



NEWSLETTER



ENGINEERS  
WITH SOCIAL RESPONSIBILITY

# DAIICT GANDHINAGAR

Volume #6

January to September 2023 →



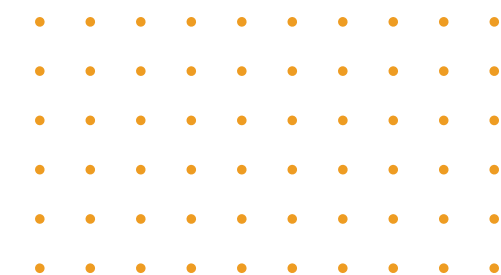
Dear Friends,

As we all know, DAIICT is known for its commitment to excellence, and constantly reinventing itself in terms of academic programs and research. Its vibrant campus offers students a challenging academic curriculum based on current research, along with sports, cultural and organizational activities. Members of the DAIICT community thrive and excel in a competitive professional environment with access to state-of-the-art research facilities, rigorous institute-industry collaborations, and interdisciplinary research opportunities.

We are happy to present the sixth issue of our Newsletter, which will cover news and events from January to September 2023. One of the highlights of this period is that our continued focus on providing better education and conducting high-quality research has been recognized by NAAC. DAIICT has achieved an A+ in this cycle of NAAC accreditation. Congratulations to the entire community on this achievement! Another major event was the Convocation in January, held after a good three years. Here I especially want to congratulate the students who received gold medals for their respective courses.

It has not all been smooth sailing. I report with grief that we lost our beloved student Ayush Gandhi, in August. We extend our heartfelt condolences to his family and friends. May his soul rest in eternal peace.

**Prof K. S. Dasgupta Director, DAIICT**



# CONDOLENCES

It is with profound sorrow that we share news of the untimely passing of Ayush Gandhi on 9th August 2023, due to cardiac arrest. His sudden demise has left us in a state of shock and disbelief. Our hearts and prayers go out to Ayush's family and friends during this time of indescribable hardship. He was a beacon of positivity and inspiration for many. We remember him for his dedication, infectious enthusiasm, and the profound impact he left on all who had the privilege of knowing him. In this time of grief, we extend our heartfelt condolences to them. The void created by his absence is deeply felt within our community.

We stand in support of Ayush's family, friends, and loved ones through this painful period. May his soul find eternal peace, and may his memory serve as a reminder to value every fleeting moment and to cherish those we hold close to our hearts.

**With deepest sympathy,  
The DAIICT Family**



## DAIICT ACHIEVES NAAC GRADE A+



DAIICT has achieved yet another milestone by receiving a prestigious A+ accreditation from NAAC. The National Assessment and Accreditation Council (NAAC), an autonomous body funded by the University Grants Commission (UGC) of India, is responsible for evaluating and accrediting higher education institutions in the country. A+ accreditation is a testament to DAIICT's commitment to academic excellence, infrastructure, faculty quality, and overall educational standards.

The NAAC accreditation process is rigorous and involves a comprehensive evaluation of various aspects of an institution, including teaching and learning, research, infrastructure, governance, and more. Institutions that receive the coveted A+ rating are recognized as centers of academic excellence in the country. DAIICT has consistently striven for excellence in the field of information technology and communication. The institution's commitment to providing quality education, fostering innovation, and promoting research has been acknowledged through this accreditation. This achievement reflects the dedication and hard work of the faculty, staff, and students at DAIICT.

Dr. KS Dasgupta, Director, expressed his joy at the institution's achievement, saying, "Receiving the NAAC Grade A+ accreditation is a significant milestone for DAIICT. It reaffirms our commitment to providing top-notch education and research opportunities in the field of information and communication technology. This recognition will further motivate us to continue our pursuit of excellence."

The A+ accreditation will not only enhance the institution's reputation but also attract top talent, both in terms of students and faculty, from across the country. It will also open up new opportunities for collaboration with other institutions and research organizations.



**JANUARY 28, 2023 | 562 STUDENTS GRADUATED**

The Director welcomed the gathering and read out the Annual Report, summarizing the accomplishments of DAIICT during the last three years, as well as sharing some important plans for the upcoming year. Addressing the graduates, he said: **“A convocation is as much an occasion for celebration as it is a moment for reflection. As graduates of DAIICT, you are among a privileged group of young Indians who have had access to an excellent standard of higher education. I congratulate all of you for completing your course of study with diligence and sincerity. Your journey is just beginning, and the canvas of your future awaits your unique endeavors”.**

A total of 562 students from 8 programmes received their degrees and graduated from the Institute - BTech (ICT), BTech (Honours) ICT with Minor CS, MTech (ICT), MTech (EC), MSc (IT), MSc (DS), MDes (CD) and PhD.

Prof. Subhasis Chaudhuri, presided over the evening as the Chief Guest and addressed the audience. Encouraging the students, he said, “I would like to congratulate all of you who are graduating today. This is a moment of profound joy and satisfaction in your life. You have achieved success in your academic endeavors. One stage in your life has ended, and another is about to begin. Now you are about to fulfill all your dreams.”



# 17<sup>TH</sup> CONVOCATION

DAIICT held its 17th Convocation at its campus in Gandhinagar. Prof. Subhasis Chaudhuri (Director, IIT Bombay) graced the occasion as the Chief Guest. The convocation commenced with the ceremonial procession led by the President of the institute and followed by Professor KS Dasgupta, Director, DAIICT. Joining him were Professor Ranendu Ghosh, Executive Registrar, members of the Governing Board, faculty and students.

## CANDIDATES FOR PRESIDENT'S GOLD MEDAL

**Academic Year 2021-22** BTech (ICT): Makadiya Neel; B Tech (Honours) ICT with Minor CS: Shah Nishant; MTech (ICT): Mehta Krunal; MTech (EC): Therattil Anand Saju; MSc (IT): Srivastava Niharika; MSc (DS): Patel Preet; M Des (CD): Bhanot Juhi.

**Academic Year 2020-21** BTech (ICT): Baxi Rushiraj Ashish; B Tech (Honours) ICT with Minor CS: Mehta Bhargey Jay; MTech (ICT): Bhat Shripad Anant; MSc (IT): Mankad Vruttant; M Des (CD): KS Asha.

The families and friends of the students and members of the DAIICT community applauded as they went to receive their medals and certificates.

The convocation ended with the singing of the national anthem. After the event, students were seen taking selfies and group photos with classmates, hugging their friends and celebrating these memorable moments with their families and loved ones. They will now step into the world as alumni of DAIICT and chart their respective career paths.



“Synapse”, DAICT’s annual cultural fest, brings together artists, designers, and creative minds from all over the world to showcase their work and share their creative process with others. The festival is named after the brain's synaptic connections, which inspire the organizers to create a space for creative connections and exchanges. As night falls, the festival transforms into a celebration, with live music, DJ performances, and dance parties, providing attendees with an opportunity to unwind, socialize and celebrate creativity in all its forms.



**CYNOSURE** - We witnessed some of the best artists working today as they brought us an out-of-this-world experience! The nights unforgettable as it mesmerizing music with an enthusiastic crowd were singing along to their favorite tunes. After led by Sachin-Jigar, Jonita Gandhi, Aseem Sharma and Vishal Mishra.



### NAACH

Breathtaking performances as the dancers ignited the stage with their talent and skill.

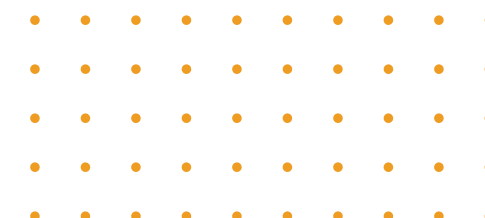


### SHOWDOWN

The body was let loose showcasing the best S-style dance to the beats of rap music by aspiring dancers who got into face-to-face battles, and the best of the best won!



# SYNAPSE 23



**#DA\_KA\_TYOHAAAR**

# EDM NIGHT



In a night of electrifying energy, the most prominent DJs from across the nation took center stage, casting a spell on the crowd. The attendees found themselves immersed in pulsating rhythms and melodies, surrendering to beats that filled the air. (Electronic dance music) EDM sensation Vanmoon is known for his unique perspective and musical finesse. His influence was palpable as he took charge of the EDM night at DAIICT, leaving an indelible mark.

## PHOTO GALLERY

## RAMPAGE UNVEILS FUN FUSION OF FASHION AND CREATIVITY

In a dazzling display of style and innovation, Rampage set the stage on fire with students, faculty and staff participating with equal enthusiasm. The event provided a great platform for emerging young designers to shine.



ALUMNI TALK

BATTLE OF BANDS

KTM SHOW

NUKKAD NATAK

# WHAT'S UP AT DAIICT

## MoUs Signed (January - August 2023) 📄

- A Memorandum of Understanding between DAIICT & Erisha Space Private Limited, New Delhi.
- A Memorandum of Understanding between DAIICT & Sardar Vallabhbhai National Institute of Technology, SVNIT. This is an academic and Rresearch collaboration, and includes Student Exchange programmes.

## Launch of the UG Admission Portal of the ERP System



Introducing the UG Admission Portal: The gateway to DAIICT's ERP System is set to streamline and enhance the admission process for aspiring students. This technologically advanced platform will provide applicants with a seamless and user-friendly experience.

DAIICT aims to provide applicants with a centralized hub for managing their admission journey, from submitting applications to tracking their status and accessing pertinent information.

## TEACHERS DAY CELEBRATION WITH JOY AND HAPPINESS



## LECTURE ON "THE MAGIC OF DNA" BY PROF. MANISH K GUPTA



सीबीएमआर  
जैव चिकित्सा अनुसंधान केन्द्र  
Centre of BioMedical Research  
(An Autonomous Centre of the Government of Uttar Pradesh)

**विग्यान संगम**  
Lecture Series

Lecture by  
**PROFESSOR MANISH K GUPTA**  
Dhirubhai Ambani Institute of Information & Communication Technology  
Gandhinagar, Gujarat

MAY 25 2023 11:00 AM

Title: "The Magic of DNA"

Prof. Manish K Gupta presented an enlightening lecture on the **"The Magic of DNA"**. The lecture took place on May 25, 2023, at the **Centre of Biomedical Research (CBMR)**, Lucknow. This distinguished lecture was part of CBMR's lecture series **"Vigyan Sangam"**.

In his lecture, Prof. Gupta discussed the fascinating convergence of Life Sciences and Computation. He touched on many aspects of research in the field such as DNA Computing, Chemical Computing, Synthetic Biology, and DNA Origami. Through examples, he talked about "how DNA, often considered the **"magic molecule"** can engender remarkable innovations in the field of DNA nanotechnology".

According to Prof. Gupta, These innovations hold the potential to revolutionize drug delivery systems and vaccine development. His academic pursuits are driven by the application of mathematics to own emerging technologies. Prof. Gupta group is renowned for their contribution to DNA nanotechnology, having developed open-source software products like DNA Pen, 3DNA, and DNA Cloud.

## 9TH ANNUAL INTERNATIONAL CONFERENCE ON ALGORITHMS AND DISCRETE APPLIED MATHEMATICS (CALDAM 2023)

DAIICT hosted the 9th Annual International Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2023) between February 9th & 11th. The event, organized under the aegis of the Association for Computer Science and Discrete Mathematics (ACSDM), served as a prominent platform for researchers specializing in algorithms and applied discrete mathematics to share their latest research.

The conference attracted experts and enthusiasts from around the world. In line with the tradition of CALDAM, the proceedings of accepted papers from this year's conference are set to be published in the Lecture Notes in Computer Science by Springer. Additionally,

One of the highlights of CALDAM conferences has been the recognition of outstanding student presentations, a tradition generously sponsored by Springer. It is anticipated that selected papers will be featured in a special issue of Discrete Applied Mathematics (DAM), mirroring the practice from previous CALDAM events.

# CALDAM 2023

Indo-Dutch Pre-Conference School  
on Algorithms and Combinatorics  
**February 6 - 7, 2023**

9th Annual International Conference on  
Algorithms and Discrete Applied Mathematics  
**February 9 – 11, 2023**



Springer



## 30-HOUR VALUE-ADDED COURSE IN COLLABORATION WITH IRMA



A comprehensive value-added course titled 'Econometric Methods for Causal Inference' was organized in collaboration with the Institute of Rural Management Anand (IRMA) by DAICT. Designed exclusively for MSc (Agriculture Analytics) students, the course was aimed at equipping participants with advanced knowledge in econometric methods for understanding causal relationships.

The intensive 30-hour course, taught from May 15th to May 30th, 2023, was led by IRMA Professor Vivek Pandey.

The MSc (Agriculture Analytics) program, initiated in 2022, is a collaborative effort between DAICT, Anand Agriculture University, and the Indian Institute of Remote Sensing (IIRS).



**DAICT, in partnership with Amnex,** successfully organized a **Value-added Course** on the **"Applications of Advanced Geospatial Technologies in Agriculture."** for MSc (Agriculture Analytics) students, the course offered a deep dive into the practical applications of cutting-edge geospatial technologies in the realm of agriculture. The successful completion of the value-added course reflects DAICT's commitment to offering students a holistic education, connecting academic theories with real-world practices, and providing students with opportunities to excel in their chosen fields.



# NCM-ATM SCHOOLS HOSTS MATHEMATICS FOR DATA SCIENCE SESSION



## National Centre for Mathematics A joint centre of IIT Bombay & TIFR, Mumbai

Venue: DA-IICT, Gandhinagar  
2<sup>nd</sup> Jan 2023 to 14<sup>th</sup> Jan 2023

### IST - Mathematics for Data Science (2023)

#### Convener(s)



Prof. Bhaskar Chaudhury  
Dean (Students) & Associate Dean (Academics)



Prof. Tathagata Bandyopadhyay  
Distinguished Professor, DA-IICT

#### Name of the Instructors/ Affiliation

Anirban Dasgupta (AD)  
N Rama Rao Chair Professor, CS & Engineering  
IIT Gandhinagar, Gandhinagar, Gujarat, India

Bhaskar Chaudhury (BC)  
Associate Dean (Academic Programmes), DA-IICT

Gaurav Singh (GS)  
Adjunct Professor, DA-IICT

Pritam Anand (PA)  
Asst Professor, DA-IICT

Gaurangadeb Chattopadhyay (GC)  
Professor, Department of Statistics  
University of Calcutta, Kolkata, India

Tathagata Bandyopadhyay (TB)  
Distinguished Professor, DA-IICT

Rachit Chaya (RC)  
Asst Professor, DA-IICT

Arpit Rana (AR)  
Asst Professor, DA-IICT

Visit: [www.atmschools.org/school/2023/ist/mds](http://www.atmschools.org/school/2023/ist/mds) for submission of forms  
Last date of form submission: December 15, 2022

The National Centre for Mathematics Advanced Training in Mathematics Schools (ATM Schools) initiative, jointly supported by IIT Bombay and TIFR Mumbai, successfully concluded its recent program focusing on Mathematics for Data Science.

This event was held at DAIICT on the 2nd to the 14th of January 2023. The core objective of this program was to equip participants with a comprehensive understanding of the foundational mathematical principles underpinning the dynamic field of data science. Prof. Bhaskar Chaudhury and Prof. Tathagata Bandyopadhyay, DAIICT Gandhinagar faculty, skillfully organized and facilitated the event. Through this two-week session, participants were immersed in topics meticulously chosen to empower them with a solid grasp of the mathematical underpinnings critical to data science's evolution as a discipline.

## WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS

The virtual event was open to MTech students, PhD scholars, faculty members, and startup enthusiasts.

The main purpose of the workshop was to help people understand how to file patents. In today's world, where new ideas drive progress, it's essential to know about intellectual property rights.

The event had some notable speakers who shared their knowledge. Anil Gupta, a former professor at IIM Ahmedabad, started things off. Yashawant Dev Panwar from TIFAC, a government organization in India, also shared valuable insights. Other experts included Narottam Sahoo from GUJCOST, a government body in Gujarat, Andrew Michael Ong from WIPO, Kavita Amish Shah, who is an Independent Patent Agent, and Tarun Jain from Jain and partners consultants.

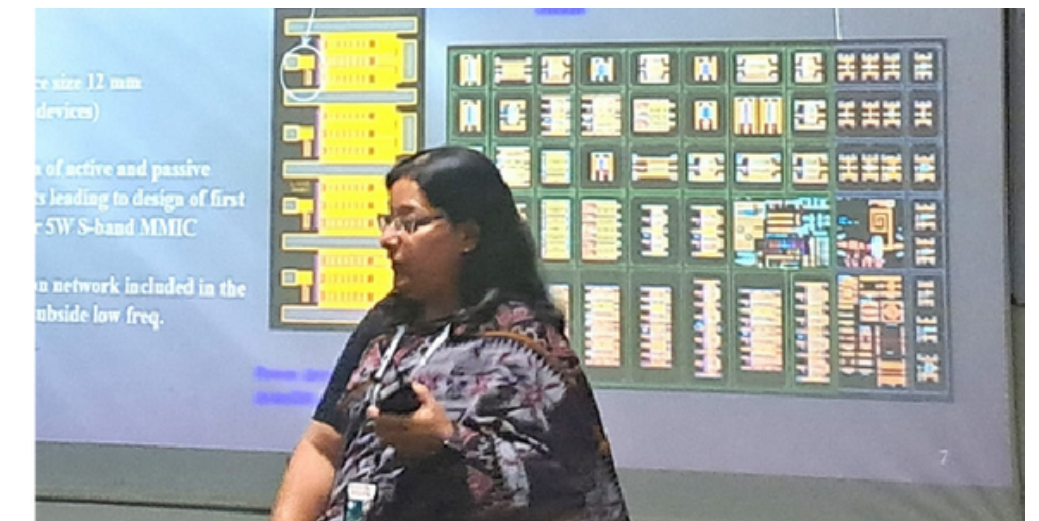
## KARYASHALA, SERB, ACCELERATE VIGYAN, INDIA AND IEEE CHAPTER OF SSCS AND EDS, GUJARAT SECTION JOINTLY CONDUCTED TWO HIGH-END WORKSHOPS DURING THE MONTH OF JULY, 2023 AT DAICT, GANDHINAGAR.

High-End Workshop in Image Processing and its Applications using VLSI Architectures was organized by Dr. Manish Khare and Dr. Yash Agrawal from 3rd-8th July, 2023. The focus of the one-week workshop has been to understand the role of VLSI in image processing and to explore the various hardware implementation technologies for signal processing in VLSI, e.g. ASIC, FPGA, DSP, RISC, MCU. Project development on image processing applications such as Image Enhancement, Segmentation and Object detection, multispectral images, remote sensing, real time data, were discussed and Hands on session using MATLAB/Python, Verilog Hardware Description language (HDL) and FPGA were conducted. Another week long High-End Workshop on AI/ML Algorithms and Applications in VLSI Design and Technology was organized by Dr. Sreeja Rajendran and Dr. Yash Agrawal from 17th-22nd July, 2023.



The one-week workshop aimed to introduce the basic concepts of Artificial Intelligence and Machine Learning and its applications in the area of VLSI Design and Technology. The scope of AI/ML at various levels of abstraction were discussed. Hands-on-training and exposure to different computer-aided design tools such as MATLAB, Python, Cadence, Xilinx-Verilog and FPGA were provided. Application oriented VLSI system project development using AI/ML were developed towards the end of the workshop. IEEE Chapter of SSCS and EDS, Gujarat Section, India also organized expert talks on Emerging Trends in Semiconductor Devices on 29th July 2023.

The sessions were organized by Dr. Yash Agrawal and Dr. Anil Roy. Dr. Meena Mishra and Dr. Deependra Singh Rawal from the Solid State Physics Laboratory (SSPL) Delhi, delivered expert talks on GaN MMIC technology and GaN/SiC HEMT device technology for X/Ku band MMIC Applications.



## UNIQUE INITIATIVE AT DAIICT: QR CODING FORCAMPUS FLORA

In a pioneering effort to foster environmental awareness and appreciation for the rich flora within its campus, DAIICT Gandhinagar has initiated an innovative project. The institution, conscious of the pressing issues of global warming and climate change, is taking steps to educate students and the community about the diversity of plant species on its grounds. DAIICT collaborated with Navsari Agricultural University (NAU) to initiate a project. The project involves the identification and QR coding of various trees, shrubs, and herb species within the campus. Each QR code will provide detailed information about the respective species, making it easily accessible to anyone with a smartphone.



Dr. Z. P. Patel, the Honorable Vice Chancellor of Navsari Agricultural University, graciously extended his assistance beyond the boundaries of university and state forests to help DAIICT fulfill this mission.

Dr. K. S. Dasgupta, Director DAIICT, has been a driving force behind this initiative, offering unwavering encouragement and motivation to all involved. DAIICT has not only provided financial support for the project but also ensured the boarding and lodging arrangements for the survey team from NAU, Navsari. The administrative support from both DAIICT and NAU has been instrumental in the successful execution of this unique exercise.

Sh. Jalpesh Pandya, Deputy Registrar Academic & Data Depository, DAIICT, and Sh. Kirit Pandya, Administrative Officer, have played pivotal roles in overseeing and coordinating the project, ensuring its successful implementation.

This groundbreaking initiative underscores DAIICT's commitment to environmental conservation and education, setting an example for institutions across the nation. Through QR coding, the campus flora becomes not just a visual treat but an educational resource for all, fostering a deeper connection with nature and a sense of responsibility toward the environment.

## NEW FACULTY RECRUITMENTS

Prof. Sudip Bera

**Join Date:** 02/01/2023

**Education:** PhD (Mathematics), Visva-Bharati University,  
West Bengal

**Designation:** Assistant Professor



Prof. Pankaj Kumar

**Join Date:** 16/01/2023

**Education:** PhD (RF & Microwave), NIT Patna

**Designation:** Assistant Professor



Prof. Pratim Roy

**Join Date:** 27/02/2023

**Education:** PhD (Physics), IIT Kanpur

**Designation:** Assistant Professor



Ms. Ratna Bharati B

**Join Date:** 21/08/2023

**Education:** PhD (Pursuing), Dr B R Ambedkar University, Delhi

**Designation:** Assistant Professor



Prof. Purbasha Das

**Join Date:** 04/09/2023

**Education:** PhD (History), Jawaharlal Nehru University, New Delhi

**Designation:** Assistant Professor



## NEW STAFF RECRUITMENTS

### Chirag Nayak

Date of Joining: 23/1/2023  
Education: Diploma & B.Tech. in EC  
Institute: R H Patel Kheralu, Gujarat  
Designation: Laboratory Assistant



### Jayesh Patel

Date of Joining: 20/3/2023  
Education: BBA, MBA in Finance  
Institute: Charusat Changa, Gujarat  
Designation: AIP/CEP Officer



### Mayuri Mistry

Date of Joining: 1/3/2023  
Education: M.Com Institute: CU Gujarat  
Designation: Academic Assistant



### Govind Prajapati

Date of Joining: 23/8/2023  
Education: B.E. in Electrical & Communication  
Institute: Govt. Engineering College, Gujarat  
Designation: Laboratory Assistant



## NEW LIBRARY TRAINEES

### Prashant Kumar

Date of Joining: 1/8/2023  
Education: Master in Library Science  
Institute: Indian Statistical Institute, Bangalore



### Yamini Bhoware

Date of Joining: 1/8/2023  
Education: Master in Library Science  
Institute: R C Maharaj Nagpur University, Nagpur



### Soni Singh

Date of Joining: 14/8/2023  
Education: Master in Library Science  
Institute: Banaras Hindu University



### Nisha Varma

Date of Joining: 14/8/2023  
Education: Master in Library Science  
Institute: CU Gujarat



## FACULTY ACHIEVEMENTS

### Prof. Jenson Joseph,

**Publications:** "On Mumbai Police and Drishyam: Reading Desire Into Two New Wave Crime Thrillers in Malayalam" Prof. Joseph delves into the intricacies of desire as portrayed in contemporary Malayalam crime thrillers. This chapter can be found in the book "Aesthetics in India: Transitions and Transformations" edited by V.S. Sreenath et al.

**Special Issue Editor** 'Media Studies and the Contemporary' in the journal Studies in South Asian Film and Media showcases. Published by Intellect, released in July 2023.

**Invited Speaker panelist** at the session titled 'Visual Media, Technology, and Expansion of Democratic Space in Libraries.' The discussion was organized by the Kerala Chalachitra Academy, Department of Cultural Affairs, Govt. of Kerala, as part of the Indian Library Congress in Kannur on January 1, 2023.

### Dr. Rahul Mishra,

**Publication** - "Designing and Training of Lightweight Neural Networks on Edge Devices using Early Halting in Knowledge Distillation" and "Machine Learning-based Interference Mitigation in Long-Range Networks for High-Ceiling Smart Buildings."

**Event** - Expert talk on "When Deep Learning Meets the Internet of Things" at Vishwakarma Government Engineering College on August 19, 2023. Chaired the Workshop on Intellectual Property Rights 2023 at DAIICT Gandhinagar on April 15, 2023. In June 2023,

Dr. Mishra was **Guest Editor** for MDPI's "Special Issue on Recent Advances in Federated Learning Algorithms". Dr. Mishra role for Vice Chair Technical Activity for IEEE Sensor Council GC in August 2023. He also play role as Technical Program Chair for INDICON 2023.

**Project** - "Development of IoT and AI/ML Systems in Reliance Sasan Power Plant and Coal Mines" project, in collaboration with the SPL Team, supported by Reliance SPL and DAIICT.

### Ms. Ratna Bharati B.

**Presented a paper** at Dr B R Ambedkar University Delhi on August 22, 2023. The paper, titled "Analyzing Transnational Engagement of the Patidar Diaspora through Dharmaj Day," was a pivotal contribution to the conference titled "Understanding the Social World: Theories, Methods and Practices." Ratna Bharati B. has recently concluded a significant chapter in her academic journey by submitting her PhD thesis in the Sociology program at the School of Liberal Studies at Dr B R Ambedkar University Delhi. Her doctoral research project delves into the intricate dynamics of migrant and non-migrant relationships, focusing on the formation of migrant subjectivities among the Gujarati Diaspora originating from Dharmaj, Gujarat.

### Prof. Puneet Bhateja

#### Presentations

Theoretical Aspects of Software Engineering - 17th International Symposium, TASE 2023, Bristol, UK, July 4-6, 2023

### Prof. Prosenjit Kundu

#### Publications:

"Early warnings for multi-stage transitions in dynamics on networks". Neil G MacLaren, **Prosenjit Kundu**, Naoki Masuda, Journal of the Royal Society Interface, 20, 20220743, (2023) (The Royal Society Publishing <https://doi.org/10.1098/rsif.2022.0743>) (Impact factor 3.9)

"Dimension reduction in higher-order contagious phenomena". Subrata Ghosh, Pitambar Khanra, **Prosenjit Kundu**, Peng Ji, Dibakar Ghosh, Chittaranjan Hens Chaos, 33, 053117 (2023) (AIP publishing, doi: <https://doi.org/10.1063/5.0152959>). (impact factor 3.741) (Corresponding Author)

"Perfect synchronization in complex networks with higher-order interactions". Sangita Dutta, **Prosenjit Kundu**, Pitambar Khanra, Chittaranjan Hens, and Pinaki Pal, Physical Review E, 108, 024304, (2023) (American Physical Society (APS) publishing doi: <https://doi.org/10.1103/PhysRevE.108.024304>, IF: 2.707) (Corresponding Author)

**Dr. Manish Kumar**

**Invited Speaker and Resource Person at IIIT Pune:** hosted a session in the SERB-DST Karyashala workshop on "Design, Analysis, and Simulation of 5G and 6G communication system" held at IIIT Pune.

**Technical Program Committee (TPC) Chair for SGCNSP:** took on the role of TPC Chair for the International Conference on 6G Communications Networking and Signal Processing (SGCNSP). This International Conference will be held at Nanyang Technological University (NTU), Singapore, and is eagerly anticipated by industry veterans and budding technologists alike.

**TPC Member for IEEE ELEXCOM conference at IIT Roorkee:** has served as a TPC Member for the IEEE ELEXCOM conference hosted at IIT Roorkee.

**Book Proposal Accepted with Springer:** His book proposal, titled "Parameter Estimation, Synchronization, and Modulation Classification for OFDM System", has been accepted by Springer.

**Prof. Madhu Kant Sharma**

**Publications:** Existence of optimal pairs and solvability of non-autonomous fractional Sobolev-type integrodifferential equations Journal: Indian Journal of Pure and Applied Mathematics Publication contributes valuable insights to the field of non-autonomous fractional Sobolev-type integrodifferential equations.

**Prof. Shruti Bhilare**

**Publications:**

Umang Patel, **Shruti Bhilare** and Avik Hati, "Enhancing Transferability of Adversarial Audio in Speaker Recognition Systems", In Iberian Conference on Pattern Recognition and Image Analysis (IbPRIA), Spain, June 2023.

**Prof. Srimanta Mandal**

**Membership of Committees** - Nominated as member of an Advisory Group constituted by the Commissioner, Technical Education, Gujarat , to help build this ecosystem of the emerging area in Government Engineering Colleges.

**Elevated to the grade of IEEE Senior member.**

**Prof. Minal Bhise**

**Publications:**

M. Patel and **M. Bhise**, MUAR: Maximizing Utilization of Available Resources for Query Processing, in 2023 IEEE/ACM 23rd International Symposium on Cluster, Cloud and Internet Computing Workshops (CCGridW), Bangalore, India, 2023 pp. 176-183

**Membership of Committees** - Expert committee member for selection/promotion of a faculty/scientist at a reputed Institution/R&D organization · Subject Expert, CSE Faculty Recruitment, PDEU, Gandhinagar, July 2023 · Subject Expert, CSE Faculty Recruitment, PDEU, Gandhinagar, March 2023

**Board of Studies** - Academic Member, Board of Studies, Computer Science and Engineering Department (SoT), PDEU, Gandhinagar (2023-2026)

**Technical Program Committee Conference:** 15th International Conference on Knowledge Management and Information Systems KMIS 2023, Italy Conference: The Eighth IEEE International Conference on Fog and Mobile Edge Computing FMEC, Tartu, Estonia 2023

**Invited Talks** Transaction Management in Databases, CSE Department, PDEU, Gandhinagar, 2023 Publications M. Patel and M. Bhise, MUAR: Maximizing Utilization of Available Resources for Query Processing, in 2023 IEEE/ACM 23rd International Symposium on Cluster, Cloud and Internet Computing Workshops

## STAFF ACHIEVEMENTS

Mukesh Shrimali Successfully completed his Master of Library and Information Science (MLISc) degree from Monark University on August 31, 2023. This academic accomplishment is a testament to his commitment to advancing his expertise in the field.

Swati Mitra Accomplished the completion of her Bachelor of Library and Information Science (BLISc) degree from Indira Gandhi National Open University (IGNOU) on March 20, 2023. This achievement reflects her dedication to continuous learning and personal growth.

Chaitanya Bhamare has successfully completed a certificate course in "Introduction to the Internet of Things". In this dynamic and rapidly evolving technological landscape, mastering the intricacies of the Internet of Things (IoT) is a significant achievement. Chaitanya's dedication, hard work, and commitment to learning have propelled them to successfully navigate this course and gain valuable insights into the world of IoT.

Dharmik Mehta has successfully completed a certificate in online course followed by assessment in "Advance Certification in Machine Learning in Python Environment" from Alison - The CPD Certification Service. (2) "NDG Linux Unhatched Course" from CISCO Networking Academy. (3) Advance Diploma in "Effective Human Resource Administration" from Alison - The CPD Certification Service. Dharmik's commitment to learning and growth is truly commendable.

Priyank Santola, commitment to professional learning Here are some of his recent course completions: Windows Server 2016, PHP and HTML, CSS, & Bootstrap. To further sharpen his professional acumen: Ultimate Bug Bounty Course Through his active endeavors in continued learning, Priyank is not just enhancing his own proficiency but also contributing significantly

Manish Mankad Served as a key member of the interview panel for the selection of Librarian positions at both GITAM University and PDEU, demonstrating his expertise and insight in the field. Received an exclusive invitation to attend the Springer Nature e-book enclave held in New Delhi, further enriching his knowledge and connections in the academic community.

Ramesh Prajapati exemplifies the spirit of continuous learning and industry originality. Here are his latest accomplishments: has completed several courses - Introduction to Cyber Security from CISCO Networking Academy., Networking Basics from CISCO Networking Academy, Introduction to Internet of Things from CISCO Networking Academy and Dante Level 1 from Audinate.

Other Notable Achievements - Shashikumara AA and Mukesh Shrimali actively participated in the enlightening event "Transforming Engineering Education through IEEE - Importance of IEEE Content in Technological Education." The event took place at Vivanta Ahmedabad SG Highway on August 4, 2023. Shashikumara AA, Manish Goswami, Mukesh Shrimali, Yamini Bhoware, and Prashant Kumar collectively participated in the One Day Seminar on "Open Access Resources in Libraries & their Impact on Education," held in conjunction with the celebration of Dr. S. R. Ranganathan's Birth Anniversary. This event, organized by ADINET in collaboration with INFLIBNET, took place on August 12, 2023, and showcased their commitment to staying informed about the latest trends in the field.

## RESOURCE CENTRE: ACTIVITIES, EVENTS AND ACHIEVEMENTS

- 2 Book Exhibitions were held at the RC (March and August 2023), which elicited a good response.
- RC hosted its new website, Resource Centre | DA-IICT (daiict.ac.in), which is user-friendly, exhaustive and easy to navigate.
- RC facilitated Library Science internship requests from Gujarat University and the Central University of Gujarat and hosted two interns from each university.

### Visitors to RC:

- Dr Rahul Dubey, ex-faculty, DAIICT
- Library Science Students from Mangalore University

### Facilities enhancements at RC

- A larger, dedicated space to keep students' baggage
- A seating lounge with newspapers has been provided at the RC reception
- Extra bookracks have been added to accommodate more number of books
- The E-book reader, Kindle, has been added to the RC



## PLACEMENT CELL

### POST-GRADUATE ORIENTATION

The Placement cell extended a warm welcome to the newly enrolled post-graduate students, celebrating their successful admissions. The concluded session aimed to furnish an in-depth preview of the upcoming placement season.

Placement cell also shared insights of the institution's values, culture, and commitment to academic excellence.

Integral to this orientation were the indispensable skills required for professional growth, covering the art of crafting compelling resumes, mastering interview techniques, and nurturing essential soft skills. a unique opportunity was for students to engage with accomplished alumni.

DAIICT education empower students on their professional journey.



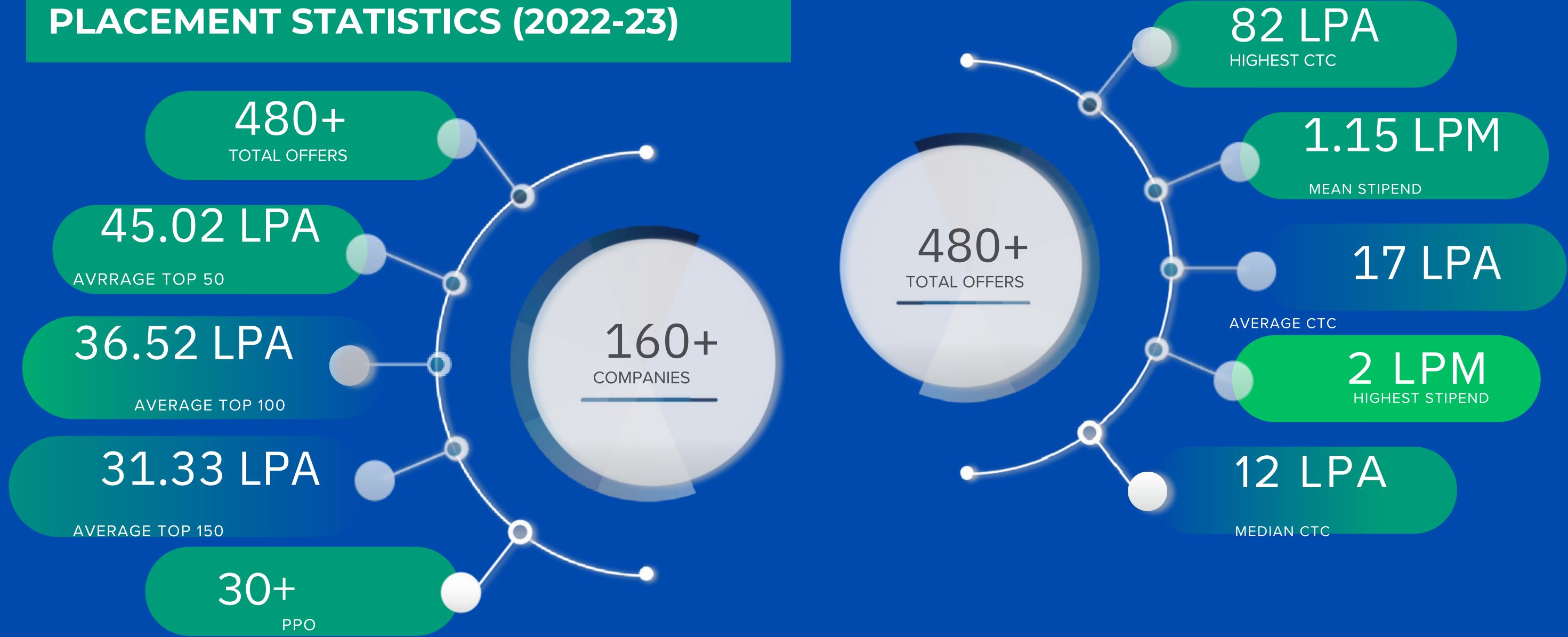
**Ms. Sneha Thakker, Manager, Placements, had an opportunity to meet with delegates from the Singapore office of Micron Technology, Inc. She participant at the 'SemiconIndia 2023'.** She extended an invitation to them to explore various collaborative opportunities with DAIICT.

Accepting the invitation, Micron Technology, Inc's Singapore delegates visited DAIICT on 1st August 2023. Part of her proposition included signing a Memorandum of Understanding (MOU), creating Internship opportunities, pushing forward Placement initiatives, and encouraging Research collaboration, among other mutually beneficial prospects.

Ms. Thakker highlighted the institute's newly launched B.Tech(EVD) course. They interacted with our VLSI faculties to understand the various strengths our institute holds in the VLSI area. A testament to this successful initiative is that they hired four of our students in the Placement Drive for the academic year 2023-24, marking a significant achievement for our Placement Cell.



# PLACEMENT STATISTICS (2022-23)



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