharaja Agrasen Institute of Technology
35714802722	Devesh Tuteja	MEGA IPL AUCTION	National	2nd	13-4-2023	Rotaract Club of College of Vocational Studies

SPORTS

Enrolment number	Name of the Student	Name of the event	Level	Prize Amount/ Position	Date of event	Place of event
01714802720	Aman	Inter College Basketball Tournament, Techsurge n Mridang 2k23	Inter College	1st Position	06-04-2023	Maharaja Agrasen Institute of Technology

STUDENT ACHIEVEMENTS

Build-For-Future Hackathon 2023

- Ishaan Minocha (Roll No:03996402722),
- Abir thakur (02214802722),
- Subhasish Panda(03114802722),
- Chanmeet Singh Sahni (01296402722)

from 2023 Batch won Build-For-Future Hackathon conducted by AssetMantle IGDTUW and DTU AUV, 24 hour hackathon at BR Ambedkar Audi at DTU.

- Position: 1st Prize Overall
- Prize Amount: Rs. 25000





EVENTS

SEMINAR

Latest Trends in Computer Science

A seminar on “latest Trends in Computer Science and Communication” was conducted by Department of Computer Science and Engineering in collaboration with IEEE ComSoc on 16th March 2023 at 11:00 AM in 131-132 Lab of CSE Department. The speaker of session were Mr. Abhinav Kansal, Chief Cloud Architect from Velocity Clinical Research , Mr. Himanshu Gaur, Managing Partner, Exergy Solutions and Dr. Ashish Khanna ,

Department of Computer Science and Engineering and Department of Computer Science and Technology, MAIT organised a seminar on “Cyber Security and IPv6” in collaboration with National Internet Exchange of India (NIXI) on 21st March, 2023. The Speaker ,Mr. Deepanshu from NIXI discussed IPV6, its security challenges associated with deployment, security threats, more prevalent in IPv6 networks. The event also included a live demonstration of an IPv6 attack, where the speaker demonstrated how an attacker can exploit the vulnerabilities in an IPv6 network to gain unauthorized access.



Associate Professor, CSE Department. Prof. Neelam Sharma, Director, MAIT motivated students to get updated about latest trends in technology. Prof. Namita Gupta, HOD, CSE explained the importance of research in the academics to students, she stressed upon writing research papers and be innovative in implementing ideas. Event was coordinated by faculty members, Mr Ashish Sharma and Ms. Ruchi Goel. The session was very informative and interactive. More than 100 students and faculty members attended the event.

Cyber Security and IPv6

The attendees gained a better understanding of the security threats and best practices for securing IPv6 networks, which will help them in their future endeavors in the field of cyber security. The event concluded with the Vote of Thanks by Prof. Namita Gupta (HOD -CSE) followed by the certificate distribution to the attendees. Event was coordinated by faculty members: Mr. Ashish Sharma, Mr. Yogesh Sharma, Dr. Sandeep Tayal and Ms. Savita Sharma.,



WORKSHOP

AZURE Open Source Day- INDIA Tour

Azure Open Source Day Delhi was a part of Microsoft Azure Open Source India Tour, which took place on 22 March 2023 at Maharaja Agrasen Institute Of Technology. The event aimed to celebrate developers in open source and promote a better understanding of the community through interactive workshops. It was organized by Shitiz Aggarwal and Gaurav Chapliyal under the supervision of faculty coordinators Ms. Garima Gupta, Dr. Ankita Gupta and Head of computer science department Dr. Namita Gupta.

The main objective of the event was to pave the way for the next generation of contributors and promote a better understanding of open source through interactive and engaging workshops. The event covered a range of topics related to open source, including its importance, Microsoft microservices, industry trends, and brand building. Participants of all skill levels were welcome.

During the workshop participants interacted with peers and experienced mentors to learn All-About-Open-Source and level up their skills in open source. The event included two main speakers, Mr. Jatin Bhalla and Ms. Nirupama Singh. Mr. Bhalla is a Sr. Analyst DevOps Service at Coforge, and he spoke about cloud, virtual machines, DevOps, and Azure services. Ms. Nirupama Singh, who is a Sr. Developer at Reskilll, spoke about the benefits of open source, how students can contribute to it, and how to use it in their career.



The event was highly beneficial for students and helped them learn about the importance of open source, how to contribute to open source, and how to use open source in their career. The event also provided students with an opportunity to learn about cloud, virtual machines, DevOps, and Azure services, which are critical skills in today's industry. The event helped students build their brand and network socially and professionally.

The event concluded with gifts and swags being distributed to participants. The Azure Open Source Day Delhi event was a massive success and helped students learn about open source, network with their peers and experienced mentors, and build their skills in critical areas such as cloud, virtual machines, DevOps, and Azure services. The event was a significant contribution to the open-source community and helped pave the way for the next generation of contributors.

Interview Preparation Roadmap for Cracking Top MNCs



The CSE Department organized a one-day workshop titled "Interview Preparation Roadmap for Cracking Top MNCs" on April 12, 2023. The event catered to 6th-semester students and featured distinguished speakers:

- Sanket Singh, a Software Engineer 2 at Google, who shared insights gained from experiences at Google, LinkedIn, and Interviewbit.
- Riya Bansal, a Software Engineer at Microsoft, known for her expertise from roles at Flipkart and American Express, emphasized mentoring and international conference speaking engagements.

Both speakers covered vital topics including interview preparation strategies, resume building, core computer science concepts, project involvement, and hackathon participation. The session was interactive and informative, concluding with a Vote of Thanks from Prof. Namita Gupta (HOD - CSE). The coordination was led by faculty members Ms. Savita Sharma and Ms. Ruchi Goel.



Deep dive into Git, the first step towards open source

The CSE Department at MAIT organized a workshop titled "Deep Dive into Git: the first step towards open source" on April 21, 2023. The session, led by Sanket Singh and Riya Bansal, Google and Microsoft software engineers respectively, provided insights into Git's fundamentals and its role in open-source projects. Attendees learned about repositories, branches, and commits, discovering the collaborative benefits of Git. The workshop aimed to equip students for software development and open-source contributions, concluding with gratitude from Mr. Yogesh Sharma. Interested CSE students were invited to register by April 18, 2023, via a provided Google Form. Further details about the speakers can be found on their LinkedIn profiles.



HACKATHON

G20 Intra-College Hackathon

The Department of Computer Science & Engineering and Information Technology at Maharaja Agrasen Institute of Technology organized the G20 Intra-College Hackathon in collaboration with IEEE ComSoc on March 28-29, 2023. With the theme LiFE (LIFESTYLE FOR ENVIRONMENT AND COMMUNICATIONS), the event aimed to encourage sustainable choices and foster innovation among students.

The Hackathon saw enthusiastic participation from 32 teams comprising over 180 students. The participants showcased inventive solutions to global issues such as spam detection, women's safety apps, banking frauds, and more, emphasizing sustainability and environmental responsibility.



The G20 Intra-College Hackathon held at Maharaja Agrasen Institute of Technology featured innovative presentations and refining solutions across two days. Teams Vayu, Rakshak, and Cyduck secured the top three positions, receiving cash prizes at the valedictory ceremony. Mr. Ashish Sharma and Ms. Nidhi Sengar's coordination ensured the event's success, showcasing exceptional creativity and problem-solving skills among the participants, making it a rewarding experience overall.

Maharaja Agrasen Institute of Technology hosted the Internal-Kawach Hackathon on March 28-29, 2023, focusing on addressing 21st-century security challenges encountered by intelligence agencies. The event aimed to foster innovation among students, challenging them to propose cybersecurity solutions leveraging technologies like AI, deep learning, machine learning, automation, big data, and cloud computing.

Internal- Kawach Hackathon

The event began with a ceremonial lamp-lighting and Saraswati Vandana. Notable figures like Shri (Dr.) Nand Kishore Garg, Prof. (Dr) Neelam Sharma, and Prof. Namita Gupta motivated participants. Prof. Namita Gupta introduced the Hackathon's guidelines, requiring participants to address 20 problem statements outlined in the Kawach 2023 guidelines. The event officially commenced under the guidance of Prof. S. S. Deswal, Dean Academics at MAIT.



INSTITUTION'S INNOVATION COUNCIL

Ministry of Education (MoE) through MoE's Innovation Cell (MIC) launched the Institution's Innovation Council (IIC) program in collaboration with AICTE for Higher Educational Institutions (HEIs) to systematically foster the culture of innovation and start-up ecosystem in education institutions. Maharaja Agrasen Institute of Technology (MAIT) has been a proud recipient of establishing an Innovation Council in the Institute under MIC in 2019 under the chairmanship of Prof. Neelam Sharma (Director MAIT).

Some of the key highlight events of IIC are:

S. No.	Activity
1.	HARDWARE PROJECT COMPITITION
2.	Creating YUKTI Innovation Repository & Participation in Innovation Challenge
3.	Technoxian World Robotics Championship
4.	Intra-College Hackathon
5.	Workshop on Prototype/Process Design and Development
6.	Session on "How to plan for Start-up and legal & Ethical Steps"
7.	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/ Technology Transfer Centre such as Atal Incubation Centre etc.
8.	Session/ Workshop on Business Model Canvas (BMC)
9.	World Creativity and Innovation Day
10.	Independence Day- Celebrating Aazadi Ka Amritkal
11.	Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level
12.	Session on "Lean Start-up & Minimum Viable Product/Business"- Boot Camp
13.	Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving "Value Proposition Fit" & "Business Fit"
14.	Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs
15.	International Women's Day
16.	Hands-On Training on UAV TECHNOLOGY
17.	Technoxian World Robotics Championship
18.	One Day Webinar on Entrepreneurship and innovation

INTERNATIONAL SYMPOSIUM



INTERNATIONAL SYMPOSIUM ON SECURING NEXT-GENERATION SYSTEMS USING FUTURE ARTIFICIAL INTELLIGENCE TECHNOLOGIES (SNSFAIT - 2023) DATE : 25th May 2023

About the International Symposium

Recent advancements in computing and communication technologies have allowed the development of connected systems that depend primarily on IoT and Edge technologies. However, for the efficient adoption of connected healthcare, the security and privacy of next-generation smart healthcare systems are important challenges. Future technologies such as Blockchain and Machine Learning (ML) are pioneering system security solutions to aid in the effective rollout. In this context, this special section will concentrate on the crucial aspects of IoT security in a connected healthcare environment, which will not only benefit from cutting-edge methodological approaches but also assist in the rapid scalability and improvement of these systems. The objective is to utilise technologies like blockchain in an intelligent city IoT environment for communication, data security and trust management.

The Second International Symposium on Securing Next-Generation Systems using Future Artificial Intelligence Technologies is 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.



INTERNATIONAL SYMPOSIUM

Symposium Topics

- IoT security and privacy
- Security and trust in smart city and IoT environments leveraging ultra-lightweight cryptography
- QoE/QoS in IoT/edge
- IoT applications benefit from distributed and federated learning.
- Cryptology: Theory and Applications in IoT
- Access management in connected healthcare IoT
- Detection, Protection, and Prevention in a Cyber-threat-Free IoT environment
- Simulation and performance evaluation mechanisms for IoT networks
- 5G innovations for IoTs
- ML-based IoT applications
- Blockchain-based IoT infrastructures
- Blockchain security connecting different IoT protocols
- Digital Twin for IoT systems



INDUSTRIAL VISITS

One-day Industrial Visit to National Internet Exchange of India (NIXI)

Department of Computer Science and Engineering organised One-day Industrial Visit to National Internet Exchange of India (NIXI), Delhi on 11th January 2023 (Wednesday). 32 students along with faculty members Mr. Yogesh Sharma and Dr. Sandeep Tayal visited the place. During the visit, students got a detailed understanding of connectivity of different ISPs, packet charging and routing. They studied about Indian Registry for Internet Names and Numbers (IRINN) in India that provides allocation and registration services of IP addresses and AS numbers. Students acquired information about different types of ISPs in India and role of NIXI in managing their inter connectivity.



Visit to Innovation and Incubation Centre, GGSIPU on 15 March 2023

Prof. Amit Prakash Singh emphasized the importance of equipping students with comprehensive cognitive learning levels for implementing new ideas. He highlighted the necessity of providing students with open-ended experiments in design and algorithm-based laboratories. Encouraging multidisciplinary research projects across various technological domains such as Internet of Things (IoT), big data analysis, robotics, and cybersecurity was emphasized. These initiatives aim to foster innovative thinking and prepare students to tackle industry and societal challenges through hands-on experiences and diverse research opportunities.



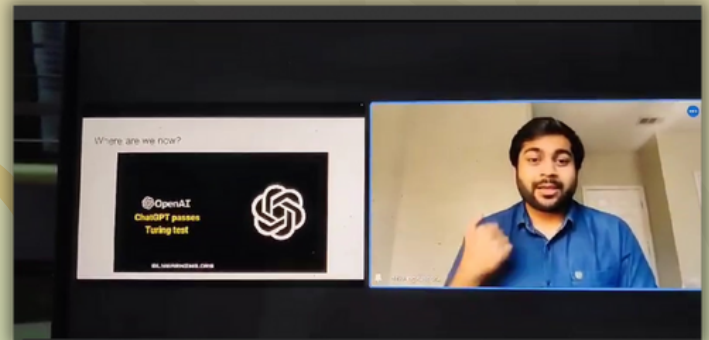
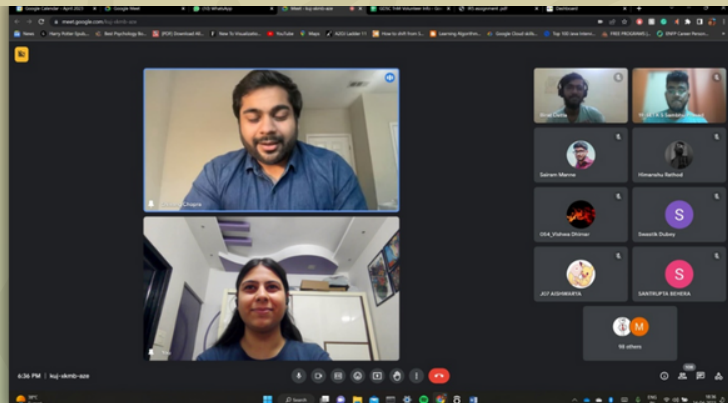
- In an effort towards youth capacity building, NIXI invited the students of Maharaja Agrasen, Rohini at the NIXI office to share about NIXI and how it works towards enabling the internet in the country. During the interaction, the importance of students having their own website was highlighted.

GDSC EVENTS

101 SOLUTION CHALLENGE

30th January, 2023

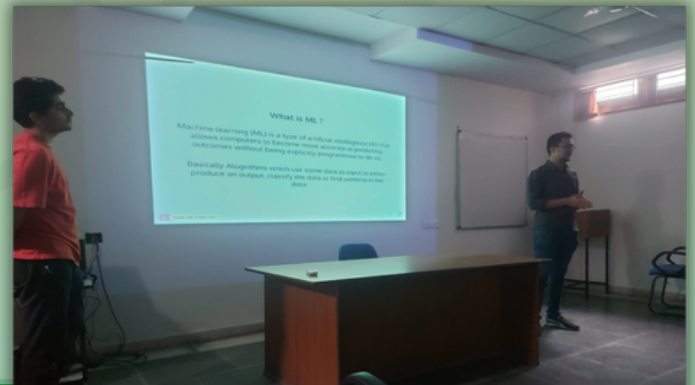
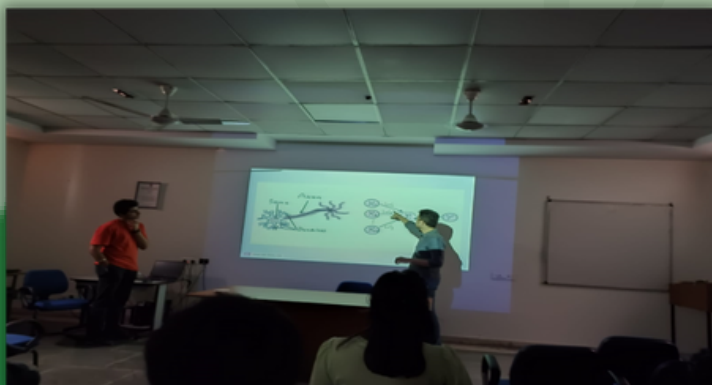
Dive into the Solution Challenge across diverse domains – from Machine Learning to Web Development and Cloud Computing! Explore cutting-edge solutions presented by experts like Shaurya Chopra(Expert in ML), Nikita Gandhi(Community Manger), Urvashi Kushik(UX/UI Designer) and Arjun K Haridas(Top 50- Solution Challenge), they shared insights, innovations and industry trends in their respective domains, inspiring the next wave of technological advancements.



INTRODUCTION TO MACHINE LEARNING

28th April, 2023

An engaging event on introduction to machine learning was conducted where experts unraveled the mysteries behind this transformative field and its real-world applications



CODING BOOTH AND CODE FUED

6th April, 2023

1. CODE FUED: Teams compete to match their solutions with the top five survey answers & scoring points for creative problem-solving.

CODING BOOTH: In this student work in pairs, code solutions, debug under time pressure and strive for the leaderboard's top spot – where the fastest submission won the competition.



TECHCOM EVENTS

Web-I-On

21st March, 2023

TechCom, the official society of the CSE department, MAIT, organized an offline event: Web-I-On on 21st March 2023, from 11:15 am to 3:30 pm. The event had a registration turnout of more than 30 participants

All students arrived 15 minutes early to avoid any seating hassle and to ensure covid-19 precautions. The event started in Room no. 114 at 11:30am in the presence of Dr. Namita Gupta (HOD, CSE) and faculty coordinators Mrs. Kavita Saxena, Mrs. Karuna Middha and Mrs. Deepti Gupta. Participants had to present their deployed website in front of the jury. The judgment panel included the President of TechCom society – Prakhar Sharma.

After nearly 4 hours of hard work, continuous mentorship, and evaluating the best projects from 30 submissions, the results were declared in the event's closing ceremony. Top 3 teams were - Team Launch, Team Lets Bunk and Team Minigames. Winners were given certificate of merit.



Thank you to all the students who took the time to participate in this Web-I-On event. We look forward to our continued association soon. The efforts of the core TechCom team, Mr. Prakhar Sharma (president, TechCOM) made this event a successful event. The event was headed by Ansh Goyal and Kartik Raj. Special thanks to our faculty coordinators Ms. Kavita Saxena, Ms. Deepti Gupta and Ms. Karuna Middha for the smooth functioning of this event.

GRAPHIKA

22th April, 2023

TechCom the official technical society of department of Computer Science & Engineering, MAIT, in collaboration with Stoild (Joynod) organized Graphika, a poster making and video editing competition to celebrate World Innovation & Creativity Day (21st April 2023) and World Earth Day (22nd April 2023). The event took place online on 22nd April 2023 from 11:00 AM – 4:00 PM. There were in total 26 registrations. The following themes were given to the participants based on which they showcased their talent and creativity in the form of posters and video.

1. Designing for tomorrow

2. Youth in Politics

3. World Earth

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 on an online platform. The Competition was judged by Mr. Akash Singhal (Photographer, Cinematographer & Motion Graphics), Mr. Amit Chopra (Senior Manager with NatWest and Mentors young generation with his social media channel EveryPaisaMatters), Dr.Ravi Prakash (Associate Professor, CSE & TPO, K.C. College of Engineering, Thane).

Following were the winners for Graphika: -

Prize: First Prize (video editing)

Name : Ayush Aggrawal (03514802720)

Theme: World Earth Day

College Name: MAIT

Amount : Rs.1000/-

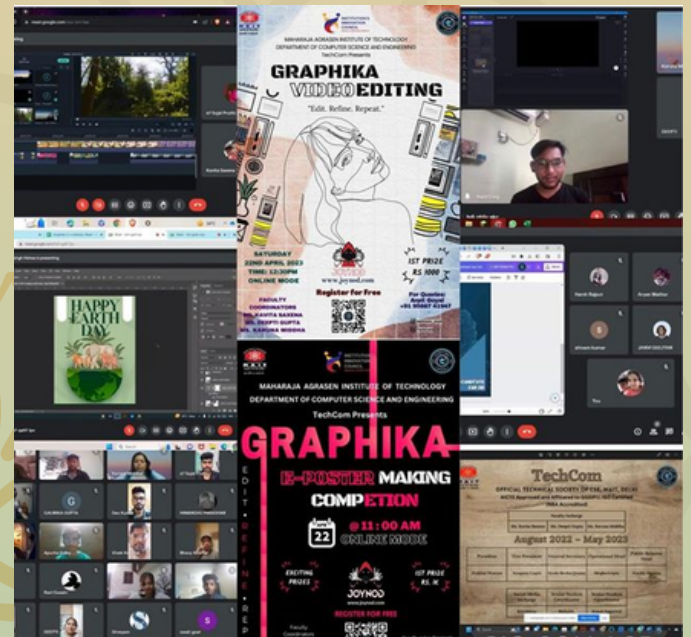
Prize: First Prize (poster making)

Name : Preeti (95)

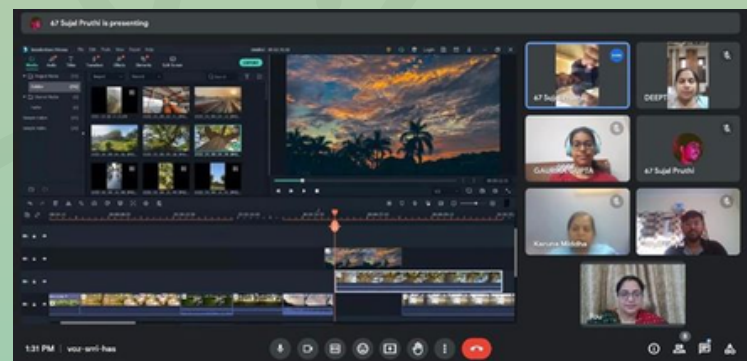
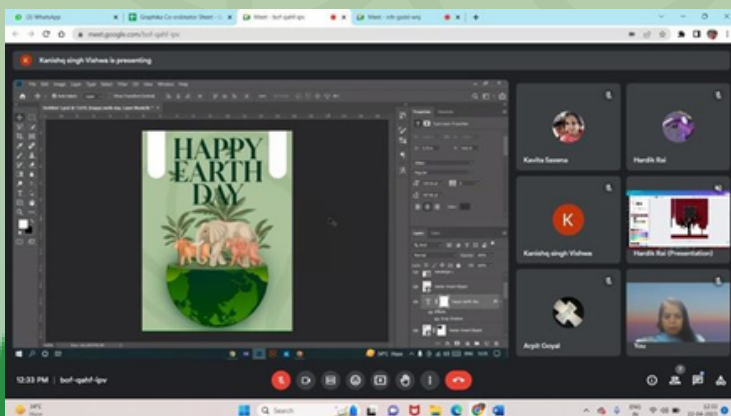
Theme: Youth in Politics

College Name: MIMS Mandya, Karnataka

Amount : Rs.1000/-



Kudos to the core TechCom team, Mr. Prakhar Sharma (president, TechCOM) and Mr. Arpit Goyal (Event Head, TechCOM) without their efforts this event couldn't be a big success. Special thanks to our faculty coordinators Ms. Kavita Saxena, Ms. Deepti Gupta and Ms. Karuna Middha for the smooth functioning of this event.



WEBINAR ON “CYBER SECURITY AND ITS ETHICAL PRINCIPLES”

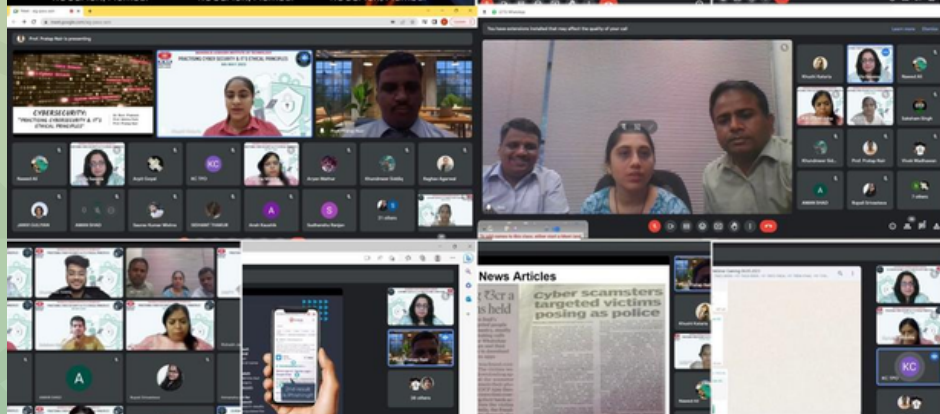
6th May, 2023

TechCom the official technical society of department of Computer Science & Engineering, MAIT, organized a webinar on “Cyber security and its ethical principles” and “Gaming Contest” on 6th May 2023 on Google Meet. Eminent Speakers for the event were Dr. Ravi Prakash, Associate Professor, KCCEMSR, Mumbai, Head T&P Cell, Mr. Pratap Nair, Assistant Professor, KCCEMSR, Mumbai and Ms. Nilima Patil Assistant Professor, KCCEMSR, Mumbai. There were in total 74 registrations.

The session began with an introduction to the importance of cyber security in our increasingly digital world, and the speakers highlighted the rising threats posed by cybercriminals, including hacking, phishing, and malware attacks. They emphasized the need for individuals and organizations to stay vigilant and take proactive steps to protect their data and networks.

The webinar was an informative and engaging session that brought together experts and enthusiasts to discuss the current state of cyber security and the measures needed to ensure data protection. It was a valuable learning experience for all participants. It highlighted the importance of cyber security in today's digital world and provided practical insights and solutions to help individuals and organizations protect their data and networks.

The efforts of the core TechCom team, Mr. Prakhar Sharma (president, TechCOM) made this event a successful event. The event was headed by Mohammed



Khundmeer Siddiq from B.Tech 3rd year CSE dept. and Nawed Ali from 3rd year CSE dept. MAIT. Special thanks to our faculty coordinators Ms. Kavita Saxena, Ms. Deepti Gupta and Ms. Karuna Middha for the smooth functioning of this event.





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