



Prof (Dr.) Ajay K. Sharma

Director & Professor

Room No. 218, 4th Floor, Admin Block



Email:

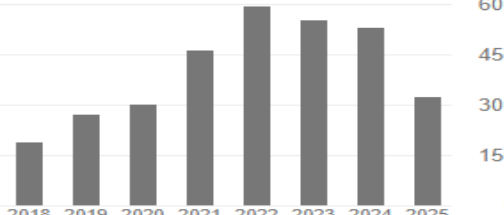
director@nitdelhi.ac.in

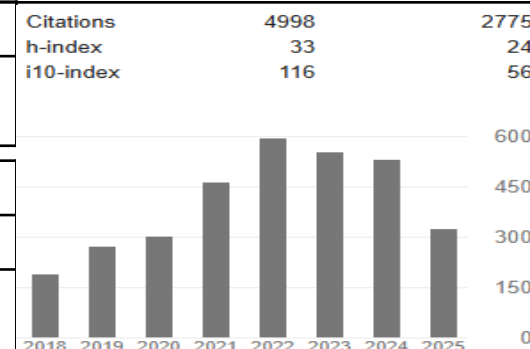
Web-Page:

<https://nitdelhi.irins.org/profile/222605>

Research interests:

- Optical Communication Systems
- Optical Networks
- Wireless Communication Systems and Sensor Networks
- Radio-over-Fiber
- Soliton Transmission links

International & National Journals (Overall)						210					
International Conferences (Overall)						84					
National Conferences (Overall)						60					
Book Chapters (Overall)						-					
Books (Overall)						12					
Patents (Overall)						-					
PhD Students Guided (Overall)						-					
M. Tech Students Guided (Overall)						-					
B. Tech Students Guided (Overall)						-					
Citations / H - Index						Citations		4998		2775	
1973		22		247		h-index		33		24	
CITATIONS		H-INDEX		CROSSREF		i10-index		116		56	
Google Scholar											
CITATION		H INDEX		I-10 INDEX							
4998 Total	2775 (2020)	33 Total	24 (2020)	116 Total	56 (2020)						





Prof (Dr.) Geeta Sikka

Professor, DoCSE
 Room No. 218, 2nd Floor, Admin Block
 Society Member
 IEEE Member



Email:

sikkag@nitdelhi.ac.in

Web-Page:

<https://nitdelhi.irins.org/profile/89961>

Research interests include:

- Data Mining
- Data Warehousing
- Databases
- Data Science
- Data Analytics,
- Big Data
- Software Engineering
- Security
- Cloud Computing

International & National Journals (Overall)	70+
International Conferences (Overall)	40+
National Conferences (Overall)	-
Book Chapters (Overall)	10+
Books (Overall)	-
Patents (Overall)	-
PhD Students Guided (Overall)	20 (10 Awarded + 10 Ongoing)
M. Tech Students Guided (Overall)	80+ Awarded
B. Tech Students Guided (Overall)	200+ Awarded

Citations / H - Index

1973 CITATIONS	22 H-INDEX	247 CROSSREF
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Google Scholar

CITATION		H INDEX		I-10 INDEX	
1992 Total	1466 (2020)	22 Total	48 (2020)	41 Total	30 (2020)



Research Activities

Parameters	Conducted/ Attended
Workshops	08
Faculty Development Program	30+
Short Term Courses	30+
Guest Lecture	06
International Conferences	04
Training Program	01 (2 Months Internship Program with Dr. Amandeep Kaur)
Expert Talk	05

Sponsored Projects-Granted

S. No.	Investigator(s)	Funding Agency	Title of the project and duration	Funding Received (Rs)
1.	Prof (Dr.) Geeta Sikka	DST	Improvement of S&T Infrastructure (FIST)	Rs. 118 Lakh
2.	Prof (Dr.) Geeta Sikka	SERB	An intelligent network analyzer cum patcher for advanced security hardening of the organizational network	Rs. 72,79,420
3.	Prof (Dr.) Geeta Sikka	NPIU	Utilizing the power of Real Time Data Analytics and IoT to improve Traffic; E-governance for Smart Cities	Rs. 11,00,000

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1.	Convenor	E-STC on “Artificial Intelligence and its Application to Smart Systems”	2023	Short Term Course
2.	Convenor	STC on Designing the Future of Networks: Conceptualizing VANETs, IOT, UAN, and 5G with Net Sim	2024	Short Term Course
5.	Convenor	One Week Short Term Course on Decoding Business Insights: AI, Data Analytics and Research Synergies	2024	Short Term Course
6	Convenor	Five Days Short Term Course on “Evolving Artificial Intelligence”	2024	Short Term Course
6.	Convenor	Workshop on Robotics and AI: Shaping the Future of Industrial Automation	2024	Workshop
7.	Convenor	Internship and Workshop on Optimization Techniques in IOT Enabled Wireless Sensor Networks	2024	Workshop
8.	Convenor	Summer Internship 2025 in Data Analytics and Machine Learning (DA-ML)	2025	Internship
9.	Convenor	Summer Internship 2025 in Wireless Sensor Networks, IoT, Machine Learning, and Healthcare.	2025	Internship



DAViSE Lab Summer Internship 2025



DAViSE LAB
DATA ANALYTICS AND VISION FOR SMART ENVIRONMENTS LAB
Navigating the unbounded world of Analytics and Vision

DAViSE Lab SUMMER INTERNSHIP 2025

DAViSE Lab, Department of Computer Science and Engineering, NIT Delhi
invites applications for 2 Months Summer Internship on Data Analytics and Machine Learning (DA-ML)

About DAViSE Lab

The Data Analytics and Vision for Smart Environment (DAViSE) Lab, established in 2024, is a cutting-edge research facility focused on leveraging data analytics and advanced computing for global challenges. DAViSE Lab aims to foster sustainable, data-driven solutions for a smarter and more resilient future. The researchers at DAViSE Lab are actively contributing in Smart Environments, areas including Smart Agriculture, Smart Disaster Management, Smart Healthcare and Intelligent Transportation Systems.

Internship Highlights

- One-week Foundation Course covering core concepts of Data Analytics and Machine Learning.
- Hands-on experience on Cutting-edge DA-ML approaches on state-of-the-art GPU-accelerated workstations.
- Project and Research Development for DA-ML-based solutions for real-world problems.

Eligibility Criteria

Students from any authorized university or educational institution who meet the qualifications listed below are eligible to apply:

- Applicants must be currently enrolled in an Undergraduate or Postgraduate program.
- Applicants must have No Objection Certificate (NOC) from Parent Institute and Guardians, to work at DAViSE Lab, NIT Delhi.
- Applicants must be available full-time for the entire internship duration.

Selection Procedure

- Eligible candidates must apply via the provided QR code by filling out a Registration Form.
- Applications will be reviewed based on eligibility and submitted information.
- Shortlisted candidates will receive an invitation for an interview.
- Candidates selected after the interview must provide NOC from Parent Institute and Guardians.
- Final selection will be confirmed after complying with NIT Delhi Terms and Conditions for Internship and submission of all required documents.
(Please refer: <https://shorturl.at/AYCzG>)



Scan QR for Registration

Important Information

- Registration Deadline: 20 May, 2025
- Internship Period: 03 June - 01 August, 2025
- Venue: DAViSE Lab, Admin Block, NIT Delhi

Chief Patron

Prof. (Dr.) Ajay K. Sharma
Director, NIT Delhi

Convener

Prof. (Dr.) Geeta Sikka
Professor & Dean Academics, NIT Delhi

Coordinators

Dr. Sahil
Assistant Professor, DoCSE, NIT Delhi

Dr. Amandeep Kaur
Assistant Professor, DoCSE, NIT Delhi

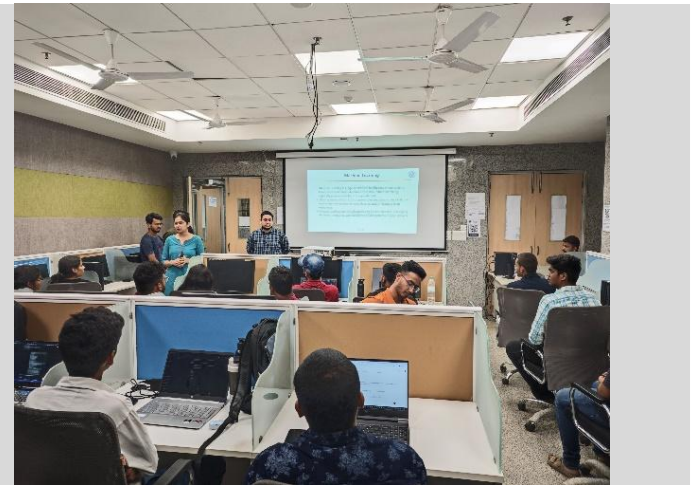
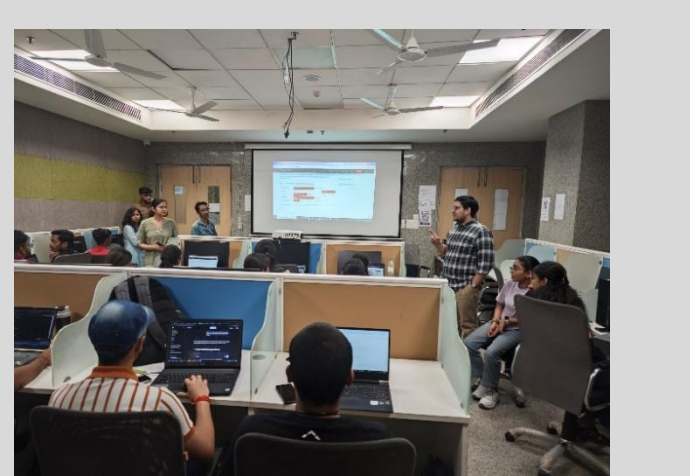
Contact Persons

Ms. Ankita Rai | +91 80098 49020
Mr. Jasmeet Singh | +91 70003 83074

✉ daviselab@nitdelhi.ac.in



<https://www.linkedin.com/company/daviselab/>





International Women's Day 2025





STC on Decoding Business Insights: AI, Data Analytics and Research Synergies (2025)

Department of Computer Science & Engineering, NIT Delhi
in collaboration with
Department of Management Studies, ABV-IIITM Gwalior

Organizes
One Week Short-Term Course
on

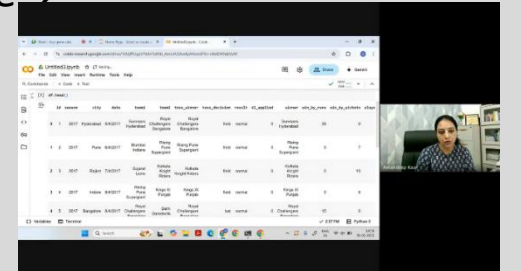
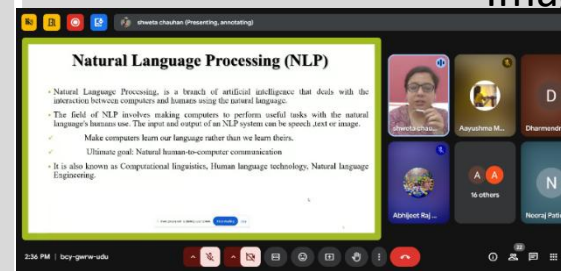
Decoding Business Insights: AI, Data Analytics And Research Synergies

CHIEF PATRONS **Date : 29th May - 4th June, 2025**

CONVENERS

SPEAKERS

Coordinators: Dr. Amandeep Kaur, Assistant Professor, DoCSE, NIT Delhi | Dr. Sahil, Assistant Professor, DoCSE, NIT Delhi | Dr. Amandeep Kaur, Assistant Professor, DoMS, ABV-IIITM Gwalior





IMPORTANT DATES					
					
Full paper Submission 23 August, 2025 (14:00 Hours)	Acceptance Notification 30 October, 2025 (14:00 Hours)	Camera Ready Manuscript 15 November, 2025 (14:00 Hours)	Conference Registration 26 November, 2025 (14:00 Hours)		
<div> <div> <div>CONFERENCE COMMITTEE</div> <div> <p>Chief Patron Shri C. K. Birla Chairperson, Board of Governors, NIT Delhi</p> <p>General Chair Prof. (Dr.) Ajay K. Sharma Director, National Institute of Technology Delhi</p> <p>Honorary Chair Prof. (Dr.) Binod K. Kanaujia Professor & B. R. N. IT, Noida</p> <p>Conference Chair Prof. (Dr.) Geeta Sikka Professor & Dean Academics, Dept. of CSE, NIT Delhi</p> <p>Conference Co-Chair(s) Dr. Munesh Singh Associate Professor and Head, Dept. of CSE, NIT Delhi Dr. Ansh Mahajan Associate Professor, Dept. of Applied Sciences NIT Delhi</p> <p>Conference Secretary(s) Dr. Amandeep Kaur Assistant Professor, Department of CSE, NIT Delhi Dr. Gautam Kumar Assistant Professor, Department of CSE, NIT Delhi Dr. Gunjan Assistant Professor, Department of CSE, NIT Delhi Dr. Rashli Assistant Professor, Department of CSE, NIT Delhi</p> <p>Conference Convenor(s) Dr. Shelly Sachdeva Associate Professor, Department of CSE, NIT Delhi Dr. Somayee Singh Associate Professor, Dept. of CSE, Dr. B. R. N. IT, Palam Dr. Rishav Singh Assistant Professor, Department of CSE, V. N. S. Faridkot Dr. Chandra Prakash Assistant Professor, Department of CSE, V. N. S. Faridkot</p> <p>Head, Dept. of IoT and Intelligent Systems, VU Jaipur</p> </div> <div> <div>INVITED SPEAKERS</div> <div> <p>Prof. Yogesh Singh Vice-Chancellor, Delhi University, India</p> <p>Prof. Xiao-Zhi Gao Professor, University of Eastern, Ireland</p> <p>Prof. Prateek Sharma Vice-Chancellor, DTU, India</p> <p>Prof. S-Chuanbyr Professor, University of Texas, USA</p> <p>Prof. Manoj Mishra Professor, IIT Roorkee, India</p> </div> </div> </div> </div>					
CONFERENCE COMMITTEE		INVITED SPEAKERS			
CONFERENCE COMMITTEE		CONFERENCE OVERVIEW			
<p>IC2SDI is a global platform uniting researchers, innovators and industry leaders to explore cutting-edge advancements in computer science and digital technologies. Covering AI, cybersecurity, cloud, IoT, digital transformation, and data analytics, the conference fosters collaboration, drives innovation, and empowers participants to shape the future of intelligent digital systems.</p> <p>Conference Record #68218</p>		<p>IC2SDI is a global platform uniting researchers, innovators and industry leaders to explore cutting-edge advancements in computer science and digital technologies. Covering AI, cybersecurity, cloud, IoT, digital transformation, and data analytics, the conference fosters collaboration, drives innovation, and empowers participants to shape the future of intelligent digital systems.</p> <p>Conference Record #68218</p>			
CONFERENCE TRACKS					
<div> <div>  <p>Artificial Intelligence and Machine Learning Explores advances in AI and ML, covering learning techniques, computer vision, NLP, generative AI, and reinforcement learning. Focus on responsible deployment and real-world impact across industries.</p> </div> <div>  <p>Cybersecurity, Cybersecurity, and Network Security Explores advanced cybersecurity, network resilience, and AI-driven threat detection to secure modern digital environments. Covering zero-trust security, security-by-design, and scalable solutions for cloud, edge, and on-premise systems.</p> </div> <div>  <p>Cloud Computing, IoT, and Edge Technologies Explores the integration of cloud, edge, and AI to create scalable, real-time distributed systems, focusing on emerging solutions for performance, security, and interoperability.</p> </div> <div>  <p>Digital Innovation, Transformation, and Innovation Stories Focuses on the digital technologies drive efficiency, sustainability, and innovation across industries, from smart cities and healthcare to autonomous mobility and energy, creating real-time decisions, automation, and future-oriented ecosystems.</p> </div> <div>  <p>Data Analytics and Mining Explores emerging trends in big data analytics and mining, focusing on AI-driven techniques, real-time insights, privacy-preserving methods, and scalable solutions for intelligent, data-driven systems.</p> </div> </div>					
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CONFERENCE COMMITTEE

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Chairman, Council of Ministers, NIT Delhi

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Prof. (Dr.) Ajay K. Sharma
Secretary, National Institute of Technology (NIT)
Delhi

Honorary Chair
Prof. (Dr.) Binod K. Koushik
Secretary, NIT Delhi

Conference Chair
Prof. (Dr.) Sanku Datta
Professor & Vice-Chancellor, NIT (Dr. Biju Das)

Conference Co-Chair (s)
Dr. Mounish Singh
Associate Professor and HOD, NIT Delhi & CSE, NIT
Delhi
Dr. Anil Mahajan
Associate Professor and HOD, NIT Delhi & CSE, NIT
Delhi

Conference Secretary (s)
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Dr. Soumya Kumar
Associate Professor, Department of CSE, NIT Delhi
Dr. Anil Mahajan
Associate Professor, Department of CSE, NIT Delhi
Dr. Sanku Datta
Associate Professor, Department of CSE, NIT Delhi

Conference Convener (s)
Dr. Shelly Saxena
Associate Professor, Department of CSE, NIT Delhi
Dr. Mohan Kumar
Associate Professor, Department of CSE, NIT Delhi
Dr. Anand Kumar
Associate Professor, Department of CSE, NIT Delhi
Dr. Soumya Kumar
Associate Professor, Department of CSE, NIT Delhi
Dr. Anil Mahajan
Associate Professor, Department of CSE, NIT Delhi

Organizing Committee
Prof. (Dr.) Sanku Datta
Professor & Vice-Chancellor, NIT (Dr. Biju Das)
Dr. Mounish Singh
Associate Professor and HOD, NIT Delhi & CSE, NIT
Delhi
Dr. Anil Mahajan
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Delhi
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Dr. Anil Mahajan
Associate Professor, Department of CSE, NIT Delhi
Dr. Sanku Datta
Associate Professor, Department of CSE, NIT Delhi

TECHNICAL PROGRAM COMMITTEE

Chair
Prof. Anand Kumar
Associate Professor, Department of CSE, NIT Delhi

Co-Chair
Prof. Soumya Kumar
Associate Professor, Department of CSE, NIT Delhi

2ND INTERNATIONAL ADVISORY COMMITTEE
Prof. Anand Kumar
Associate Professor, Department of CSE, NIT Delhi
Prof. Vijay Kumar
Associate Professor, Department of CSE, NIT Delhi
Prof. Anand Kumar
Associate Professor, Department of CSE, NIT Delhi
Prof. Soumya Kumar
Associate Professor, Department of CSE, NIT Delhi
Prof. Anil Mahajan
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Prof. Sanku Datta
Associate Professor, Department of CSE, NIT Delhi

CONFERENCE TRACKS

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Data Analytics and Mining
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CONFERENCE OVERVIEW

C2SDT (International Conference on Pioneering Development in Computer Science and Digital Technology) is a good platform bringing together researchers, innovators, and industry experts to discuss emerging trends in computer science and digital technologies. Covering areas like Cybersecurity, Cloud Computing, AI, Data Analytics, and Digital Transformation, the conference fosters collaboration and innovation. It promotes interdisciplinary research and real-world impact, empowering participants to shape the future of intelligent digital systems. After successfully hosting the inaugural edition of C2SDT in 2024, the Department of Computer Science and Engineering is now preparing to present its second edition.

Conference Record # B8218.

ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering at NIT Delhi offers undergraduate, postgraduate, and doctoral programs. It has two undergraduate branches: Computer Science and Engineering (CSE) and Artificial Intelligence and Data Science (AI & DS), and postgraduate programs in CSE and CSE-Analytics. The department is committed to advancing computer science education and fostering a research-oriented environment. It encourages interdisciplinary collaboration, supports faculty and student research initiatives, and actively contributes to academic development through seminars, industry interactions, and outreach programs.

CONFERENCE TRACKS

Artificial Intelligence and Machine Learning
Associate Professor, Department of CSE, NIT Delhi
Associate Professor, Department of CSE, NIT Delhi
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Data Analytics and Mining
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Conference Record # B8218.

ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering at NIT Delhi offers undergraduate, postgraduate, and doctoral programs. It has two undergraduate branches: Computer Science and Engineering (CSE) and Artificial Intelligence and Data Science (AI & DS), and postgraduate programs in CSE and CSE-Analytics. The department is committed to advancing computer science education and fostering a research-oriented environment. It encourages interdisciplinary collaboration, supports faculty and student research initiatives, and actively contributes to academic development through seminars, industry interactions, and outreach programs.

ABOUT NIT DELHI

NIT Delhi, established in 2010, is one of India's premier institutes of National Importance under the Ministry of Education, Government of India. It offers cutting-edge education and research in Engineering, Science, Technology, Management, and Humanities Ranked 45th in NIRF 2024 among over 4000 engineering colleges in India. The Institute is committed to innovation-driven learning and solving real-world societal challenges. Academic activities began at NIT Delhi in 2010, and it moved to its 50-acre permanent campus on Dr. Karnal Road, Delhi. The Institute is continuing to expand its state-of-the-art campus and infrastructure, making it a promising choice for aspiring engineers.

IMPORTANT DATES

Full paper Submission
30 August, 2025 (Sun-Eve)

Acceptance Notification
30 October, 2025 (Sun-Eve)

Camera Ready Manuscript
18 November, 2025 (Sat)

Conference Registration
25 November, 2025 (Sat)

Conference Dates
04-06 December, 2025



Dr. Shelly Sachdeva

Designation: Associate Professor

Room No: 214

Society Member

IEEE Senior Member, ACM Member



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Web-Page:

<https://nitdelhi.irins.org/profile/98156>

Research interests include:

- Databases
- Health Informatics
- Big Data
- Data Analytics
- Database Security

International & National Journals (Overall)	45
International Conferences (Overall)	70
National Conferences (Overall)	-
Book Chapters (Overall)	8
Books (Overall)	5
Patents (Overall)	4
PhD Students Guided (Overall)	7
M. Tech Students Guided (Overall)	30
B. Tech Students Guided (Overall)	200+

Citations / H - Index

850
CITATIONS

14
H-INDEX

CROSSREF

Google Scholar

CITATION

H INDEX

I-10 INDEX

1414
Total

1088
(2020)

18
Total

16
(2020)

37
Total

28
(2020)



Research Activities

Parameters	Organised
Workshops	5
Faculty Development Program	6
Short Term Courses	0
Guest Lecture	10
International Conferences	6
Training Program	0
Expert Talk	10(Organized)+35(Delivered)

Sponsored Projects-Granted

S. No.	Investigator(s)	Funding Agency	Title of the project and duration	Funding Received (Rs)	Coordinator
1.	Dr. Shelly Sachdeva Dr. Rahul Katarya	DST	TRIP AID - Travel Risk Information in a Pandemic using Artificial Intelligence Development	1251000 (Completed)	Dr. Shelly Sachdeva Dr. Rahul Katarya

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1	Convenor	Workshop on Computing with Words via Fuzzy Logic with Applications	2019	Workshop
2	Co-ordinator	FDP on VLSI Chip Design Hands-on using Open Source EDA	2019	FDP
3	Co-ordinator	FDP on Python Programming with Industry Perspective	2019	FDP
4	Co-ordinator	ATAL FDP on Information System Frontiers	2022	ATAL FDP
5	Co-ordinator	ATAL FDP on Machine Learning Frontiers in Healthcare	2021	ATAL FDP
6	Co-ordinator	Research Orientation Workshop	2023	Workshop
7	Co-ordinator	ATAL FDP on Leveraging Healthcare: Innovations, Technology, and Applications	2024	ATAL FDP
8	Co-chair	1 st International Conference on Pioneering Developments IC2SDT	2024	International Conference
9	Chairman	International Conference on Big Data Analytics in Astronomy, Science, and Engineering 2024	2024	International Conference
10	Chairman	International Conference on Big Data Analytics in Astronomy, Science, and Engineering 2023	2023	International Conference
11	Chairman	International Conference on Big Data Analytics in Astronomy, Science, and Engineering 2022	2022	International Conference
12	Chairman	International Conference on Big Data Analytics in Astronomy, Science, and Engineering 2021	2021	International Conference
13	Chairman	8th International Conference on Big Data Analytics	2020	International Conference



Dr. Anurag Singh

Associate Professor

Room No: 216, Dept. of Computer Science & Engineering

IEEE Senior Member

IEEE Computer Society Member

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Web-Page:

<https://anuragsg52.github.io>

Research interests include:

- Intelligent Transportation System
- Federated Learning
- Video Analysis
- Networks, Network Reconstruction
- Social Network Analysis
- Complex Networks
- Graph Spectra
- Time Varying Networks
- Recommender Systems
- Opinion Dynamics
- Mathematical Modeling of Epidemic Spreading

International & National Journals (Overall)				33	
International Conferences (Overall)				44	
National Conferences (Overall)				2	
Book Chapters (Overall)				2	
Books (Overall)				-	
Patents (Overall)				1	
PhD Students Guided (Overall)				11	
M. Tech Students Guided (Overall)				32	
B. Tech Students Guided (Overall)				72	
Citations / H - Index					
540 CITATIONS		13 H-INDEX		341 CROSSREF	
Google Scholar					
CITATION		H INDEX		I-10 INDEX	
951 Total	720 (2020)	19 Total	16 (2020)	27 Total	21 (2020)



Research Activities

Parameters	Conducted/ Attended
Workshops	8
Faculty Development Program	2
Short Term Courses	4
Guest Lecture	10
International Conferences	1
Training Program	5
Expert Talk	100

Sponsored Projects-Granted

S. No.	Investigator(s)	Funding Agency	Title of the project and duration	Funding Received (Rs)
1.	PI	MATRICS, SERB, DST Project	Development of Dynamic Mathematical Modeling for COVID-19 Spread and Containment Start Date: Feb., 2020 End Date: Feb. 2023	Rs 6,60,000
2.	PI	MARICS SERB: A special call on COVID 19 modelling	Development of Dynamic Mathematical Modeling for COVID-19 Spread and Containment Start Date: July , 2020 End Date: July , 2021	Rs 5,50,000
3.	CoPI	INCOIS Project	Extended Forecast of Wind-wave Parameters along the Indian Coastline using Multi-tasking Machine-learning Techniques Start Date: July , 2024 End Date: Ongoing	Rs. 17,31, 000
4.	CoPI	SPRINT - Ideathon initiative, AWaDH IIT Ropar	Design and Development of an IOT based Hybrid System for accurate detection of distinct soil parameters to monitor the water and fertilizer operation in the Agricultural fields. Start Date: March , 2025 End Date: Ongoing	Rs. 7 ,00,000
5.	PI	SPRINT - Ideathon initiative, AWaDH IIT Ropar	TraceBite: Representing traceability and integrity in every bite of food Start Date: March , 2025 End Date: Ongoing	Rs. 2,50,000
6.	PI	TIH IIT Patna	Video Analytics Start Date: July , 2022 End Date: Ongoing	Rs, 10,00,00
7.	PI	Cognitive Science Research Initiative (CSRI) for research in interdisciplinary areas of Cognitive Science by DST	Empowering communication Video Captioning of Indian Sign Language Start Date: July , 2025 End Date: Ongoing	Rs 34,00,000
8.	Co_PI	FIST 2023	DST	Rs.1,18,00,000

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1.	Conference Chair	Technology, Engineering, Management for Societal Impact using Marketing, Entrepreneurship, and Talent	2025	Conferences
2.	Coordinator	Faculty Development Program (ATAL FDP)	2025	FDP
3.	TPC Chair	1st IEEE International Conference on Pioneering Developments in Computer Science & Digital Technologies	2024	Conference
4.	Session Chair	12th International Conference CICN 2020	2020	Conference
5.	Session Chair	International Conference on Future Learning Aspects of Mechanical Engineering	2022	Conference
6.	Session Chair	CSoNet	2023	Conference
7.	Session Chair	7th International Joint Conference on Computing Sciences	2023	Conference
8.	Session Chair	Third International Conference on Secure Cyber Computing and Communications	2023	Conference



Short Term Course on Internet of Things with Hands on Experience





ATAL Online 6-Day Faculty Development Programme

DISTRIBUTED COMPUTING and LEARNING lab
INDRAPRASTHA INSTITUTE of INFORMATION TECHNOLOGY DELHI

Distributed ML: Big Model

• Model Parallelism: Compute $f(x_{j,t}^i, B_{j,t}^i)$ -- the forward pass, and $\nabla f(x_{j,t}^i, B_{j,t}^i)$ -- the backward pass using multiple workers/nodes/GPUs in a pipeline parallel approach.

Handwritten notes: $x_{[1:n]}^i$, $x_{[i:n]}^i$, $x_{[i:n]}^i$, $x_{[i:n]}^i$

Pipeline Stages:

- Pipeline Stage 0: Network Layers 0-7
- Pipeline Stage 1: Network Layers 8-15
- Pipeline Stage 2: Network Layers 16-23
- Pipeline Stage 3: Network Layers 24-31



Five Days Workshop on “Topics in Generative AI”





Dr. Karan Verma

Associate Professor

Room No - 217

Society Member

Senior IEEE Member, Senior IETF, ICANN, APNIC, ITU, ISIF ASIA, ISOC



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Research interests include:

- Ubiquitous Computing
- Vehicular Ad-hoc Networks (VANETs)
- Internet of Things (IoT)
- Machine Learning
- Deep Learning
- Cybersecurity
- Wireless Sensor Networks
- Mobile Ad-hoc Networks (MANETs)
- Cloud & Fog Computing
- Federated Learning
- 6G, IPv6, Next Generation Networks
- Satellite Communication
- Space
- D2D Communication

International & National Journals (Overall)	31
International Conferences (Overall)	35
National Conferences (Overall)	10
Book Chapters (Overall)	8
Books (Overall)	5
Patents (Overall)	1+4*
PhD Students Guided (Overall)	4+1+6
M. Tech Students Guided (Overall)	30+5
B. Tech Students Guided (Overall)	50+7

Citations / H - Index

745 CITATIONS	10 H-INDEX	411 CROSSREF
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Google Scholar

CITATION		H INDEX		I-10 INDEX	
2917 Total	1831 (2020)	25 Total	17 (2020)	62 Total	37 (2020)



Research Activities

Parameters	Conducted/ Attended
Workshops	7
Faculty Development Program	3
Short Term Courses	3
Guest Lecture	2
International Conferences	1
Training Program	1
Expert Talk	1

Sponsored Projects-Granted

S. No.	Investigator(s)	Funding Agency	Title of the project and duration	Funding Received (Rs)
1.	Dr. Karan Verma, Dr.Abderrezak Rachhedi	DST-INRIA-CNRS	Agile Modeling of SMART CITY – "A fusion of IoT and Big Data" Start Date: January, 2017. End Date: January, 2020.	35, 00, 000/- (Completed)
2.	Dr. Karan Verma, Prof. Ronni Gamzu	INDO-MOST (India-Israel)	Big Data Management in VANET Start Date: February, 2018. End Date: February, 2020.	28, 00, 00 / - (Completed)
3.	Dr. Sachin Singh, Dr. Karan Verma, Prof. Dr. Thomas Penzel,	INDIAN-DAAD	Development of Non-contact type method for heart vibration parameters estimation for sleep disordered breathing analysis Start Date: 2019. End Date: 2022.	30, 00, 00 / - (Completed)
4.	Tunisha Varshney, Dr. Karan Verma	TEQIP-III (NPIU)	Secure Healthcare surveillance using smart IoT devices Start Date: 2019. End Date: 2021.	11, 00, 000 / - (Completed)
5.	Mohit Sajwan, Dr. Karan Verma	TEQIP-III (NPIU)	Border Surveillance system using wireless sensor networks Start Date: 2019. End Date: 2021.	9, 00, 000/ (Completed)
6.	Dr. Karan Verma, Prof. Rao Vemuri	IUSSTF	Open-source unmanned aerial vehicle simulation Start Date: 2013. End Date: 2025.	21, 00,000 /- (Completed)
7.	Dr. Karan Verma	DST(MATRICS)	Optimizing LoRa Spreading Factor Scheduling through Incentive Mechanisms Start Date: 2021. End Date: 2027.	10, 00, 000 / - (Ongoing)
8.	Prof. Geeta Sikka, Prof. Ajay K Sharma, Dr. Anurag Singh, Dr. Karan Verma	DST(FIST)	High Performance Computing Start Date: 2023. End Date: 2028.	118,00,000/- (Ongoing)
9.	Dr. Karan Verma, Dr. Gyanendra Sheoran	DST (EEQ)	Development of a system for the early diagnosis of heart diseases based on deep learning models using ECG signal processing Start Date: Jan., 2025. End Date: January, 2027.	35, 77, 430/- (Completed)

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1.	Conference Secretary	5th International Conference on Optical and Wireless Technologies (OWT)	2021	Conferences
2.	Conference Secretary	International Conference on Secure Cyber Computing and Communications (ICSCCC)	2023	Conferences
3.	Supervisor	ADHOC (ELSEVIER) 2022 Best Journal Paper Award	2022	Best Journal Paper Award
4.	Fellow (USA Washington D.C, Italy)	DST International Travel Support (ITS)	2022, 2025	Conferences
5.	Fellow (Germany)	DAAD – IIT/UGC Exchange Faculty Fellowship Program	2019, 2021	Bilateral Exchange Academics
6.	Fellow (Landon)	IETF - Fellowship	2020, 2021	IRTF
7.	ICANN (USA)	ICANN - Fellowship	2023	ICANN
8.	Organizer	Vritika, Serb(DST)	2023, 2024	Training and Skill Internship
9.	Organizer	GIAN-25 Course	2025	Training and Skill Program
10.	Organizer	Established Center of Excellence	2024	PHN Technology Pvt. Ltd
11.	Organizer	Credentialing Ceremony	2024	MathWorks



Event – MATLAB for Teaching & Learning (NIT Delhi)



MATLAB® for Teaching & Learning National Institute of Technology Delhi

Hands-on Event | ECE & CSE

What is this about?

This three-day workshop is designed to enhance the use of MATLAB in teaching and research within the Computer Science and Engineering (CSE) and Electrical and Computer Engineering (ECE) departments.

The event will cover a range of topics from introductory concepts to advanced machine learning and deep learning techniques, including practical hands-on demonstrations.

Agenda:

- | | |
|--------------|---|
| Day 1 | <ul style="list-style-type: none">• Introduction to MATLAB• Teaching with MATLAB• Resources for researchers and faculties |
| Day 2 | <ul style="list-style-type: none">• Machine Learning with MATLAB• Hands-on demo for fitting ML models.• Deep Learning with MATLAB• Hands-on demo for fitting DL models. |
| Day 3 | <ul style="list-style-type: none">• Running multiple ML experiments in MATLAB• Interoperability with other software.• Hands-on demo for interoperability.• Resources and Q&A |

For more information, contact:
Divya Anand
Manager- Sales DesignTech Systems Pvt Ltd
+91 – 9718471481
divya.anand@designtechsys.com

Speakers:



Dr. Varun Srivastava
Technical Team
DesignTech Systems



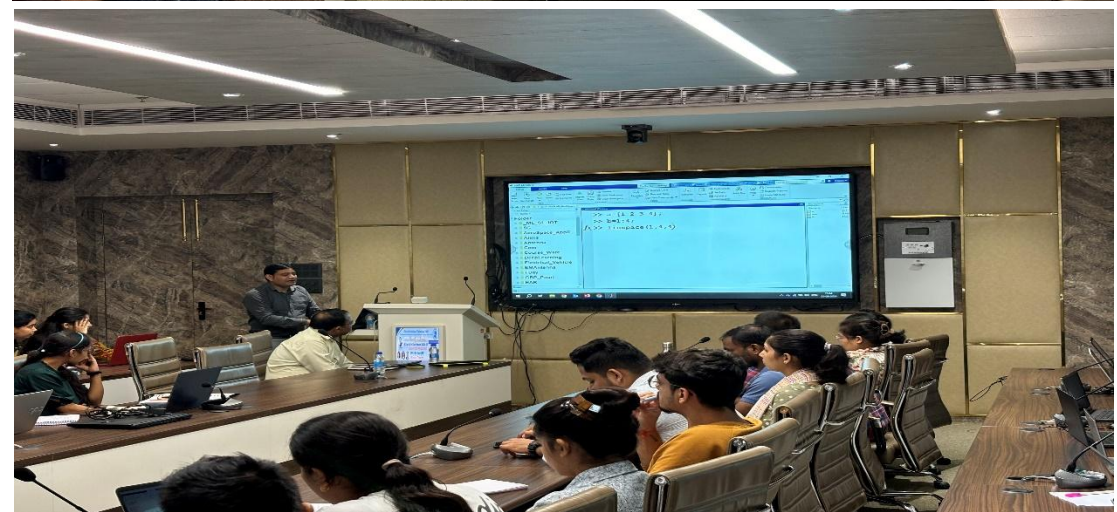
Manoj Kumar
Asst. Manager –
Technical Team
DesignTech Systems



Pratyush Roy
Customer Success
Engineer
MathWorks - Education
Team

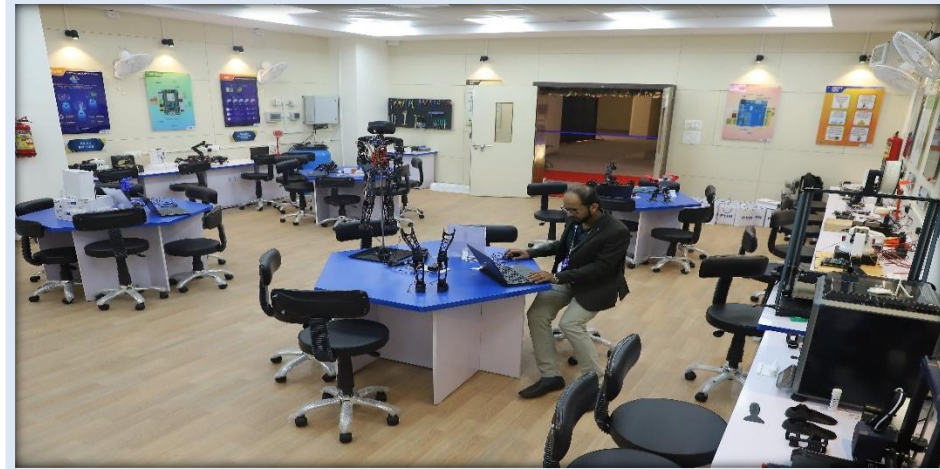


Scan or
click this
[link](#) to
register!





Event – Centre of Excellence (NIT Delhi)





Event



भारतीय प्रौद्योगिकी संस्थान रुड़की
Indian Institute of Technology Roorkee



MALAVIYA MISSION
TEACHER
TRAINING PROGRAMME



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION
Government of India

Nurturing Future Leadership Programme (NFLP)

6th - 10th January, 2025
Indian Institute of Technology Roorkee



Left to Right (Sitting) Dr. Naveet Kaur, Mr. Prem Prakash Nagda, Dr. Jignesh S. Bhatt, Dr. Arun Kumar Poonia, Dr. Geeta Rana, Dr. O.S.K. Subramanya Sastry, Dr. Chhaya Shukla, Dr. Kamal Kishore Pant (Director, IIT Roorkee), Dr. Pranjal Chandra, Dr. Sanjay M. Jachak, Dr. Bhoopesh Singh Bhati, Dr. Wakar Ahmad, Dr. Deepak Pant, Dr. Laxmi Negi

Left to Right (Standing) Dr. Pritam Singh Negi, Dr. Sampath Kumar Pasupunuri, Dr. Swapnil Ashok Lokhande, Dr. Pandiyarasan Veluswamy, Dr. Rohini Palanisamy, Mr. Shailendra Kumar Singh, Dr. T. Senthil, Dr. Akhilesh Mathur, Dr. Satish Sharma, Dr. Suraj P. Khanna, Dr. Karan Verma, Dr. Akshay Dvivedi (Dean-SRIC, IIT Roorkee), Dr. Brahmanand Mishra, Dr. Meenakshi Rawat (ADoAA-ITS&A, IIT Roorkee), Dr. Shreyas Kumar, Dr. Naveen K. Navani (DoAA, IIT Roorkee), Dr. Swapnil Shashikant Patil, Dr. Alok Sagar Gautam, Dr. Mahendra Singh Negi, Dr. Juhi Kalra, Dr. Gopabandhu Jena



Dr. Munesh Singh

Designation: Associate Professor

Room No: 215

Society Member:

IEEE Senior Member



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Web-Page:

<https://nitdelhi.irins.org/profile/93963>

Research interests include:

- IoT (6LoWPAN security)
- Software-defined networking
- Sensor Networks
- Embedded System
- Wireless Network
- Data-analytics and Machine Learning
- Robotics
- Network Security
- Hardware Security

Highlights:

- Most Productive Young IP Achiever award
- Best Paper Award

International & National Journals (Overall)	23
International Conferences (Overall)	10
National Conferences (Overall)	0
Book Chapters (Overall)	4
Books (Overall)	1
Patents (Overall)	4
PhD Students Guided (Overall)	4
M. Tech Students Guided (Overall)	5
B. Tech Students Guided (Overall)	40+

Publications

20 Journal Articles | 2 Book Chapter | 10 Conference Proceedings | 1 Book | 1 Open Access | 15 Patents

Citations / H-Index

315 CITATIONS

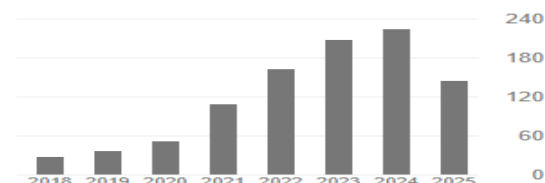
12 H-INDEX

594 CITATIONS

Cited by

[VIEW ALL](#)

	All	Since 2020
Citations	1014	905
h-index	18	16
i10-index	23	22





Research Activities

Parameters	Conducted/ Attended
Workshops	3
Faculty Development Program	5
Short Term Courses	1
Guest Lecture	0
International Conferences	0
Training Program	1
Expert Talk	50+

Sponsored Projects-Granted

S. No.	Investigator(s)	Funding Agency	Title of the project and duration	Funding Received (Rs)
1.	Co-PI : Dr.Munesh Singh	Data Security Council of India	A Lightweight Hardware Logic Locking based Data Encryption Model for Securing IoT Devices from hardware and cyber-attacks Start Date: March 16, 2023. End Date: December 31, 2024.	650000/ (Completed)
2.	Co-PI: Dr. Munesh Singh	Soulmaitri Organics (OPC) Private Limited, Raipur,	Design And Fabrication of Smart Hybrid IOT-Based Solar Dryer for Food Items Start Date: March 16, 2023. End Date: December 31, 2024.	600000/ Completed
3.	PI: Dr. Munesh Singh	TiHAN IIT Hyderabad NMICPS Technology Innovation Hub DST	UAV-assisted Wi-Fi Geofencing for UAV Tracking and Activity Monitoring in Restricted Perimeter Start Date: May 16, 2022. End Date: Oct 31, 2024.	1570000/ Completed
4.	PI: Dr. Munesh Singh	DST SEED	Development of Fresh Water Pearl Culture Unit Based on IoT-Data Analytics Start Date: Feb, 28 2020. End Date: Feb 28, 2023.	1750000/ Completed

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1.	Chair	Chaired a Session in second International Conference on Advances in Distributed Computing and Machine Learning (ICADCML-2021)	2021	Conferences
2.	Coordinator	Faculty Development Program	2020-2023	6 FDP
3.	Invited Talks	Faculty Development Program	2020-2025	50+ Talks
4.	Chair	Chaired a Session in 4 th Conference on Information and Communication Technology 2020 (IEEE CICT) 2020 Conference	2020	Conference



Faculty Development Program

Faculty Development Program (FDP)
on
From Data to Decisions: Machine Learning and IoT Applications in Healthcare and Agri-Tech

organized by
Electronics and ICT Academy, NIT Warangal

in association with
Department of Computer Science & Engineering, NIT Delhi

sponsored by
Ministry of Electronics and Information Technology (MeitY), GoI

Date : 7th July - 17th July, 2025

CHIEF PATRONS

Prof. (Dr.) Ajay K Sharma
Director
NIT Delhi

Prof. Bidyadhar Subudhi
Director
NIT Warangal

CONVENERS

Prof. (Dr.) Geeta Sikka
Professor and Dean Academics
NIT Delhi

Prof. P. Suresh Babu
E & ICT Academy, Chief Investigator
NIT Warangal

SPEAKERS

Prof. Mihir K. Gupta
Director
Centre for AI/ML Research
Bharat Electronics Ltd.

Prof. M. P. Singh
Professor Dept. of CSE
NIT Patna

Prof. Anshu G. Bagal
Professor Dept. of CSE
University of Hyderabad, Hyderabad

Dr. Suresh Chandra Banerjee
Post-Doc Researcher
CSE, Uppsala University, Sweden

Dr. Raja Reddy
Postdoctoral Researcher
University of Saskatchewan, Canada

Dr. Hemant K. Aggarwal
Staff AI Scientist
GE Healthcare

Dr. Shashank Singh
Assistant Professor
IIT Patna

Dr. Sangam Yadav
Assistant Professor
University of Delhi

Dr. Deepak Ranjan Nayak
Assistant Professor
IIT Jodhpur

Dr. Akshay Pandey
Assistant Professor
PDMIT Jodhpur

Dr. Suresh Babu
Associate Professor
NIT Warangal

Dr. Manish Singh
Associate Professor
NIT Delhi

Dr. Vinay Kumar
Associate Professor
NIT Jodhpur

Dr. Sakshi Singh
Assistant Professor
NIT Warangal

Dr. Gautam Kumar
Assistant Professor
NIT Delhi

Dr. Yamini Singh
Assistant Professor
IIT Jodhpur

Dr. Sanjay Panda
Assistant Professor
NIT Warangal

Dr. Ram Prasad Padhy
Assistant Professor
IIT Warangal

Dr. Ashish Ranjan
Assistant Professor
C.S. Jodhpur University

Coordinators: Dr. Gautam Kumar, Assistant Professor (CSE) NIT Delhi | Dr. Munesh Singh, Associate Professor (CSE) NIT Delhi | Dr. Sanjaya Kumar Panda, Assistant Professor (CSE) NIT Warangal





Dr. Amandeep Kaur

Designation: Assistant Professor
 Room No: 226
 Society Member
 IEEE Member



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Web-Page:

<https://nitdelhi.irins.org/profile/392561>

Research interests include:

- Fog Computing
- Cloud Computing
- Internet of Things
- Data Analytics
- Smart Disaster Management

International & National Journals (Overall)	9
International Conferences (Overall)	9
National Conferences (Overall)	2
Book Chapters (Overall)	3
Books (Overall)	0
Patents (Overall)	0
PhD Students Guided (Overall)	3 (Ongoing)
M. Tech Students Guided (Overall)	9
B. Tech Students Guided (Overall)	12

Citations / H - Index

274 CITATIONS	8 H-INDEX	CROSSREF
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Google Scholar

CITATION		H INDEX		I-10 INDEX	
274 Total	269 (2020)	8 Total	8 (2020)	8 Total	8 (2020)



Research Activities

Parameters	Conducted/ Attended
Workshops	0
Faculty Development Program	0
Short Term Courses	2
Guest Lecture	1
International Conferences	1
Training Program	0
Expert Talk	1

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1.	Expert Lecture	Artificial Intelligence-driven Data Analytics for Business Research and Teaching	2024	Faculty Development Programme
2.	Expert Lecture	Decoding Business Insights: AI, Analytics and Research Synergies	2025	Short Term Course
3.	Session Chair	International Conference on AI-driven Human-centric Solutions and Sustainable Transformations (AI-HCSST 2025)	2025	Conference
4.	Reviewer	International Conference on AI-driven Human-centric Solutions and Sustainable Transformations (AI-HCSST 2025)	2025	Conference
5.	Reviewer	International Conference on Integrated Circuits, Communication and Computing Systems (ICIC3S 2024)	2024	Conference
6.	Session Chair	Ist International Conference on Pioneering developments in Computer Science & Digital Technologies (IC2SDT 2024)	2024	Conference



Short Term Course on “Evolving AI”

ABOUT NIT DELHI

National Institute of Technology Delhi (NITD) is one of the thirty-one NIT (s) established in the year 2010 by an act of parliament and has been declared as an Institute of National importance. NIT Delhi is an autonomous Institute which functions under the aegis of Ministry of Human Resource Development, Government of India. It aims to provide instructions and research facilities in various disciplines of Engineering, Science and Technology, for advanced learning and dissemination of knowledge. At present, in addition to research, consultancy and developmental activities, the Institute offers UG and PG (M. Tech. & Ph.D.) level courses to more than 1000 students in almost all leading fields of engineering & technology.

ABOUT MANIPAL UNIVERSITY JAIPUR

Manipal University Jaipur (MUJ) was launched in 2011 on an invitation from the Government of Rajasthan, as a self-financed State University. MUJ has redefined academic excellence in the region, with the Manipal way of learning; one that inspires students of all disciplines to learn and innovate through hands on practical experience. The multi-disciplinary university offers career-oriented courses at all levels, i.e., UG, PG and doctoral and across diverse streams, including Engineering, Architecture, Planning, Fashion Design, Interior Design, Fine Arts, Hospitality, Humanities, Journalism and Mass Communication, Basic Sciences, Law, Commerce, Computer Applications, Management, etc. Some PG programs are also available in the research mode. advancements in these domains.

OBJECTIVE OF THE COURSE

The objective of this Short-Term Course (STC) is to provide a comprehensive overview of the recent developments in the domain of Artificial Intelligence. Through this STC participants will get in-depth knowledge of Machine Learning and Deep Learning, Explainable AI, Generative AI, Responsible AI, Large Language Model (LLM), Federated Learning and various applications of AI including healthcare, supply chain etc. The course also introduces the basics of LaTeX briefly for article writing. The technical program will include state-of-the-art seminars, discussion/presentation sessions, signifying the research challenges, insights, and practical learning through hands-on sessions on the aforementioned research areas from experts.

TOPICS TO BE COVERED

- Fundamentals of Machine Learning and Artificial Intelligence
- Basics of Deep Learning and its applications
- Explainable AI
- Generative AI
- Responsible AI
- AI and its application to digital Healthcare
- The role of AI in supply chain management
- The Large Language Model (LLM) and its applications
- Federated Learning
- Introduction to LaTeX, Beamer, with hands-on exercise on article preparation

Short Term Course in Online Mode on

“Evolving Artificial Intelligence” From 28th May – 1st June, 2024



Organized by:

Department of Computer Science & Engineering
National Institute of Technology Delhi

In collaboration with

Department of IoT & IS, School of Computing and
Intelligent Systems
Manipal University Jaipur





Dr. Gautam Kumar

Designation: Assistant Professor

Room No: C-221

Society Member

IEEE Member (Member Number: 93359073)

ACM India (Member Number: 1110693)



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<https://nitdelhi.irins.org/profile/392564>

Personal:

<https://sites.google.com/nitdelhi.ac.in/gautamkumar/home>

Research interests include:

- Image Processing and Computer Vision
- Machine Learning and Robotics
- Healthcare and Agriculture

International & National Journals (Overall)	10
International Conferences (Overall)	12
National Conferences (Overall)	00
Book Chapters (Overall)	03
Books (Overall)	01
Patents (Overall)	04
PhD Students Guided (Overall)	07
M. Tech Students Guided (Overall)	17
B. Tech Students Guided (Overall)	27

Citations / H - Index

92
CITATIONS

05
H-INDEX

04
CROSSREF

Google Scholar

CITATION

H INDEX

I-10 INDEX

92
Total

76
(2020)

05
Total

05
(2020)

04
Total

04
(2020)



Research Activities

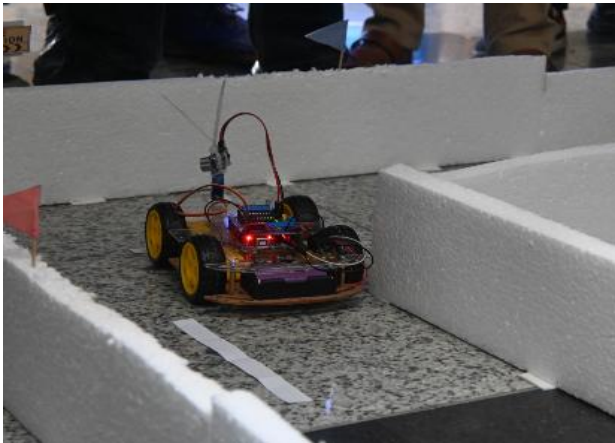
Parameters	Conducted/ Attended
Workshops	01
Faculty Development Program	02
Short Term Courses	02
Guest Lecture	00
International Conferences	03
Training Program	03
Expert Talk	07

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1.	Secretary	IEEE International Conference on Pioneering Developments in Computer Science & Digital Technologies	2025	International Conferences
2.	Convenor	IEEE International Conference on Pioneering Developments in Computer Science & Digital Technologies	2024	International Conferences
3.	Track Chair and Co-chair of Publication Committee	IEEE International Conference on Technology, Engineering, Management for Societal Impact using Marketing, Entrepreneurship, and Talent (TEMSMET)	2025	International Conferences
4.	Coordinator	Faculty Development Program on “From Data to Decisions: Machine Learning and IoT Applications in Healthcare and Agri-Tech”	2025	FDP
5.	Coordinator	Faculty Development Program on “Innovations in Forensic Science: The Role of ML, DL, and Biometrics in Cybersecurity”	2025	FDP
6.	Coordinator	Evolving Artificial Intelligence	2024	STC
7.	Coordinator	Robotics and AI: Shaping the Future of Industrial Automation	2024	Workshop
8.	Coordinator	Artificial Intelligence and its application to Smart Systems	2023	STC



Technical Events





Dr. Gunjan

Designation: Assistant Professor
Room No:223



Email: gunjan.rehani@gmail.com,
gunjan.rehani@nitdelhi.ac.in

Research interests include:

- **Wireless Sensor Networks**
- **Energy-Efficient Protocols**
- **Multi-objective Optimization**
- **Internet of Things (IoT)**
- **Meta-heuristic Algorithms**
- **Smart Cities and Healthcare Applications**

International & National Journals (Overall)				10	
International Conferences (Overall)				12	
National Conferences (Overall)				0	
Book Chapters (Overall)				3	
Books (Overall)				1	
Patents (Overall)				2	
PhD Students Guided (Overall)				5 (ongoing)	
M. Tech Students Guided (Overall)				11	
B. Tech Students Guided (Overall)				16	
Citations / H - Index					
107 CITATIONS		5 H-INDEX		107 CROSSREF	
Google Scholar					
CITATION		H INDEX		I-10 INDEX	
107 Total	107 (2020)	5 Total	5 (2020)	4 Total	4 (2020)

Sponsored Projects-Granted

S. No.	Investigator(s)	Funding Agency	Title of the project and duration	Funding Received (Rs)	Coordinator
1.	Dr. Gunjan	Science and Engineering Research Board (a statutory body of the Department of Science & Technology, Government of India)	Optimization Techniques in IoT-enabled Wireless Sensor Networks (Research Grant)	Rs. 1,50,000/- (Rupees One lakh fifty Thousand Rupees only)	Dr Gunjan

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1.	Member	Faculty Development Program	2023	FDP
2.	Chair	International Conferences on Advanced Computing and Information Science (ICACIS-2023)	2023	Advanced Computing
3.	Speaker	FDP on Emerging Optimization Techniques for Eng & Real-world Applications	2024	FDP
4.	Speaker	Five Days Amity Faculty Development Program on Advances of Computing Technology (A-FACT)	2024	Computing Technology



Research Internship (RI): Optimization Techniques in IoT-enabled Wireless Sensor Networks



Inviting applications for training and skill internship scheme for 2023 on

Optimization techniques in IoT enabled Wireless Sensor Networks

Duration: 4 weeks
4/03/2024-30/03/2024

Sponsored by : DST-SERB - Accelerate Vigyan- Training and Skill Internship (Vritika)
File Number: AV/VRI/2023/0225

Venue: NIT Delhi
Mode: Offline (in-person)

About NIT Delhi

National Institute of Technology Delhi (NITD) is one of the thirty one NITs established in the year 2010 by an act of the parliament and has been declared as an Institute of National importance. NIT Delhi is an autonomous Institute, which functions under the aegis of the Ministry of Education, Government of India. NIT Delhi is ranked 51 by NIRF 2023 in Engineering category.

About Vritika

'Vritika' is a program from Science and Engineering Research Board (SERB) to groom students (primarily from Universities, Colleges, Private Academic Institutions, and newly established institutes) in their scientific career pursuits by developing dedicated research skills in selected areas/discipline/field of Science and Engineering through Training and Skill Internship. This program would facilitate the young talent to chose a career path in Science and technology, at a later stage. The program is meant to support regular PG and UG 4th-year level students who are having a strong orientation towards scientific and engineering research and are pursuing their degree University/ Institution within India (primarily from universities, colleges, private academic institutions) in the field of Science and Engineering and having an interest in scientific research.)

Objectives

- To provide a systematic review of MOO techniques in WSNs.
- Performance comparison of existing MOO algorithms in IoT enabled WSNs.
- Developing energy efficient algorithms for IoT enabled WSN using MOO techniques.
- To provide hands on training to the participants on MOO techniques in IoT enabled wireless sensor networks.

Interns Eligibility Criteria

- Students pursuing their regular Masters (PG) degree in relevant branches of engineering(ECE/EEE/CSE/ICT/AI/ML/IoT/Any other relevant field) or in the final year pf their regular bachelors(UG) degree)in relevant branches of engineering(ECE/EEE/CSE/ICT/AI/ML/IoT)
- The interns should have basic understanding of programming language, preferably any of the C/C++/MATLAB/Python.
- The applicant must produce a recommendation letter from their supervisor/head of the department and "No Objection Certificate" for participation in the internship, if selected.

Registration Details and Selection Process

Registration link: <https://forms.gle/qHjImU63hf54BNbz7>

- There is **NO REGISTRATION FEE** for the participants.
- The program is limited to 05 students only.
- Please fill the google form, by **Friday 1st March 2024**.
- Selection of eligible PG and UG students will be done based on the recommendation of the duly constituted Selection Committee of th institute.
- Selection of interns are based on the sole discretion of the selection and recommendation from the selection committee is final.
- Only selected candidates will be informed by email.
- The selected candidates will have to acknowledge and accept the o participating through email within 24 hrs, failing which the waitlister may be called.

Nature of support and other terms & conditions

- The supervisors to whom the interns are assigned would be assigning them tasks as per the research modules designed.
- The intern should work accordingly and prepare a work report to be submitted after completion of the internship.
- Interns not completing the work within the requisite period will not be issued any certificate.
- The IPR of the research work will be reserved by the institute which cannot be used by the intern without permission of the concerned authority.
- Hostel accommodation with catering facilities and travel by train will be provided to the candidates.
- No stipend will be provided for the internship.

Patron:
PROF. (DR.) AJAY K SHARMA
DIRECTOR, NIT DELHI

Convenor:
Prof. Geeta Sikka
HOD CSE, NIT DELHI

Coordinator/Event Organizer:
Dr. Gunjan
Assistant Professor,
Department of Computer Science & Engineering (CSE)
National Institute of Technology (NIT) Delhi, 110036
Ph::+91-9911220546 | Email: gunjan.rehani@nitdelhi.ac.in





Short Term Course (STC) in Hybrid Mode on “Artificial Intelligence and its Application to Smart Systems” during 20th-24th December 2023.

Coordinators: Dr Gunjan, Dr Gautam Kumar

 **राष्ट्रीय प्रौद्योगिकी संस्थान, दिल्ली**
NATIONAL INSTITUTE OF TECHNOLOGY DELHI
(An autonomous institute under the aegis of Ministry of Education, Govt. of India)

Department of Computer Science and Engineering
BRINGS A SHORT TERM COURSE IN HYBRID MODE ON

“ARTIFICIAL INTELLIGENCE AND ITS APPLICATION TO SMART SYSTEMS”
FROM 20TH DECEMBER – 24TH DECEMBER 2023

PATRON


Prof. (Dr.) Ajay K. Sharma
Director, NIT Delhi

COORDINATORS

Prof. (Dr.) Geeta Sikka
Professor, Department of CSE, NIT Delhi

Dr. Gautam Kumar
Assistant Professor, Department of CSE, NIT Delhi

Dr. Gunjan
Assistant Professor, Department of CSE, NIT Delhi

EXPERTS


Prof. Deepak K. Jain
Research Scientist
Indian Institute of Technology, Delhi


Prof. Dinesh K. Vishwakarma
Professor and Head, IIT
Bharati Technology University


Dr. Sambit Bakshi
Assistant Professor
IIT Hyderabad


Mr. Abhinav Bhattacharyya
Consultant
Dr. Scientist of IIS Bangalore


Dr. Nishant Kumar
Assistant Professor
IIT Bombay


Prof. T. V. Vijay Kumar
Professor
IISc Bangalore


Dr. Sandeep Kumar Sood
Associate Professor
IIT Kanpur


Dr. Nandita Sharma
Associate Professor
IISc Bangalore





Five-day Short-Term Course in Hybrid mode on "Designing the Future of Networks: Conceptualizing VANET, IoT, UAN, and 5G with NETSIM"

from 26th Feb to 1st March 2024.

Coordinators: Dr. Gunjan, Dr. Divya Punia, Dr. Jaspinder Kaur

ABOUT THE INSTITUTE

National Institute of Technology Delhi (NITD) is one of the thirty-one NIT (s) established in the year 2010 by an act of parliament and has been declared as an Institute of National importance. NIT Delhi is an autonomous Institute which functions under the aegis of Ministry of Education, Government of India. It aims to provide instructions and research facilities in various disciplines of Engineering, Science and Technology, for advanced learning and dissemination of knowledge. At present, in addition to research, consultancy and developmental activities, the Institute offers UG and PG (M. Tech. & Ph.D.) level courses to more than 1000 students in almost all leading fields of engineering & technology.

ABOUT THE DEPARTMENT

The Computer Science and Engineering Department is a blend of teaching and research activities pertaining to advanced fields of engineering. The Department started in 2010 with the intake of 30 which presently has increased to 120. In the year 2023, the department has introduced a new program for B. Tech in Artificial Intelligence and Data Science with an intake of 27 students. Besides two M. Tech programmes in CSE and CSE (Analytics), the Department offers Ph.D. programs in various crucial areas, promoting advanced research and scholarly pursuits. The research facilities

OBJECTIVE OF THE COURSE

The objective of this Short Term Course (STC) is to provide a comprehensive overview of the development of Designing the Future of Networks: Mastering VANETs, IoT, UAN and 5G with NetSim. Through this STC participants will get in-depth knowledge of VANETs, 5G, Wireless area Networks, UAN, and their applications, IoT (Internet of Things) devices, its applications. The technical program will include state-of-the-art seminars, discussion/presentation sessions, signifying the research challenges, insights, and practical learning through hands-on sessions on the aforementioned research areas from experts.

TOPICS TO BE COVERED

- Introduction to VANET Simulation.
- Fundamentals of Dynamic Traffic Light control in NetSim VANETs.
- Introduction to IoT-WSN.
- Designing and Configuring IoT-WSN Topologies in NetSim
- Introduction to 5G Technology
- 5G in Machine Learning with NetSim and 5G UAN simulation.
- Introduction to Underwater Acoustic Networks and layers of UAN.

One Week Short Term Course

in Hybrid Mode on

"Designing the Future of Networks: Conceptualizing VANETs, IoT, UAN, and 5G with NetSim"

From 23rd February - 27th February, 2024



Organized by
Department of
Computer Science & Engineering
National Institute of Technology Delhi



LIST OF EXPERTS

Mr. Vishal Bhat

Sr. Application Engineer at NetSim with over 6 years of experience. Expertise in the areas of Internet of Things (IoT), Underwater Acoustic Networks (UAN), 5G, and Wi-Fi, and CPS. He has extensive experience in using NetSim software for modeling, simulation, and programming projects in these domains. He is passionate about helping others leverage NetSim to solve complex network engineering challenges.

Mr. Nitin Yerra

Mr. Nitin has 2+ years of experience at TETCOS LLP, Bangalore and is currently working as an Application Engineer. He has played a pivotal role in conducting various events such as Hackathons, SDPs, Workshops, Trainings for different institutions. Area of Expertise: IoT and Vehicular Ad-hoc Networks and SUMO-Integration with NetSim.

Eligibility:

Faculties of various Universities/Institutions, Industry Personals, Scientists and Engineers from research and development organizations, UG, PG, and Ph.D scholars can apply for this course. The interested persons need to apply online through Google forms.

ORGANIZING COMMITTEE

Patron:

Prof. (Dr.) Ajay Kumar Sharma, Director, NIT Delhi

Convener:

Prof. (Dr.) Geeta Sikka, Professor, Department of CSE, NIT Delhi

Coordinators:

Dr. Gunjan, Assistant Professor, Department of CSE, NIT Delhi
Dr. Divya Punia, Postdoctoral Research Fellow, Department of ECE, NIT Delhi
Dr. Jaspinder Kaur, Postdoctoral Research Fellow, Department of ECE, NIT Delhi

Committee Members:

Dr. Anurag Singh, Associate Professor, Dept of CSE, NIT Delhi
Dr. Shelly Sachdeva, Associate Professor, Dept of CSE, NIT Delhi
Dr. Karan Verma, Assistant Professor, Department of CSE, NIT Delhi
Dr. Gautam Kumar, Assistant Professor, Department of CSE, NIT Delhi
Dr. Amandeep Kaur, Assistant Professor, Department of CSE, NIT Delhi
Dr. Sahil, Assistant Professor, Department of CSE, NIT Delhi

REGISTRATION DETAILS

Participants	Early Bird (in INR)	Late Fee (in INR)
UG/PG/PhD Student	300 (for NIT Delhi students) 500 (outside students)	500
Academia	1000	1200
Industry Personals	1200	1500

How to apply:

For the registration, please fill the Google form. The link for the Google form is given below:

Registration (till 22 February 2024):

Registration Link

<https://forms.gle/zzAp2EHR2Cm9URXD8>



The candidates can deposit the registration fee online in the account details given below:





Dr. Sahil

Assistant Professor, DoCSE
 Room No. 13A, GF, Admin Block
 Society Member
 IEEE Member



Email:

sahil.neelam@nitdelhi.ac.in

Web-Page:

<https://nitdelhi.irins.org/profile/392775>

Research interests include:

- Edge Intelligence
- Data Analytics
- Machine Learning
- Edge Computing
- Fog Computing
- Smart Agriculture
- Intelligent Transportation Systems
- Smart Healthcare
- Bibliometrics

International & National Journals (Overall)				11	
International Conferences (Overall)				16	
National Conferences (Overall)				-	
Book Chapters (Overall)				01	
Books (Overall)				-	
Patents (Overall)				-	
PhD Students Guided (Overall)				04 (ongoing)	
M. Tech Students Guided (Overall)				14 (11 Awarded + 03 Ongoing)	
B. Tech Students Guided (Overall)				24 (08 Completed + 16 Ongoing)	
Citations / H - Index					
247 CITATIONS		09 H-INDEX		247 CROSSREF	
Google Scholar					
CITATION		H INDEX		I-10 INDEX	
344 Total	328 (2020)	10 Total	09 (2020)	10 Total	09 (2020)



Research Activities

Parameters	Conducted/ Attended
Workshops	01 (With Dr. Anurag Singh)
Faculty Development Program	-
Short Term Courses	02 (01 with Dr. Amandeep Kaur + 01 with Dr. Anurag Singh)
Guest Lecture	-
International Conferences	01 (As Convener in 1 st IC2SDT 2024)
Training Program	01 (2 Months Internship Program with Dr. Amandeep Kaur)
Expert Talk	-

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1.	Expert	in One Week Online Short-Term Course on Artificial Intelligence for Next Generation IoT Networks (DoIT, Dr. B.R.A. NIT Jalandhar)	2023	Short Term Course
2.	Resource Person	One Week Short Term Course on Internet of Things and Artificial Intelligence: Emerging Trends, Tools and Techniques (SoC, IIIT Una)	2024	Short Term Course
3.	Expert	One Week Short Term Course on Internet of Things and Artificial Intelligence: Emerging Trends, Tools and Techniques (DoM, IIITM Gwalior)	2024	Short Term Course
4.	Expert	One Week Short Term Course on Beyond Connectivity: The Evolution of Next-Gen IoT (DoCSE, NIT Delhi)	2025	Short Term Course
5.	Expert	One Week Short Term Course on Decoding Business Insights: AI, Data Analytics and Research Synergies (DoCSE, NIT Delhi and DoM, IIITM Gwalior)	2025	Short Term Course
6.	Session Chair	IEEE International Conference on Integrated Circuits, Communication and Computing Systems (SoE, IIIT Una)	2024	Conference Session Chair
7.	Session Chair	IEEE Global AI Summit 2024, Internation Conference on Artificial Intelligence and Emerging Technology (SoCSE, Bennett University)	2024	Conference Session Chair
8.	Session Chair	Internation Conference on AI-driven Human-centric Solutions and Sustainable Transformation (DoM, IIITM Gwalior)	2025	Conference Session Chair
9.	Session Chair	13 th Internation Conference on Recent Trends in Computing (DoCSE, SRMIST Ghaziabad)	2025	Conference Session Chair



DAViSE Lab Summer Internship 2025



DAViSE Lab SUMMER INTERNSHIP 2025

DAViSE Lab, Department of Computer Science and Engineering, NIT Delhi
invites applications for 2 Months Summer Internship on Data Analytics and Machine Learning (DA-ML)

About DAViSE Lab

The Data Analytics and Vision for Smart Environment (DAViSE) Lab, established in 2024, is a cutting-edge research facility focused on leveraging data analytics and advanced computing for global challenges. DAViSE Lab aims to foster sustainable, data-driven solutions for a smarter and more resilient future. The researchers at DAViSE Lab are actively contributing in Smart Environments, areas including Smart Agriculture, Smart Disaster Management, Smart Healthcare and Intelligent Transportation Systems.

Internship Highlights

- One-week Foundation Course covering core concepts of Data Analytics and Machine Learning.
- Hands-on experience on Cutting-edge DA-ML approaches on state-of-the-art GPU-accelerated workstations.
- Project and Research Development for DA-ML-based solutions for real-world problems.

Eligibility Criteria

Students from any authorized university or educational institution who meet the qualifications listed below are eligible to apply:

- Applicants must be currently enrolled in an Undergraduate or Postgraduate program.
- Applicants must have No Objection Certificate (NOC) from Parent Institute and Guardians, to work at DAViSE Lab, NIT Delhi.
- Applicants must be available full-time for the entire internship duration.

Selection Procedure

- Eligible candidates must apply via the provided QR code by filling out a Registration Form.
- Applications will be reviewed based on eligibility and submitted information.
- Shortlisted candidates will receive an invitation for an interview.
- Candidates selected after the interview must provide NOC from Parent Institute and Guardians.
- Final selection will be confirmed after complying with NIT Delhi Terms and Conditions for Internship and submission of all required documents.
(Please refer: <https://shorturl.at/AYCzG>)



Scan QR for Registration

Important Information

- **Registration Deadline:** 20 May, 2025
- **Internship Period:** 03 June - 01 August, 2025
- **Venue:** DAViSE Lab, Admin Block, NIT Delhi

Chief Patron

Prof. (Dr.) Ajay K. Sharma
Director, NIT Delhi

Convener

Prof. (Dr.) Geeta Sikka
Professor & Dean Academics, NIT Delhi

Coordinators

Dr. Sahil
Assistant Professor, DoCSE, NIT Delhi

Dr. Amandeep Kaur
Assistant Professor, DoCSE, NIT Delhi

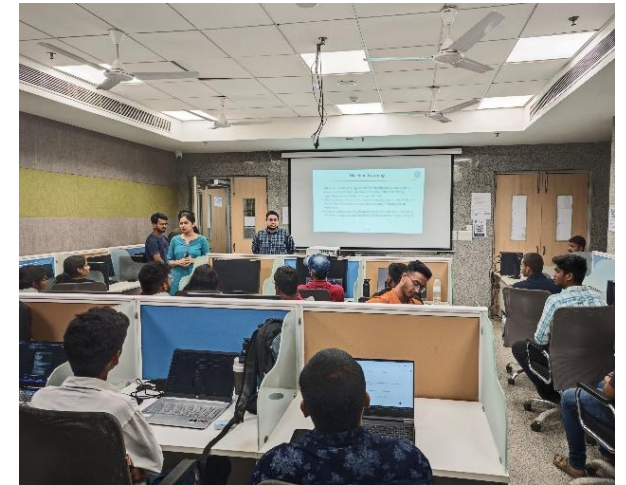
Contact Persons

Ms. Ankita Rai | +91 80098 49320
Mr. Jasmeet Singh | +91 70003 83074

✉ daviselab@nitdelhi.ac.in



<https://www.linkedin.com/company/daviselab/>





STC on Decoding Business Insights: AI, Data Analytics and Research Synergies (2025)

Department of Computer Science & Engineering, NIT Delhi
in collaboration with
Department of Management Studies, ABV-IIITM Gwalior

Organizes
One Week Short-Term Course
on

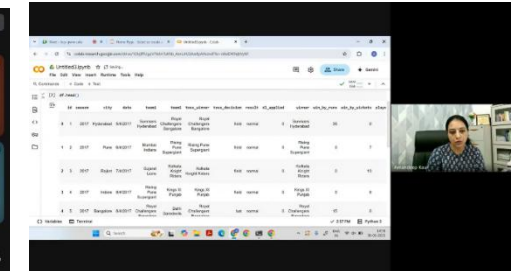
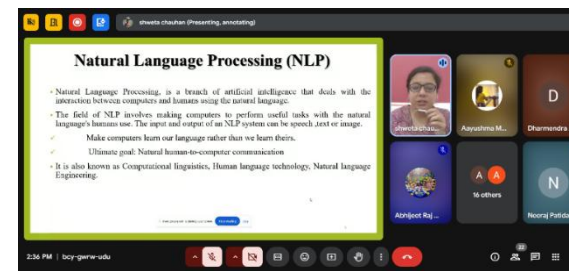
Decoding Business Insights: AI, Data Analytics And Research Synergies

CHIEF PATRONS **Date : 29th May - 4th June, 2025**

CONVENERS

SPEAKERS

Coordinators: Dr. Amandeep Kaur, Assistant Professor, DoCSE, NIT Delhi | Dr. Sahil, Assistant Professor, DoCSE, NIT Delhi | Dr. Amandeep Kaur, Assistant Professor, DoMS, ABV-IIITM Gwalior





2nd International Conference on Pioneering Developments in Computer Science and Digital Technologies



2ND IC²SDT 2025

2ND INTERNATIONAL CONFERENCE ON PIONEERING DEVELOPMENTS IN COMPUTER SCIENCE AND DIGITAL TECHNOLOGIES

04th - 06th December, 2025

Paper Submission: 30 August, 2025 (Last Date)

Organized by: Department of Computer Science and Engineering National Institute of Technology Delhi



IMPORTANT DATES

- Full paper Submission: 30 August, 2025 (Last Date)
- Acceptance Notification: 30 October, 2025 (Last Date)
- Camera Ready Manuscript: 15 November, 2025 (Last Date)
- Conference Registration: 25 November, 2025 (Last Date)
- Conference Dates: 04 - 06 December, 2025

CONFERENCE COMMITTEE

Chief Patron
Shri C. K. Birla
Chairman, Board of Governors, NIT Delhi

General Chair
Prof. (Dr.) Ajay K. Sharma
Director, National Institute of Technology Delhi

Honorary Chair
Prof. (Dr.) Binod K. Kanaujia
Professor & Dean Academics, Dept. of CSE, NIT Delhi

Conference Chair
Prof. (Dr.) Geeta Sikka
Professor & Dean Academics, Dept. of CSE, NIT Delhi

Conference Co-Chair(s)
Dr. Amandeep Kaur
Associate Professor, Department of CSE, NIT Delhi
Dr. Gautam Kumar
Assistant Professor, Department of CSE, NIT Delhi
Dr. Gunjan
Assistant Professor, Department of CSE, NIT Delhi
Dr. Sahil
Assistant Professor, Department of CSE, NIT Delhi

Conference Secretary(s)
Dr. Amandeep Kaur
Associate Professor, Department of CSE, NIT Delhi
Dr. Gautam Kumar
Assistant Professor, Department of CSE, NIT Delhi
Dr. Gunjan
Assistant Professor, Department of CSE, NIT Delhi
Dr. Sahil
Assistant Professor, Department of CSE, NIT Delhi

Conference Convenor(s)
Dr. Shelly Sachdeva
Associate Professor, Department of CSE, NIT Delhi
Dr. Sanjayveer Singh
Assistant Professor, Dept. of CSE, Dr. B. R. A. NIT Jalandhar
Dr. Rishav Singh
Assistant Professor, Department of CSE, IIT Patna
Dr. Chandra Prakash
Assistant Professor, Department of CSE, S. V. NIT Surat
Dr. Geeta Rani
Head, Dept. of IOT and Intelligent Systems, NIT Jaipur

INVITED SPEAKERS

Prof. Yogesh Singh
Vice-Chancellor, Delhi University, India

Prof. Xiao-Zhi Gao
Professor, University of Eastern, Finland

Prof. Prateek Sharma
Vice-Chancellor, DTU, India

Prof. S. Chakraborty
Professor, University of Texas, USA

Prof. Manoj Mishra
Professor, IIT Roorkee, India

CONFERENCE OVERVIEW

IC2SDT is a global platform uniting researchers, innovators and industry leaders to explore cutting-edge advancements in computer science and digital technologies. Covering AI, cybersecurity, cloud, IoT, digital transformation, and data analytics, the conference fosters collaboration, drives innovation, and empowers participants to shape the future of intelligent digital systems.

Conference Record #68218

CONFERENCE TRACKS

- Artificial Intelligence and Machine Learning**
Explores advances in AI and ML, covering learning techniques, computer vision, NLP, generative AI, and neurographic computing, not without an emphasis on development and real-world impact across industries.
- Cryptography, Cybersecurity, and Network Security**
Explores advanced cryptographic, network resilience, and AI-driven threat intelligence to secure mission-critical IT infrastructures, covering post-quantum security, blockchain, IoT, protocols, and scalable solutions for cloud, edge, and distributed systems.
- Cloud Computing, IoT, and Edge Technologies**
Explores the integration of cloud, edge, and IoT to enable scalable, real-time distributed systems, focusing on emerging solutions for performance, security, and interoperability.
- Digital Innovation, Transformation, and Applications**
Focuses on how digital technologies drive efficiency, sustainability, and innovation across industries, from smart cities and healthcare to autonomous mobility and energy, enabling real-time decision-making, automation, and secure, connected ecosystems.
- Data Analytics and Mining**
Explores emerging trends in big data analytics and mining, focusing on AI-driven techniques, real-time insights, privacy-preserving methods, and scalable architectures for intelligent, data-driven systems.

FOR MORE INFORMATION

ic2sdtnitdelhi.ac.in
https://ic2sdtnitdelhi.ac.in/



CONFERENCE COMMITTEE

Chief Patron
Shri C. K. Birla
Chairman, Board of Governors, NIT Delhi

General Chair
Prof. (Dr.) Ajay K. Sharma
Director, National Institute of Technology Delhi

Honorary Chair
Prof. (Dr.) Binod K. Kanaujia
Professor & Dean Academics, Dept. of CSE, NIT Delhi

Conference Chair
Prof. (Dr.) Geeta Sikka
Professor & Dean Academics, Dept. of CSE, NIT Delhi

Conference Co-Chair(s)
Dr. Amandeep Kaur
Associate Professor, Department of CSE, NIT Delhi
Dr. Gautam Kumar
Assistant Professor, Department of CSE, NIT Delhi
Dr. Gunjan
Assistant Professor, Department of CSE, NIT Delhi
Dr. Sahil
Assistant Professor, Department of CSE, NIT Delhi

Conference Secretary(s)
Dr. Amandeep Kaur
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Assistant Professor, Department of CSE, NIT Delhi
Dr. Gunjan
Assistant Professor, Department of CSE, NIT Delhi
Dr. Sahil
Assistant Professor, Department of CSE, NIT Delhi

Conference Convenor(s)
Dr. Shelly Sachdeva
Associate Professor, Department of CSE, NIT Delhi
Dr. Sanjayveer Singh
Assistant Professor, Dept. of CSE, Dr. B. R. A. NIT Jalandhar
Dr. Rishav Singh
Assistant Professor, Department of CSE, IIT Patna
Dr. Chandra Prakash
Assistant Professor, Department of CSE, S. V. NIT Surat
Dr. Geeta Rani
Head, Dept. of IOT and Intelligent Systems, NIT Jaipur

TECHNICAL PROGRAM COMMITTEE

Chair
Prof. Binod Kanaujia

Co-Chair
Prof. Geeta Sikka

INTERNATIONAL ADVISORY COMMITTEE
Prof. Binod K. Kanaujia
Prof. Yogesh Singh
Prof. Xiao-Zhi Gao
Prof. Prateek Sharma
Prof. S. Chakraborty
Prof. Manoj Mishra

ORGANIZING COMMITTEE

Prof. (Dr.) Geeta Sikka
Prof. Amandeep Kaur
Prof. Gautam Kumar
Prof. Gunjan
Prof. Sahil

CONFERENCE TRACKS

- Artificial Intelligence and Machine Learning**
Explores advances in AI and ML, covering learning techniques, computer vision, NLP, generative AI, and neurographic computing, not without an emphasis on development and real-world impact across industries.
- Cryptography, Cybersecurity, and Network Security**
Explores advanced cryptographic, network resilience, and AI-driven threat intelligence to secure mission-critical IT infrastructures, covering post-quantum security, blockchain, IoT, protocols, and scalable solutions for cloud, edge, and distributed systems.
- Cloud Computing, IoT, and Edge Technologies**
Explores the integration of cloud, edge, and IoT to enable scalable, real-time distributed systems, focusing on emerging solutions for performance, security, and interoperability.
- Digital Innovation, Transformation, and Applications**
Focuses on how digital technologies drive efficiency, sustainability, and innovation across industries, from smart cities and healthcare to autonomous mobility and energy, enabling real-time decision-making, automation, and secure, connected ecosystems.
- Data Analytics and Mining**
Explores emerging trends in big data analytics and mining, focusing on AI-driven techniques, real-time insights, privacy-preserving methods, and scalable architectures for intelligent, data-driven systems.

ABOUT NIT DELHI

NIT Delhi, established in 2010, is one of India's premier institutes of National importance under the Ministry of Education, Government of India. It offers cutting-edge education and research in Engineering, Science, Technology, Management, and Humanities. Ranked 45th in NIRF 2024 among over 4000 engineering colleges in India, the Institute is committed to innovation-driven learning and solving real-world societal challenges. Academic activities began at NIT Wazirpur and later moved to its 51-acre permanent campus on GT Karnal Road, Delhi. The Institute is continuing to expand its state-of-the-art campus and infrastructure, making it a promising choice for aspiring engineers.

ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering at NIT Delhi offers undergraduate, postgraduate, and doctoral programs. It has two undergraduate branches: Computer Science and Engineering (CSE) and Artificial Intelligence and Data Science (AI & DS), and postgraduate programs in CSE and CSE-Analytics. The department is committed to advancing computer science education and fostering a research-oriented environment. It encourages interdisciplinary collaboration, supports faculty and student research initiatives, and actively contributes to academic development through seminars, industry interactions, and outreach programs.

INVITED SPEAKERS

Prof. Yogesh Singh
Vice-Chancellor, Delhi University, India

Prof. Xiao-Zhi Gao
Professor, University of Eastern, Finland

Prof. Prateek Sharma
Vice-Chancellor, DTU, India

Prof. S. Chakraborty
Professor, University of Texas, USA

Prof. Manoj Mishra
Professor, IIT Roorkee, India

IMPORTANT DATES

- Full paper Submission: 30 August, 2025 (Last Date)
- Acceptance Notification: 30 October, 2025 (Last Date)
- Camera Ready Manuscript: 15 November, 2025 (Last Date)
- Conference Registration: 25 November, 2025 (Last Date)
- Conference Dates: 04 - 06 December, 2025

Paper Submission





Dr. Vipin Pal

Designation: Assistant Professor Grade-I

Room No: 208

Society Member: IEEE

IEEE Member: 92633472



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Web-Page:

<https://nitdelhi.irins.org/profile/628242>

Research interests include:

- Wireless Sensor Networks
- Internet of Things
- Data Mining
- Bioinformatics
- Intelligent Reflecting Surfaces for 5G and beyond

International & National Journals (Overall)	27
International Conferences (Overall)	32
National Conferences (Overall)	02
Book Chapters (Overall)	03
Books (Overall)	NIL
Patents (Overall)	01
PhD Students Guided (Overall)	03
M. Tech Students Guided (Overall)	08
B. Tech Students Guided (Overall)	40

Citations / H - Index

535
CITATIONS

11
H-INDEX

86
CROSSREF

Google Scholar

CITATION

H INDEX

I-10 INDEX

900
Total

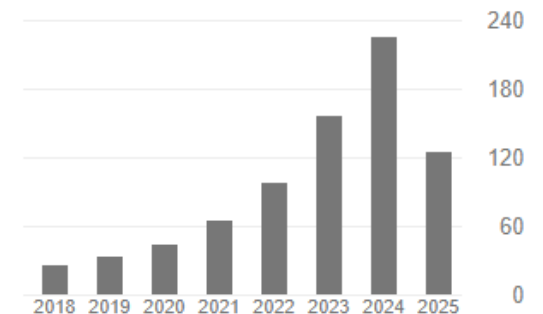
715
(2020)

16
Total

15
(2020)

30
Total

23 (2020)





Research Activities

Parameters	Conducted/ Attended
Workshops	0
Faculty Development Program	2
Short Term Courses	0
Guest Lecture	1
International Conferences	0
Training Program	0
Expert Talk	0

Sponsored Projects-Granted

S. No.	Investigator(s)	Funding Agency	Title of the project and duration	Funding Received (Rs)
1.	Vipin Pal, Soumen Moulik, S Majumdar, Yogita	Ministry of Environment, Forest & Climate Change (MoEF&CC)	Cloud-assisted Data Analytics based Real-Time Monitoring and Detection of Water Leakage in Transmission Pipelines using Wireless Sensor Network for Hilly Regions"	22,00,000/-
2.	Prof. D S Roy, Vipin Pal, A P Singh	MeiTY	A Machine Learning Framework for Deploying Mobile Edge Clouds for Real-Time Analytics on IoT Data over 5G	45,00,000/-



Dr. Ankur

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Society Member
IEEE Member



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Research interests include:

- Image Processing
- RDHAI
- Quantum Computing
- Quantum Cryptography

International & National Journals (Overall)	11
International Conferences (Overall)	03
National Conferences (Overall)	00
Book Chapters (Overall)	01
Books (Overall)	00
Patents (Overall)	02-Granted, 03-Published
PhD Students Guided (Overall)	00
M. Tech Students Guided (Overall)	03
B. Tech Students Guided (Overall)	07

Citations / H - Index					
55 CITATIONS		05 H-INDEX		12 CROSSREF	
Google Scholar					
CITATION		H INDEX		I-10 INDEX	
55 Total	55 (2020)	05 Total	05 (2020)	03 Total	03 (2020)



Dr. Gulab Sah

Designation: Assistant Professor, CSE
Room No: 209, 2nd Floor, admin Block
IEEE Member-2020



Email:

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<https://nitdelhi.irins.org/profile/296012>

Research interests include:

- Network Security
- Machine Learning
- Intrusion Detection System

International & National Journals (Overall)	4
International Conferences (Overall)	4
National Conferences (Overall)	0
Book Chapters (Overall)	0
Books (Overall)	0
Patents (Overall)	0
PhD Students Guided (Overall)	0
M. Tech Students Guided (Overall)	0
B. Tech Students Guided (Overall)	8 (2024)

Citations / H - Index

42 CITATIONS	2 H-INDEX	2 CROSSREF
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Google Scholar

CITATION		H INDEX		I-10 INDEX	
59 Total	58 (2020)	03 Total	03 (2020)	02 Total	02 (2020)



Research Activities

Parameters	Conducted/ Attended
Workshops	4 (Attended)
Faculty Development Program	5 (Attended)
Short Term Courses	0
Guest Lecture	0
International Conferences	2 (Attended)
Training Program	1 (Attended)
Expert Talk	0

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1.	Member	IEEE International Conference on Recent Advances in Computing and Systems (ReACS '25)	2025	Conferences
2.	Member	IEEE 4th International Conference on Technology, Engineering, Management for Societal impact using Marketing, Entrepreneurship and Talent (TEMSMET 2025)	2025	Conferences
3.	Member	The International Conference on Next-Generation Networks and Deployable Artificial Intelligence (NGNDAI 2025)	2025	Conferences
4.	Member	13th IEEE International Conference on Communication System and Network Technologies (CSNT 2024)	2024	Conferences



Dr. NISHA SINGH CHAUHAN

Designation: Assistant Professor

Room No: 225

Society Member: NA

IEEE Member: NA



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nishasingh@nitdelhi.ac.in

Web-Page:

<https://nisha-sc.github.io/profile/>

Research interests include:

- **Applied Deep Learning:** Explore how deep learning models like LSTM, GANs, and Transformers can solve real-world problems
- **Intelligent Transportation Systems:** Use data, AI, and simulation tools to build smarter transportation systems—ones that can adapt to traffic, weather, and user demand.
- **Traffic flow prediction:** Predicting how traffic behaves over the next few minutes to hours
- **Road Safety and Anomaly Detection:** Develop systems that detect risks like sudden braking, jaywalking, or potholes using computer vision and sensor fusion.

International & National Journals (Overall)				04	
International Conferences (Overall)				04	
National Conferences (Overall)				-	
Book Chapters (Overall)				-	
Books (Overall)				-	
Patents (Overall)				-	
PhD Students Guided (Overall)				-	
M. Tech Students Guided (Overall)				-	
B. Tech Students Guided (Overall)				-	
Citations / H - Index					
49 CITATIONS		5 H-INDEX		- CROSSREF	
Google Scholar					
CITATION		H INDEX		I-10 INDEX	
70 Total	70 (2020)	5 Total	5 (2020)	3 Total	3 (2020)

Sponsored Projects-Granted

S. No.	Investigator(s)	Funding Agency	Title of the project and duration	Funding Received (Rs)	Coordinator
1.	Co-PI from India side:	DST Indo- Taiwan Bilateral Joint Programme under Global Innovation and Technology Alliance (GITA) Scheme	High Responsivity GeSn Short Wave Infrared Phototransistors Start Date: January 04, 2016. End Date: December 31, 2019.	31, 00, 000/ (Completed)	Dr. Sahil Dr. Karan Dr. Gunjun

Research Outreach

S. No.	Role	Event Title	Year	Event Type
1.	Chair	Technology, Engineering, Management for Societal Impact using Marketing, Entrepreneurship, and Talent	2024	Conferences
2.	Member	Faculty Development Program	2023	FDP