Delhi Technical Campus Informatica
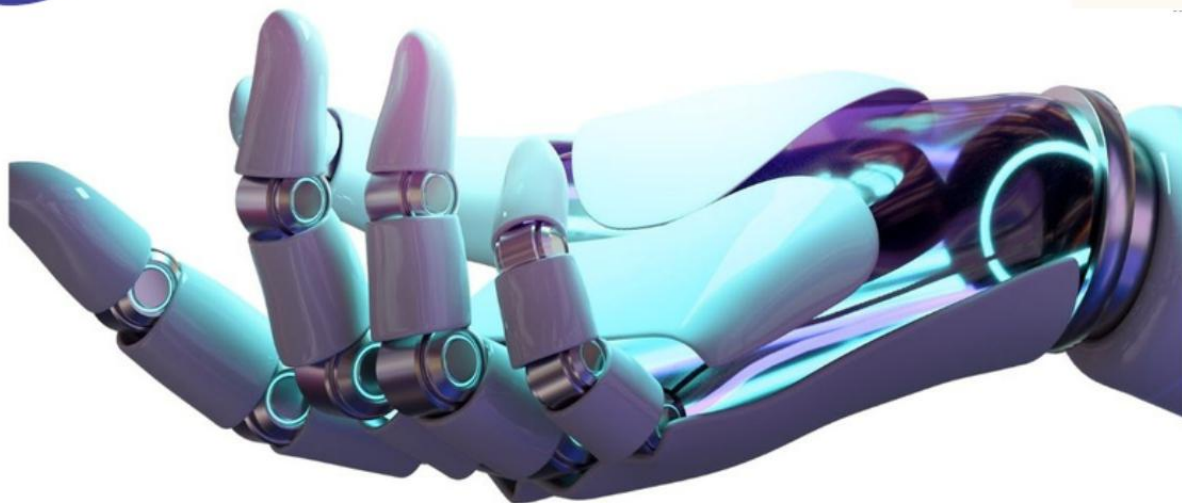
Chief Editor: Dr. Seema Verma

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Ms. Shalaka Tyagi

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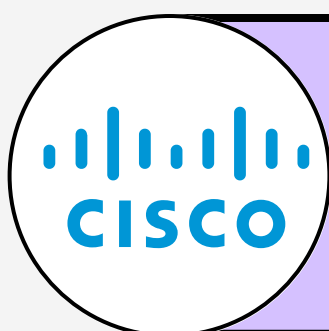
Mr. Mukul kumar Soni

Ms. Khushi Goyal

Ms. Paridhi

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

EVENTS CONDUCTED THROUGH PROFESSIONAL SOCITIES AND DEPARTMENT CLUBS

Workshop on Cisco Cyber Security
Date: 6-9-2022 to 8-9-2022
Organization/Society: CISCO
Speaker: Mr. Gagan Arora

Expert talk on IPR for Society
Date: 11/9/2022
Organization/Society: IPMoments
Speaker: Ms. Nisha Verma

Workshop on Life Skills
Date: 5-12-2022 to 8-12-2022
Organization/Society: GTT Barclays
Speaker: Mr. Alok Kumar

EVENTS CONDUCTED THROUGH PROFESSIONAL SOCITIES AND DEPARTMENT CLUBS

Webinar on Digital Marketing
Date: 7/23/2022
Organization/Society: CETPA
Speakers: Mr. Hardik Singhal and Vikas Tyagi

Seminar on IoT
Date: 10/6/2022
Organization/Society: BhuZlon Innovation Lab
Speaker: Mr. Ashwani Kumar

Seminar on IoT and ML
Date: 9/2/2022
Organization/Society: BhuZlon Innovation Lab
Speaker: Mr. Ashwani Kumar

EVENTS CONDUCTED THROUGH PROFESSIONAL SOCITIES AND DEPARTMENT CLUBS

Seminar on Data Analytics and Digital Twins in Energy Industry

Research Cell, Delhi Technical Campus organized a Research Talk on 'Data Analytics and Digital Twins in Energy Industry'.on 18 oct 2022 in Da Vinci Auditorium, Delhi Technical Campus
The objective of the lecture was to enlighten students and faculty about the role of Data Analytics and Digital Twins, and their importance in the Energy sector.

Research Webinar on How to Publish Quality Research

Research Cell, Delhi Technical Campus organized a Webinar on 'How to publish high quality research" on 22 september 2022 in Da Vinci Auditorium, Delhi Technical Campus
The objective of the lecture was to enlighten students and faculty about the importance of research and its publication in right journal.
Dr. Shabana Urooj, Associate Professor at Department of Electrical Engineering, College of Engineering, Princess Nourah Bint Abdulrahman University, Saudi Arabia

JULY – DECEMBER
2022

EVENTS CONDUCTED THROUGH PROFESSIONAL SOCITIES AND DEPARTMENT CLUBS

Intro to Machine Learning
Date: 6/1/2022
Organization/Society: GDSC

Introduction to Kaggle
Date: 6/8/2022
Organization/Society: GDSC

LIST OF BOOKS AUTHORED/EDITED

In 2022, Pushpa Singh, Divya Mishra, and Kirti Seth authored the book titled "Transformation in Healthcare with Emerging Technologies." The book was published by CRC Press, Taylor & Francis Group. The ISBN for the book is 9781032063416. You can find more information about the book at this [https://www.routledge.com/Transformation-in-Healthcare-with-Emerging-Technologies/Singh-Mishra-Seth/p/book/9781032063416]

Deepti Agarwal, Kimmi Verma, and Shabana Urooj edited the book titled "Energy Harvesting: Enabling IoT Transformations." The book was published by CRC Press, Taylor & Francis Group in 2022. The ISBN for the book is 9781032111834. You can find more information about the book at this [https://www.routledge.com/Energy-Harvesting-Enabling-IoT-Transformations/Agarwal-Verma-Urooj/p/book/9781032111834].
The book offers insights into the emergence of energy harvesting technologies and their impact on the functionality and lifespan of IoT devices.

LIST OF BOOK CHAPTERS PUBLISHED

1

In 2022, Kimmi Verma and Deepti Agarwal authored a chapter titled "Sustainable Energy Solutions" in the book "Energy Harvesting-Enabling IoT Transformation" published by CRC Press (Taylor and Francis). You can access the chapter through the following QR:

2

Mahak Narang, Ankit Gambhir, and Mandeep Singh contributed a chapter titled "Harnessing Energy for Implantable Biomedical Instruments with IoT Networks" to the book "Energy Harvesting-Enabling IoT Transformation" published by CRC Press (Taylor and Francis). You can access the chapter through the following QR:

3

A patent application with the number 202211069862 has been published. The application, titled "Mining Opinion from Structural Content In Micro Blog Using Machine Learning Approach," was filed on December 3, 2022. The inventors involved in the patent are Dr. Kimmi Verma, Dr. Deepti Agarwal, Dr. Tejas Harshadbhai Thakkar, Dr. Geetha, Mr. J Logeshwaran, Dr. T. Arumuga Maria Devi, Mr. Karthik Selvaraju, S. Siva Raju, Dr. Michael Raj TF, Mrs. Hepzibai, and Dr. V. Kannan. The patent was published on December 9, 2022, with a publication number/design number of 9/4/2022. The applicant and assignee of the patent is Delhi Technical Campus.

LIST OF PUBLICATIONS IN JOURNALS

1

In 2022, Garvit Chugh, Nitesh Singh Bhati, Punit Kumar, and Vishal Bharti conducted a study on parallel clustering algorithms based on MapReduce. The paper titled "A Study on Parallel Clustering Algorithms based on MapReduce" was published in the IEIE Transactions on Smart Processing and Computing. It can be found in Volume 11, Issue 4, on pages 276-283. The DOI for this paper is 10.5573/IEIESPC.2022.11.4.276.

2

In 2022, Lakshya Kohli, Aman Ahmed, Bhavya Ratra, and Shalaka Tyagi published a paper titled "Authentication Services" in the International Journal of Scientific Research in Engineering and Management (IJSREM). The paper is available in Volume 6, Issue 6, on pages 1-8. You can access the paper through the following QR:

3

Pushpa Singh and Rajeev Agarwal published a paper in 2022 on "Modelling and prediction of COVID-19 to measure the impact of lockdown on organizations in India." The paper was published in the International Journal of Indian Culture and Business Management, specifically in Volume 26, Issue 2, on pages 259-275. The DOI for this paper is 10.1504/IJICBM.2021.10040358.

LIST OF PUBLICATIONS IN JOURNALS

4

Vivek Misra, Arjit Bhandari, Gajendra Farswan, Harshit Srivastava, and Himani Prajapati published a paper titled "Detection and Classification of ECG Arrhythmia using LSTM Autoencoder" in 2022. The paper was published in the International Research Journal of Engineering and Technology (IRJET), Volume 9, Issue 5, on pages 1260-1265. You can access the paper through the following link: https://www.irjet.net/archives/V9/i5/IRJET-V9I5300.pdf.

5

In 2022, Gaurav Kushwaha, Dilip Singh, Himanshi Singh, and Nidhi Sharma published a paper titled "A SMART EYE SCROLLER – 'Give your weary fingers a rest and let your eyes do all the work'" in the International Research Journal of Engineering and Technology. The paper can be found in Volume 7, Issue 12, on pages 390-392. However, a DOI or URL for this paper is not provided.

LIST OF PUBLICATIONS IN CONFERENCES

1

In 2022, S. Sharma, S. P. Panda, and Seema Verma published a paper titled "Role and Analysis of Various SEO Strategies to Improve Website Ranking" in the 2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), held in Faridabad, India. The paper can be found in Volume 1, on pages 639-648. You can access the paper through the following link: https://doi.org/10.1109/COM-IT-CON54601.2022.9850597.

2

Jaya Shrivastava, Ayasha Malik, Bharat Bhushan, Veena Parihar, and Shyam Nair presented a paper titled "Genetic Algorithm: An Approach for Software Testing based on a Given Source Code" at the 6th International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE 2022) in Ghaziabad, U.P., India. The paper has been accepted for publication, but specific volume and page numbers are not provided.

3

Ayasha Malik, Veena Parihar, Bharat Bhushan, Jaya Shrivastava, and Rohit Sharma submitted a paper titled "Comparative Analysis of Three Waves of COVID-19 in India: A Deep Study of Three Waves Based on Selected Parameter" for the 6th International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE 2022) in Ghaziabad, U.P., India. The paper has been accepted for publication, but specific volume and page numbers are not provided.

LIST OF PUBLICATIONS IN CONFERENCES

4

Ayasha Malik, Veena Parihar, Bharat Bhushan, Jaya Shrivastava, and Shafiqul Abidin presented a paper titled "Artificial Intelligence based React Application" at the 6th International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE 2022) in Ghaziabad, U.P., India. The paper has been accepted for publication, but specific volume and page numbers are not provided.

5

Ayasha Malik, Jaya Shrivastava, Bharat Bhushan, Veena Parihar, and Anoop V.S. submitted a paper titled "Blockchain Technology for Better Security by Using Two-Way Authentication Process" for the 6th International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE 2022) in Ghaziabad, U.P., India. The paper has been accepted for publication, but specific volume and page numbers are not provided.

LIST OF PUBLICATIONS IN CONFERENCES

6

Shubham Singh, Vaibhav Verma, Kritika Jain, and Upasna Joshi presented a paper titled "Classification And Detection Of Covid-19 Using Deep Transfer Learning Techniques" at the Second International Conference on Computer Science, Engineering, and Applications (ICCSEA), held in Gunupur, India. The paper can be found in Volume 1, from June 1 to June 10. The DOI for this paper is 10.1109/ICCSEA54677.2022.9936533.

7

Jitendra Singh, Preeti Pandey, and Geeta Sharma wrote a paper titled "Applications of Machine Learning Techniques for Forecasting: A Review" for the 1st International Conference on Recent Advances in Computing Sciences (RACS-2022) at Lovely Professional University in Phagwara, Punjab, India. The paper has been accepted for publication, but specific volume and page numbers are not provided.

FACULTY DEVELOPMENT, TRAINING ACTIVITIES AND STTPS

01 **MEGHA KUMAR:** FDP on "Accreditation for Quality assurance (NBA & NAAC guidelines)" by NITTTR, Chandigarh from 05/09/2022 to 09/09/2022.

SHALAKA TYAGI: Short Term Course on 'DIGITAL TOOLS FOR TEACHING AND LEARNING' by NITTTR, Chandigarh from 25/07/2022 to 29/07/2022 **02**

03 **CHAITALI BHOWMIK:** Short Term Course on 'DIGITAL TOOLS FOR TEACHING AND LEARNING' by NITTTR, Chandigarh from 25/07/2022 to 29/07/2022

PREETI PANDEY: FDP on "Accreditation for Quality assurance (NBA & NAAC guidelines)" by NITTTR, Chandigarh from 05/09/2022 to 09/09/2022. **04**

05 **SEEMA VERMA:** Short Term Course on 'DIGITAL TOOLS FOR TEACHING AND LEARNING' by NITTTR, Chandigarh from 25/07/2022 to 29/07/2022 .

AMIT GUPTA: Short Term Course on 'DIGITAL TOOLS FOR TEACHING AND LEARNING' by NITTTR, Chandigarh from 25/07/2022 to 29/07/2022 **06**

07 **MONIKA KADAM:** FDP on "Qualitative data analysis" organized by GGSIPU held from 4/06/22 to 8/06/22

KIMMI VERMA: Short Term Course on 'DIGITAL TOOLS FOR TEACHING AND LEARNING' by NITTTR, Chandigarh from 25/07/2022 to 29/07/2022 **08**

PHD AWARDED DURING THE ASSESSMENT PERIOD

29-08-2022

NITESH SINGH BHATI
(GGSIPU)

18-10-2022

ANKIT GAMBHIR
(GGSIPU)

ACHIEVEMENTS

ARMAN MANSURY(B.TECH AIML 2ND YEAR)

- HE WAS CHOSEN BY GOOGLE INDIA AS THE GOOGLE DEVELOPER STUDENT CLUB LEAD FOR THEIR COLLEGE. HE SUCCESSFULLY COMPLETED MULTIPLE SESSIONS FOR GUIDANCE, MENTORING, AND TEACHING NEW TECHNOLOGY TO VARIOUS STUDENTS ON VARIOUS TOPICS.
- HE GOT THE CHANCE TO SPEAK AT DEVFEST (DEVELOPER FEST), WHICH WAS ORGANIZED BY GOOGLE DEVELOPER GROUPS GURUGRAM. HE HAD THE GOOD FORTUNE TO DISCUSS THEIR COMMUNITY WITH MORE THAN 200 PROFESSIONALS AND A NUMBER OF 350 AUDIENCE MEMBERS,
- HE WAS A VOLUNTEER AT DEVFEST NEW DELHI, WHICH IS NORTH INDIA'S BIGGEST DEVELOPER FEST CONDUCTED BY GOOGLE DEVELOPER GROUP NEW DELHI.

Google Developer Student Clubs

Congratulations! You are now officially a Google Developer Student Club Lead at your university! We are excited to help you get ready and have the best experience possible. We hope this year will be a great adventure for you!

Looking forward to seeing your growth and the impact you'll make with the GDSC Program during the class of 2022-2023!

All the best,
Google Developer Student Clubs Team

ACHIEVEMENTS

ARMAN MANSURY WAS OFFERED A 45-DAY INTERNSHIP OPPORTUNITY TO WORK ON THE NATIONAL COOPERATIVE DATA REPOSITORY FOR 3 DISTRICTS OF NAGALAND BY THE MINISTRY OF COOPERATION.

OFFER LETTER

MOC/Intern/2022/1066

Dear Mr/Ms. ARMAN MANSURY

We would like to congratulate you on being selected as an intern for the National Cooperatives Data Repository Internship offered by Ministry of Cooperation to work and assist in strengthening of the Cooperative Movement in India.

We are pleased to offer you an internship for a period of 45 days commencing from 01-12-2022.

During the internship you will be required to discharge the responsibilities defined in Internship Design and which shall be allocated by Ministry of Cooperation, and the respective District DRCS Nodal Officer in furtherance of your role. AICTE may also assign additional responsibilities to promote effective learning. The offer is subject to the acceptance of the following terms:

Deliverables:
In the course of the internship, you will be required to meet reporting requirements as directed by the assigned District DRCS Nodal Officer.

Stipend and Allowances:
On successful and satisfactory completion of internship objectives you shall receive a stipend amount of Rs. 10,000 per month which shall amount to Rs. 15,000 for the internship period of 45 days. No further travel / living / food allowances shall be provided by the Ministry and must be borne by the student.

Workplace Conduct:
You will be required to adhere to professional standards of workplace conduct.

Confidentiality and Deliverable Ownership:
During the course of the internship, you may be given access to sensitive and privileged information in furtherance of the work. You will be required to maintain confidentiality of such information failing which the internship would stand terminated and you may be liable to legal action. The final ownership & responsibility of the reports, designs, tools and other intellectual property generated during the course of the internship will lie with Ministry of Cooperation and AICTE.

1. Intern will be present at the office of the DRCS Nodal Officer or any other venue, as notified by the nodal officer/authorized officer of Ministry of Cooperation, to undertake tasks assigned for the duration of the internship. Student will have to communicate to the DRCS nodal officer should there be any reason or inability to be present with acceptable justification.

Terms of Engagement:
1. Intern will be present at the office of the DRCS Nodal Officer or any other venue, as notified by the nodal officer/authorized officer of Ministry of Cooperation, to undertake tasks assigned for the duration of the internship. Student will have to communicate to the DRCS nodal officer should there be any reason or inability to be present with acceptable justification.

2. Intern will communicate regularly with the said nodal officer/authorized officer on the progress of the tasks undertaken and submit cooperatives details on the developed application for approval from the said DRCS nodal officer.

3. Any work products/IPR produced during the internship is a property of Ministry of Cooperation and the terms of its use shall be decided at the discretion of Ministry of Cooperation.

4. Intern shall adhere to workplace norms and abide by ethical standards followed in Ministry of Cooperation. In the instance of a professional misdemeanor or misconduct the concerned authorities may terminate internship offer and take appropriate legal recourse as provided under the law of land.

5. Student shall inform DRCS Nodal officer and AICTE coordinators regarding changes in information submitted in the application and any other documents, including changes contact details/addresses/phone nos. etc., from time to time.

Sincerely,
Ministry of Cooperation and AICTE
Date: 30/11/2022

ACHIEVEMENTS

SHRUTI JHA
(BTECH CSE 3RD YEAR)

REPRESENTED TEAM RUSSIA, THE
RUSSIAN FEDERATION. THE EVENT
WAS HELD ON 18TH OCTOBER, 2022
FROM AWAAZ SOCIETY DTC.

ACHIEVEMENTS

CONGRATULATIONS TO ALL THE PARTICIPANTS WHO SUCCESSFULLY COMPLETED THE NPTEL CERTIFICATION PROGRAM! YOUR DEDICATION AND COMMITMENT TO CONTINUOUS LEARNING ARE COMMENDABLE.

DELHI TECHNICAL CAMPUS, GREATER NOIDA

(July- Dec 2022)

WARMEST CONGRATULATIONS TO STUDENTS FOR NPTEL CERTIFICATION

TUSHAR MALHOTRA, GOLD, TOPPER OF 5%

ABHISHEK KUMAR SILVER

SRISHTI SAXENA SILVER

SPARSH ARORA SILVER

PRIYANSHU SINGH SILVER

LAKSHYA SINGH SILVER

SATYAM VERMA SILVER

HARSH SHARMA SILVER

ANAND RAJ SILVER

ANUJ GOYAL SILVER

SHUBHAM SILVER

1 ELITE+GOLD
10 ELITE+SILVER
19 CERTIFIED ELITE
TOTAL 34 STUDENTS SUCCESSFULLY CERTIFIED BY NPTEL

ACHIEVEMENTS

🔥VARDIANO ALWAYS ROCKS🔥

FIRST POSITION In Shark Ta

Varun Goyal participated in the Shark Tank event organized by USICT, GGSIPU, and secured the first position

Mr. Deshant Gogia participated in the "Echiesta 2022" Inter-college State Level dance competition (Solo Dance category) held at Echelon Institute of Technology

ACHIEVEMENTS

In the academic year 2022-23, Hardik Sethi participated in the Half Marathon organized by the NSS Cell of GGSIPU, Delhi. He emerged as the winner and received a gold medal for his achievement

Alok Mishra, Harsh Nagar, Vansh Sharma, Avinash Kumar, Lakshay, Shivanshu Shukhla, Vipin, Subodh Singh Rana, Dharmesh Tomar, Sandeep Chaudhary, Prashant Chaudhary, Vanshaj Chawla, and Shivam Rawat participated in the same event and secured the silver medal.

Priyanshi Kulshreshtha, Himanshi Garg, Akriti Sharma, Hardika Saini, Sayani, Saloni, Rehunama Khan, Vedika Verma, Vanshika Dua, and Ishita Arya participated in the "Inspiration" Inter-college State Level dance competition held at KCC, Greater Noida. They achieved the first position in the competition.

Anupriya, Saiyam, Riya, Aryan, and Adeeba participated in the "OORJA" Inter-college State Level dance competition held at JIIMS, Greater Noida. They secured the third position in the competition.

Shriya, Kashish, Kanishka, Harsh, Uday, and Tushar participated in the "OORJA" Inter-college State Level dance competition held at JIIMS, Greater Noida. They achieved the second position in the competition.

PLACEMENT RECORD

Name Of the Student	Recruiting Company
Vibhor Agarwal	SAMSUNG
Himani Gulati	Jovian
Aditya Shukla	HCL
Yuvraj Kansal	Infosys
Ishaan SINGH	Magic EdTech
Abhishek Joshi	Liferay
Dhruv Sharma	Indian Navy
Aditya Biduri	HCL
ARJIT BHANDARI	Arthmate
LAKSHAY KOHLI	Capegemini
JAISHIKHA SHAMI	Infogain
MOHD OMER	Extra Marks

PLACEMENT RECORD

Name Of the Student	Recruiting Company
SHOAIB KHAN	ADVERGAME TECH. PRIVATE LIMITED
Harsh pandey	Snapdeal
Praneet Chandra Thakur	InfoAxon Technologies
Rishabh Singh	APA Engineering Pvt. Ltd
Krishna Singh Rathore	XEAM Ventures Private Limited
Akash Kumar Maurya	Antino Labs
Shivam Singh	Byjus
Siddharth Sinha	ITips Private Limited
Rahul Sharma	ISource Technologies Private limited
Ashutosh Sharma	TechCanvass