Dr. ANAND NAYYAR

Academician, Researcher, Scientist, Innovator, Inventor, Reviewer, Orator

Official Address: Room No: 517A, 5th Floor, K7/25 Quang Trung Street, School of Computer Science, Duy Tan University, Da Nang 550000, Viet Nam

Residential Address (Viet Nam): Apartment No: 2A, Hong Loi Tower, Lot 011B2.1, Binh Minh 1 Street, Binh Thuan Ward, Hai Chau District, Da Nang 550000, Viet Nam.

Residential Address (India): 14-B Raman Enclave Extension, Near Rishi Nagar, Opp. Y-Block, Ludhiana-141004, Punjab, India.

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(Personal) : anand_nayyar@yahoo.co.in; anandnayyar@gmail.com
Official Link: https://sda.duytan.edu.vn/-khoa-khoa-hoc-may-tinh-tpb/99-anand-nayyar
Website : http://www.anandnayyar.com
Facebook Page : www.facebook.com/expertresearcher
YouTube Channel : www.youtube.com/anandnayyar (Gyaan with Anand Nayyar)
Mobile : +91-9878327635 (WhatsApp) (India) ; +84-933622812 (Vietnam)

Career Objective

An astute performer with proven expertise in devising and effectuating policies aimed at assuring smooth running of operations and execution of Academic, Research and Administration tasks within the Professional College/University premises, possessing potential for distinctive achievement through strategy, innovation, implementation and control.

Career Synopsis

- Excellent Academician, Researcher, Author, Writer, Scientist, Innovator, Inventor and Consultant with strong Inter-Personnel, Analytical, Problem-Solving, Research & Teaching Skills.

- A stickler for Quality, team building to the core and a natural motivator with perseverance and integrity. Commands excellent communication skills that have been honed through interacting with people at various levels.

- Excellent skills in communication with students and solving their problems with full satisfaction and ensuring 100% Results in academics and other duties delegated in Administration.

- More than 18+ Years of Consolidated Experience (**Teaching, Research & Administration)** as (***Centre Manager***) Pace Computers LTD (June 2008-July 2009); (***Lecturer- Department of Computer Applications***)-Arya College, Ludhiana (June 2009-Feb 2010); (***Assistant Professor- Department of Computer Science)*** in Kamla Lohtia Sanatan Dharam College (June 2010-July 2011); (***Assistant Professor & Head-Research and Development Cell- Department of Computer Applications & IT)*** at KCL Institute of Management and Technology, Jalandhar (August 2011- October 2017).

- Currently working as ***Professor, Scientist, Vice Chairman-Research, Director (IoT and Intelligent Systems Lab)*** in School of Computer Science, Faculty of Information Technology, International School, American Degree Programme (ADP) Department's-Computer Science / Information Technology at ***Duy Tan University (DTU)***, Da Nang, Vietnam. (Jan 2018-Present)

- Certified in **275+ Professional International Certifications** from varied Corporate IT Giants like CompTIA, CISCO, Microsoft, Amazon, Tableau, BCS, ISTQB, EXIN, Oracle, Google, Alibaba Cloud, Cyberoam, Anthropic, Google, Salesforce, FinOps, Tableau, EXIN, Six Sigma and BeingCert.com, GAQM Certification Authority, Publons.

- Published **200+ ISI Publications** in High Reputed Impact Factor Journals-SCI/SCIE/SSCI Indexed; **26 Research Papers** in SCOPUS/ESCI Indexed Journals.

- Awarded **7 Best Paper Awards** at ACCT16, ICCCS2016, ICDMAI 2019, ICIIT 2020, ADSC 2022, TIACOMP 2024 International Conferences for Networks and Communications based Research papers.

- Attended various **1/2/5/7/16/28 Days FDP's/Workshops** on various areas of Computer Science/Information Technology in various Institutions and IT industries.

- Reviewed more than **5000+ Research Papers (Total)/ 2100+ (Web of Science)** for various National and International Conferences/Referred SCI/SCIE/SSCI High Impact Factor Journals including IEEE/Elsevier/Springer/ACM/InterScience/IGI-Global/Sage/Taylor and Francis. ***Certified Publons Academy Peer Reviewer. (Ranked: Top 50 under Web of Science Reviewers Category and Ranked No:3 Overall under Computer Science)***

- Acting as **Managing Editor in Chief, IGI Global, USA- International Journal of Knowledge and System Science (IJKSS).**

- Guided various BCA, B.S., MCA, M. Tech, M.S students for their Projects/Capstone/Thesis. Supervised **2 M. Tech (ECE)** students; **5 M. Tech (CSE); 2 M.S.(CS)** students for Dissertation/Projects; **30 MCA** students for Projects. **1 Ph.D Student; 2 Ph.D Students Undergoing.**

- Chaired **300+ International/National Conferences/Seminars** as Keynote Speaker, Session Chair, Resource person.

- Esteemed member of more than **50** National and International Professional R & D Organizations, Associations and Societies as Life Member/Senior Member/Associate Member. Acting as **Senior Member-ACM, IEEE.**

- Esteemed Member of more than **300+** National and International Refereed Journals cum various National and International Conferences as **Editorial Board, Reviewer Board, Technical Committee Board, and Organizing Committee cum Advisory Board.**

- Published **60+ books** on different subjects of Computer Science, Electronics and Information Technology with National/International Publishers of repute.

- **Intellectual Property Rights**: Granted **18 Australian Patents, 16 German Patents, 4 Japanese Patents, 13 UK Patents, 44 Indian Design and Utility Patents and 3 Indian Copyright and 2 Canadian Copyrights.**

- Delivered **350+** Invited Talks/Guest lectures/Workshops/Webinars/Faculty Development Programs on various topics in Computer Science/Information Technology/Research Methodology/Teaching Skills Enhancements in various academic institutions, Universities, NITs and degree colleges across the country.

- Visiting **Faculty/Consultant/Researcher/Scientist/Expert** to various Top Ranked National/International Institutions/Universities and Corporate Organizations for Research, Technology Transfer and Consultancy activities.

- Awarded **58 Awards for Teaching and Research : College Color Award** by DBIMCA, Punjab; **Best Teacher Award** by Indian Society for Technical Education (ISTE), New Delhi; **Shiksha Ratan Puraskar** by India International Friendship Society (IIFS); **Best Citizen of India-Computer Science** by Best Citizen Publishing House New Delhi; **Best Teacher Award** by Dotway Computers, Ludhiana; **Young Scientist Award** by IRAJ Association; **Bharat Excellence Award** by Friendship Forum of India; **Rashtriya Gaurav Award** by India International Friendship Society; **Rashtriya Jewel Award** by Friendship Forum of India; **Global Excellence Award** by Friendship Forum of India; **Exemplary Educationist Award** by Indo Global Chamber of Commerce, Industries and Agriculture; **Distinguished Faculty Award** by Indo Global Chamber of Commerce, Industries and Agriculture at The International Education and Leadership Summit Awards Ceremony; **Indira Gandhi Award of Excellence** by India International

Friendship Society; **ISTE Section Best Computer Science Teacher Award** by Indian Society for Technical Education (ISTE); **Global Teacher Role Model Award 2015** by MVLA Trust, Mumbai; **Young Researcher Award 2017** by ITSR, Jaipur; **Best Scientist Award 2017** by ITSR, Jaipur; **Asian Status Award for Intellectual People 2018, Global Indian Personality Award 2018, Indo International Emerging Star Award 2018** by Friendship Forum India, **Outstanding Researcher Award (Computer Science and Engineering) 2019** by GOREA, India, **Top 1% Reviewer in Computer Science, Engineering and Cross-Field 2019** by Publons, **Best Researcher Award(Computer Science Research) 2019** by Duy Tan University, Da Nang, Viet Nam, **Distinguished Scientist Award (Computer Science) 2020** by VDGOOD Professional Association under International Scientist Awards on Engineering, Science and Medicine., **International Researcher of the Year 2020** by ICCIC 2020;**Excellence in Education Award 2020** by ITSR; **Outstanding Teacher of Indian Origin working in Foreign University 2020** by MTC Global; **Top 2% Scientist in PLOS ONE and Stanford University- Artificial Intelligence, Networking and Telecommunications and Information and Communication Technologies.- 2020, 2021, 2022, 2023, 2024, 2025**; **Dr. Sarvepalli Radhakrishnan Best Teacher Award 2021** by Society for Learning Technologies; **Distinguished Scientist Award 2021** by SSRN, Elsevier, **Outstanding Scientist Award 2021** by VDGOOOD, India; **Vivekananda Prize 2021** by Institute of Researchers, India; **Best Scientist, Researcher and Professor Award- Year 2019, 2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025 by Duy Tan University, Da Nang, Viet Nam; Distinguished Professor Award 2022** by Cognizance, India; **Excellence Service Award 2022** by VDGOOD, India; **Perficio Award 2022- Best Innovative Faculty of Year** by DHS Foundation, India and Faculty of Entrepreneurship and Business, Universiti Malaysia, Kelantan, Malaysia; **InRes Young Fellow Award 2022** by Institute of Researchers, India; **Best Senior Scientist Award 2022** by GECL (Global Education and Corporate Leadership), India; **Asia Top 50 Scientist and Academician 2022** by Education Expo TV, India; **Research.com—Computer Science—National Ranking: 2; World Ranking: 2555; D-Index: 64; Best Editor Award 2022 by IASC Journal, Tech Science Press; Distinguished Scientist Award 2023 by National University of Singapore; Pro X R&D Awards- Name in Research, Academics (Computer Science) 2023 by RecordOwner.com; Obada Prize 2023 by Obada Committee; Lifetime Achievement Award 2023 by SK Research Group of Companies associated with Senthalir Human Development Trust; Best Intellectual Property Rights Award 2023 by ITSR, India; Distinguished Academic Leader Award 2024** by IRSD, India; **Top Cited Scholar 2024** by Elicit, MDPI; **Lifetime Achievement Award 2024** by Leilani Katie Publication and Press, Senthalir Human Development Trust under Dr. A.P.J. Abdul Kalam Inspire Award 2024; **Best Outstanding Researcher Award 2024,** 2025 by School of Computer Science, Duy Tan University, Viet Nam; Alan **Turing Excellence Award** 2025 in Research and Development by MTTF, Sharda University 2025; **TOP 1000 Scholars in the world 2026- (World Ranking-115, Viet Nam Ranking No:1)**

- Cited in **Asia Pacific: Who's Who Men and Women of Achievement-Year 2013,** by Rifacimento International Association in 2014, **AD Scientific Index- World Scientist and University Ranking 2021/2022/2023/2024; Asian Admirable Achievers 2024** by

Rifacimento, India.

- Completed **1 Grassroot** project in Duy Tan University. Completed **2 Grant Based Ph. D Support Projects** worth Rs **3 Lakh** from IRAJ and Gill Instruments, Bangalore on Wireless Sensor Networks, undergoing **1 ASEAN Project.**

Educational Credentials

- Doctorate of Philosophy (**PhD**)-**Computer Science** from Desh Bhagat University, Mandi Gobindgarh. June 2013 to October 2017.
  (Regular-Mode)

  ## Course Work Details-
  Year of Passing: October 2017; **Division: 1ST**
  Achievement: Topper: Computer Science Stream.

  Thesis Title: Improvised Energy Efficient Multipath Ant Colony Optimization (ACO) based Routing Protocol for Wireless Sensor Networks (WSNs)

- Master in Business Administration (**MBA**) in **Information Systems (IS)** from Sikkim Manipal University, Manipal.
  Year of Passing: December 2013; **Division: 1st**.
  Project: ***Application of Project Management Techniques in Sales and Inventory Management System***

- Master of Computer Applications (**MCA**) from Punjabi University, Patiala.
  Year of Passing: August 2008; **Division: 1ST with Distinction;**

  Achievement: **University Topper, Gold Medallist, College Color cum Best Speaker-3 Years, Roll of Honor- Awardee**

  Industrial Training Project: ***Virtual Private Networking-VPN (Site-To-Site & Remote Access VPN)***

- Certificate in Cyber Law (**CCL**) from Indian Institute of Law (ILI), New Delhi.
  Year of Passing: December 2011; **Division: 1ST.** Achievement: **"A+" Grade.**

- Certificate in Intellectual Property Rights and Information Technology in the Internet Age (**C-IPR**) from Indian Law Institute (ILI), New Delhi.

Year of Passing: March 2012; **Division: 1ST**. Achievement: **"A" Grade.**

- Bachelor of Commerce (**B.Com**) from Punjab University, Chandigarh.
  Year of Passing: August 2005.

Professional Certifications

CompTIA Certifications

Candidate ID: COMP001022820754

- **CompTIA Security+. Code: 3FW11BGY8NFQQSW2**
- **CompTIA Linux+. Code: 6J66B9QQX2FQQ9SJ**
- **CompTIA A+. Code: G1SQSHG821126PJ**
- **CompTIA System Support Specialist (CSSS)**
- **CompTIA Network+. Code: PNQ4WP6S7241QBZ2**
- **CompTIA CySA+. Code: MMK9Q7SL54EB4CM5J**
- **CompTIA Cloud+. Code: 8C4T8D659FV4248J**

CISCO Certifications

- **CCNA (CISCO Certified Network Associate)**
- **CISCO Certified Specialist- Security Core**
- **CISCO Certified Specialist- Network Security Firepower**
- **CCNP- Security (CISCO Certified Network Professional Security)**
- **CISCO Networking Academy- Introduction to Cybersecurity**
- **CISCO Networking Academy- Endpoint Security**
- **CISCO Networking Academy- Cyber Threat Management**

(CISCO ID: CSCO11463046)

Microsoft Certifications

(MCP ID: 6353755)

Microsoft ID: MS0429292876

https://www.credly.com/users/anand-nayyar/badges

- **Microsoft Certified Professional (MCP)- (Windows XP-Client)**
- **Microsoft Certified Systems Administrator (MCSA) (Windows Server 2003)**

- **Microsoft Certified Systems Administrator (MCSA-Messaging) (Microsoft Exchange Server 2003)**
- **Microsoft Certified Systems Engineer (MCSE) (Windows Server 2003)**
- **Microsoft Certified Technology Specialist (MCTS) (Windows Server 2008)- Network Infrastructure Configuration, Active Directory Configuration, Applications Infrastructure Configuration.**
- **Microsoft Certified IT Professional (MCITP) (Windows Server 2008)- Server Administrator**
- **Microsoft Certified Solutions Associate (MCSA) (Windows Server 2008)**
- **Microsoft Certified Professional (MCPS) (Windows Server 2008)**
- **Microsoft Certified Solutions Associate (MCSA) (Windows Server 2012)**
- **Microsoft Certified Solutions Associate (MCSA) (Cloud Platform)**
- **Microsoft Certified Solutions Expert (MCSE) (Cloud Platform and Infrastructure)**
- **Microsoft Certified Solutions Expert (MCSE) (Productivity)**
- **Microsoft Certified Solutions Associate (MCSA) (Web Applications)**
- **Microsoft Certified Solutions Developer (MCSD) (App Builder)**
- **Microsoft Certified Solutions Associate (MCSA) (Windows Server 2016)**
- **Microsoft Certified Solutions Associate (MCSA) (Dynamics 365)**
- **Microsoft Certified Solutions Expert (MCSE) (Business Applications)**
- **Microsoft Certified Azure Fundamentals**
- **Microsoft Certified Azure Administrator Associate**
- **Microsoft Certified Azure Solutions Architect Expert**
- **Microsoft Certified: Security Operations Analyst Associate**
- **Microsoft Certified: Identity and Access Administrator Associate**
- **Microsoft 365 Certified: Administrator Expert**
- **Microsoft Certified: Cybersecurity Architect Expert**

Amazon Certifications

- **AWS Certified Cloud Practitioner. Validation Number: CF3F35LB3FRQQ8GH**
- **AWS Certified Solutions Architect- Associate. Validation Number: DGY3930JGJFE1Q3Y**
- **AWS Certified Solutions Architect- Professional. Validation Number: a16363603ba94ab9b6ebc81a4a8acb0b**
- **AWS Certified Security- Speciality. Validation Number: 0ffc8f99595b43c9abdbb4ef155c28de**

Tableau Certifications

- **Tableau Desktop Specialist. Verification ID: 209a5155249f4cfaaf271d8db76880ac**
- **Tableau Server Certified Associate. Verification ID: 8645e88d595a4857a14ba1d59e3eb54f**

Beingcert.com- Online ISO 9001:2008 UKAS Accreditation Certification Authority, U.K.

- **Certified Scrum MASTER (CSM). Certification Number: B0000559**
- **Lean Six Sigma Yellow Belt Certified. Certification Number: B0000642**
- **Lean Six Sigma Green Belt Certified. Certification Number: B0000650**
- **Lean Six Sigma Black Belt Certified. Certification Number: B0000658**
- **Certified Data Center Professional (CDCP). Certification Number: B0000982**
- **Certified Data Center Specialist (CDCS). Certification Number: B0000983**
- **Certified Data Center Expert (CDCE). Certification Number: B0000992**
- **Certified Data Center Facilities Operations Manager (CDCFOM). Certification Number: B0000993**
- **Certified Big Data Foundation Specialist (CBDFS). Certification Number: B0001007**
- **Foundation Certificate in DevOps (FCDO). Certification Number: B00001008**
- **Certified DevOps Master (CDM). Certification Number: B00001018**
- **Certified Computer Hardware Engineer (CCHE). Certification Number: B00001023**
- **Certified Web Developer (CWD). Certification Number: B00001028**
- **Agile Scrum Foundation (ASF). Certification Number: B00001238**
- **Agile Scrum Master (ASM). Certification Number: B00001239**
- **Certified PHP Developer. Certification Number: B00001242**
- **Associate in Project Management (APM). Certification Number: B00001243**
- **Professional in Project Management (PPM). Certification Number: B00001251**
- **Certified Project Director (CPD). Certification Number: B00001252**

GAQM Certification

- **Linux Certified Professional (LPI-LCP). Certification Number: 89913**
- **Linux Certified Engineer (LPI-LCE). Certification Number: 89921**
- **Linux Certified Master (LPI-LCM). Certification Number: 89932**
- **Certified Cloud Computing Professional (CCCP). Certification Number: 89938**
- **Certified Cloud Computing Consultant (CCCC). Certification Number: 89940**
- **Certified Associate Python Programmer (CAPP). Certification Number: G-102654**
- **Certified Professional Python Programmer (CPPP). Certification Number: G-102663**

EXIN CERTIFICATIONS

EXIN Testing ID: EXIN241070

- Certified in ***ITIL® Foundation Certificate in IT Service Management- EXIN Certification.*** **Registration Number: 6042946; Certification Number: 6043048.20678022**

- Certified in ***PRINCE2 ® Foundation Certificate in Project Management- EXIN Certification.*** **Registration Number: 6049015; Certification Number: 6043048.20680519**

- Certified in ***CCC Big Data Foundation- EXIN Certification.*** **Registration Number: 6446777; Certification Number: 6043048.20833155**

- Certified in ***CCC Internet of Things Foundation- EXIN Certification.*** **Registration Number: 6447115; Certification Number: 6043048.20833243**

- Certified in ***EXIN Blockchain Foundation.*** **Registration Number: 6447519; Certification Number: 6043048.20833596**

- Certified in ***EXIN Blockchain Essentials.*** **Registration Number: 6447517; Certification Number: 6043048.20833584**

- Certified in ***EXIN Information Security Foundation Based on ISO/IEC 27001 ISFS.*** **Registration Number: 6450582; Certification Number: 6043048.20834490**

- Certified in ***EXIN Information Security Management Professional based on ISO/IEC 27001 ISMP.*** **Registration Number: 6450583; Certification Number: 6043048.20834541**

- Certified in ***EXIN Information Security Officer.*** **Certification Number: 6043048.20834542**

- Certified in ***EXIN BCS Artificial Intelligence Foundation.*** **Registration Number: 6451106. Certification Number: 6043048.20834783**

- Certified in ***EXIN BCS Artificial Intelligence Essentials.*** **Registration Number: 6450730. Certification Number: 6043048.20834632**

- Certified in ***EXIN Cloud Computing Foundation.*** **Registration Number: 6452098. Certification Number: 6043048.20835017**
- Certified in ***EXIN Certified Integrator- Secure Cloud Services.*** **Registration Number: 6043048.20835016**

- Certified in ***EXIN Ethical Hacking Foundation.*** **Registration Number: 6454102. Certification Number: 6043048.20835688**

- Certified in ***EXIN SIAM Foundation.*** **Registration Number: 6454927. Certification Number: 6043048.20836027**

- Certified in ***EXIN SIAM Professional.*** **Registration Number: 6454928. Certification Number: 6043048.20836104**

- Certified in ***EXIN Digital Service Manager Integration.*** **Certification Number: 6043048.20836105**

- Certified in ***EXIN Service Integration Manager.*** **Certification Number: 6043048.20836103**

- Certified in ***EXIN IT Service Management Foundation Based on ISO/IEC 20000.*** **Registration Number: 6456351. Certification Number: 6043048.20836587.**

- Certified in ***EXIN Privacy and Data Protection Foundation.*** **Registration Number: 6502761. Certification Number: 6043048.20852042.**

- Certified in ***EXIN Privacy and Data Protection Professional.*** **Registration Number: 65032763. Certification Number: 6043048.208512138**

- Certified in ***EXIN Data Protection Officer.*** **Certification Number: 6043048.20852139**

- Certified in ***EXIN DevOps Foundation.*** **Registration Number: 65032763. Certification Number: 6043048.20852097**

- Certified in ***EXIN DevOps Professional.*** **Registration Number: 6503281. Certification Number: 6043048.20852306**

Aveta Business Institute

- Certified in **Lean Six Sigma White Belt** from Aveta Business Institute, USA.

Cyberoam Technologies

- Certified in **Cyberoam Certified Network & Security Professional (CCNSP)** from Sophos Cyberoam Technologies. (Certification No: CP011215/V3.0/01618)

BCS: The Chartered Institute for IT

BCS Testing ID: BCS064033

ISTQB (International Software Testing Qualifications Board)- Certified Tester Foundation Level (CTFL). Candidate Number: GU36155989; Certificate Number: 00360394; Unique ID: ID11560703;

BCS Intermediate Certificate in Software Testing- Candidate Number: XW36366507; Certificate Number: 00371721;

Asian School of Cyber Laws (ASCL), Mumbai

- Certified in **Ethical Hacking- CEH**. ***(Gold Medallist)***. ***(Rank: Black Hat Hacker*)**
- Certified in **Cyber Crime Protection Program**
- Certified in **Data Privacy Law**

Oracle Technologies

Oracle JAVA Certifications

- **Oracle Certified Associate (OCA), Java SE 8 Programmer.**
- **Oracle Certified Professional (OCP), Java SE 8 Programmer.**

Oracle Database Certifications

- **Oracle Certified Associate (OCA), Oracle Database 12c Administrator.**
- **Oracle Certified Professional (OCP), Oracle Database 12c Administrator.**
- **Oracle Certified Professional (OCP), MySQL 8.0 Database Administrator.**
- **Oracle Certified Professional (OCP), Oracle Database 19c: RAC, ASM and Grid Infrastructure Administrator**

Oracle Artificial Intelligence Certifications

- **Oracle Certified Professional: Oracle Cloud Infrastructure 2024 Generative AI Certified Professional.**

Oracle Specialist Certifications

- **Oracle Certified Specialist-Oracle VM 3.0 for x86 Certified Implementation Specialist.**
- **Oracle AIO Vector Search Certified Professional.**

Oracle Testing ID: OC1718781

Alibaba Cloud Certifications

https://edu.alibabacloud.com/clouder/my/clouderpackage/free?spm=a2c4d.11423077.0.0.565812dbRoUawN&page=2

Alibaba Clouder Certifications

- **Alibaba Cloud Workspace. Serial Number: ACKW351241000169908.**
- **Fundamentals of Cloud Computing. Serial Number: ACFW262241000169943**
- **Getting Started with Machine Learning & AI. Serial Number: ACFW209241000169917**
- **Using Generative AI Ethically and Responsibly. Serial Number: ACFW287241000169919**
- **Prompt Engineering Fundamentals. Serial Number: ACFW250241000169920**
- **Dive into Generative AI. Serial Number: ACFW252241000169922**
- **The Large World of Language Models. Serial Number: ACFW247241000169923**
- **Alibaba Digital Innovation for Sustainability. Serial Number: ACFW2822410001699399**
- **Deploying MySQL on ECS. Serial Number: ACFW248241000169940**
- **Network Security on Alibaba Cloud. Serial Number: ACFW253241000169946**
- **Alibaba Cloud with AIGC. Serial Number: ACFW228241000169948**
- **Image Generation Models in Generative AI. Serial Number: ACFW302241000169950**
- **Business User Quiz-1. Serial Number: ACFW2528241000169952**
- **Apsara Clouder- Cloud Computing ECS Cost Control: An Overview. Serial Number: ACLC72241100172235**
- **Apsara Clouder- Cloud Computing Operate and Manage a Cloud Server. Serial Number: ACLC03241000171511**
- **Apsara Clouder- Big Data Internet of Things (IoT), Big Data and AI in Alibaba Cloud. Serial Number: ACLD45241100172480**
- **Apsara Clouder Cloud Computing Alibaba Cloud Database Backup Service Technical Essentials. Serial Number: ACFW169241100172475**
- **Apsara Clouder Big Data Machine Learning for Begineers- Linear Regression. Serial Number: ACLD09241000171576**
- **Apsara Clouder- Cloud Computing Secure and Easy Data Management with DMW. Serial Number: ACFW171241100172478**
- **Apsara Clouder- Cloud Computing Dedicated Hardware: Bare Metal Instances and Dedicated Hosts. Serial Number: ACLC68241100174507**

- **Apsara Clouder- Cloud Computing: Alibaba Cloud ECS Product Purchasing Options. Serial Number: ACLC71241100174161**
- **An Introduction to Microservice Architecture. Certificate ID: ACLC37241100176141**
- **Using SAS to Publish an Opencart E-Commerce Website. Certificate ID: ACLC07241100176140**
- **Riding Analysis of Shared Bicycles. Certificate ID: ACLD13241100176169**
- **How to Manage Ultra Large Application with EDAS. Certificate ID: ACLC14241100176168**
- **Using ECS to construct a Dynamic Website. ACLC02241100176139**
- **6TH Generation Elastic Compute Service Technical Essentials. Certificate ID: ACLC63241100180699**
- **Using Function Compute to Acquire Users Registration Info. Certificate ID: ACLC41241200182380**
- **Deploy an Image Process Service using Function Compute. Certificate ID: ACLC10241200182379**
- **Apsara Clouder- Artificial Intelligence- Generative AI. Certificate ID: ACFW193241200181419**
- **Apsara Clouder- Big Data- MySQL for Beginners. Certificate ID: ACLD16241200182378**
- **Alibaba Cloud Product Capability Certification- Quick BI. Certificate ID: ACFW358241200181418**
- **Apsara Clouder- Big Data- Machine Learning: Heart Disease Prediction. Certificate ID: ACLD06241200185155**
- **Apsara Clouder- Cloud Computing- Using OSS to Publish a Static Website. Certificate ID: ACLC01241200185154**
- **Apsara Clouder- Big Data: Persona Building of Housing Resource. Certificate ID: ACLD38250100185540**
- **Apsara Clouder- Cloud Computing: Use Cloud Resources Flexibly According to Business Requirement. Certificate ID: ACLC13250100185539**
- **Apsara Clouder- Cloud Computing- Conducting DevOps practices on Alibaba Cloud. Certification ID: ACLC42250100186016**
- **Apsara Clouder- General Skill- Network Series Courses. Certification ID: ACLO02250100185957**
- **Apsara Clouder- Cloud Computing- Introduction of HBASE. Certification ID: ACFW168250100185956**
- **Apsara Clouder- Cloud Computing- Alibaba Cloud ApsaraDB for PolarDB Technical Essentials. Certification ID: ACFW191250100185955**
- **Apsara Clouder- Cloud Computing- Operate and Manage Object Storage on the Cloud. Certification ID: ACLC05250100185873**

- **Apsara Clouder- Cloud Computing- Special Purpose Hardware: Introduction to GPU and FPGA Equipped Instances. Certification ID: ACLC66250100185814**
- **Apsara Clouder- Cloud Computing- Using SAS to Publish a Magento E-Commerce Website. Certification ID: ACLC54250100185813**
- **Apsara Clouder- Big Data- Quickly Generate Large Dashboards for Data Visualization. Certification ID: ACLD03250100185812**
- **Apsara Clouder- Big Data- Delivery Business Data Analysis. Certification ID: ACLD39250100185811**
- **Apsara Clouder- Big Data- Data Visualization using Python. Certification ID: ACLD17250100186301**
- **Apsara Clouder- Big Data- Quickly Generate Business Intelligence Diagrams with QuickBI. Certification ID: ACLD04250100186300**
- **Apsara Clouder- Big Data- Alibaba Cloud DataWorks- Basic Knowledge. Certificate ID: ACLD25250200187204**
- **Apsara Clouder- Cloud Computing- Alibaba Cloud Network Solution. Certificate ID: ACLC51250200186963**
- **Apsara Clouder- Cloud Computing- Interconnecting VPC using Cloud Enterprise Network. Certificate ID: ACLC31250200186961**
- **Apsara Clouder- Cloud Computing- Internetworking with VPC. Certificate ID: ACLC20250100186867**
- **Apsara Clouder- Cloud Computing- Establish virtual private connection with VPN Gateway. Certificate ID: ACLC43250200186962**
- **Apsara Clouder- Cloud Computing- Global Accelerator- Network Acceleration Service Technical Operations. Certificate ID: ACLC60250200187202**
- **Apsara Clouder- Cloud Computing- Use Alibaba Cloud CDN to Accelerate Your Content Globally. Certificate ID: ACLC18250200187201**
- **Apsara Clouder- Big Data- Alibaba Cloud Big Data- Data Integration. Certificate ID: ACLD27250200187203**
- **Apsara Clouder- Cloud Computing- Handle Large Traffic with Load Balancer. Certificate ID: ACLC06250100186803**
- **Introduction to Alibaba Cloud Big Data. Certificate ID: ACFW37225020018871**
- **Apsara Clouder- Cloud Computing- Alibaba Cloud Monitoring and Management. Certificate ID: ACLC50250200191033**
- **Apsara Clouder- Cloud Computing- Operate and Manage a Relational Database on the Cloud. Certificate ID: ACLC04250200191028**
- **Apsara Clouder- Cloud Computing- Use Log Service to Apply Log Management. Certificate ID: ACLC52250200191031**
- **Apsara Clouder- Cloud Computing- Achieve CI&CD with Jenkins. Certificate ID: ACLC36250500211534**

- **Apsara Clouder- Cloud Computing- Alibaba Cloud Relational Database Service Technical Operations. Certificate ID: ACLC58250500211530**
- **Apsara Clouder- Cloud Computing- An Introduction of Alibaba Cloud MQ. Certificate ID: ACLC40250500211537**
- **Apsara Clouder- Cloud Computing- An Introduction to DevOps. Certificate ID: ACLC19250500211533**
- **Apsara Clouder- Cloud Computing- Distributed Storage Introduction. Certificate ID: ACLC24250500211538**
- **Apsara Clouder- Cloud Computing- Introduction to API Gateway on Alibaba Cloud. Certificate ID: ACLC49250500211535**
- **Apsara Clouder- Big Data- Machine Learning Algorithm Primer Series 2- Naïve Bayes Classifier. Certificate ID: ACLD12250500211532**
- **Apsara Clouder- Cloud Computing- MySQL Database Concepts and Operations. Certificate ID: ACLD08250500211531**
- **Apsara Clouder- Cloud Computing- Performance Testing and Optimizing of Containerized Applications. Certificate ID: ACLC44250500211536**
- **Apsara Clouder- Big Data- Alibaba Cloud Big Data Products Overview. Certificate ID: ACLD18250600212537**
- **Apsara Clouder- Big Data- Data Development with DataWorks & MaxCompute. Certificate ID: ACLD41250600212540**
- **Apsara Clouder- Big Data- How to Migrate Data to Big Data Platform on the Cloud. Certificate ID: ACLD02250600212541**
- **Apsara Clouder-Big Data- Implement Decision Tree with Python. Certificate ID: ACLD29250600212544**
- **Apsara Clouder- Big Data- Introduction to Big Data Platform on the Cloud. Certificate ID: ACLD01250600212539**
- **Apsara Clouder- Big Data- Machine Learning Algorithm Primer Series 4- Decision Tree and Random Forest. Certificate ID: ACLD15250600212543**
- **Apsara Clouder- Big Data- Machine Learning Algorithm Primer Series 3- Logistic Regression Model. Certificate ID: ACLD14250600212542**
- **Apsara Clouder- Big Data- Predicting Coupon Efficacy. Certificate ID: ACLD36250600212546**
- **Apsara Clouder- Big Data- Support Vector Machine Implementation Through PAI. Certificate ID: ACLD40250600212548**
- **Apsara Clouder- Cloud Computing- 3 Major Scenarios You Should Know to Migrate to Alibaba Cloud. Certificate ID: ACLC15250600213181**
- **Apsara Clouder- Big Data- A Quick Guide to Process Structured Data with Python. Certificate ID: ACLD05250600213171**
- **Apsara Clouder- General Skill- Coming to China Online Market. Certificate ID: ACLO04250600213192**
- **Apsara Clouder- Cloud Computing- Data Transmission Service to Technical Essentials. Certificate ID: ACLC65250600213179**

- **Apsara Clouder- General Skill- Getting Started with Linux Server Management. Certificate ID: ACLO03250600213194**
- **Apsara Clouder- Big Data- How to Use Spark on Cloud Series2- Spark Python. Certificate ID: ACLD11250600213177**
- **Apsara Clouder- Big Data- How to Use Spark on Cloud Series- Setup. Certificate ID: ACLD10250600213176**
- **Apsara Clouder- Cloud Computing- Introduction to Docker Container. Certificate ID: ACLC30250600213199**
- **Apsara Clouder- Cloud Computing- Migrate Your Application to Alibaba Cloud. Certificate ID: ACLC28250600213185**
- **Apsara Clouder- Cloud Computing- Migration of Cloud Database from Third Party Platforms to Alibaba Cloud. Certificate ID: ACLC47250600213189**
- **Apsara Clouder- Big Data- Scale Python on Cloud. Certificate ID: ACLD07250600213173**
- **Apsara Clouder- Cloud Computing- Structured Data Migration. Certificate ID: ACLC39250600213186**
- **Apsara Clouder- Cloud Computing- Unstructured Data Migration. Certificate ID: ACLC34250600213180**
- **Apsara Clouder- Cloud Computing- Using Kubernetes to Manage Containers and Cluster Resources. Certificate ID: ACLC32250600213197**
- **Apsara Clouder- Cloud Security- Best Practice to Protect Your Servers on Alibaba Cloud. Certificate ID: ACLS04250600214099**
- **Apsara Clouder- Cloud Security- Best Practices for the Safety Operations of the Host on the Cloud. Certificate ID: ACLS11250600214103**
- **Apsara Clouder- Cloud Security- Cloud Platform Security Overview. Certificate ID: ACLS01250600214100**
- **Apsara Clouder- Cloud Security- Cloud Servers Security Strengthening. Certificate ID: ACLS08250600214102**
- **Apsara Clouder- Cloud Security- Malicious Code Mechanism Deep Dive. Certificate ID: ACLS10250600214104**
- **Apsara Clouder- Cloud Security- Secure Your Data on the Alibaba Cloud. Certificate ID: ACLS03250600214106**
- **Apsara Clouder- Cloud Security- The Backup and Recovery of Common Cloud Databases. Certificate ID: ACLS12250600214107**
- **Apsara Clouder- Cloud Security- Use Alibaba Cloud Anti-DDoS Service to Defend DoS Attack. Certificate ID: ACLS06250600214098**
- **Apsara Clouder- Cloud Computing- Web Application Attacks and Defense Deep Dive. Certificate ID: ACLS07250600214101**
- **Apsara Clouder- Cloud Computing- Alibaba Cloud Analysis Architecture and Case Studies. Certificate ID: ACLC26250600214406**

- **Apsara Clouder- Cloud Computing- Alibaba Cloud Elastic Architecture and Case Study. Certificate ID: ACLC23250600214403**
- **Apsara Clouder- Cloud Computing- Alibaba Cloud Fundamental Architecture and Case Study. Certificate ID: ACLC17250600214401**
- **Apsara Clouder- Big Data- Alibaba Cloud MaxCompute- Authority and Security. Certificate ID: ACLD24250600214729**
- **Alibaba Clouder- Big Data- Alibaba Cloud MaxCompute-Basic Knowledge. Certificate ID: ACLD19250600214609**
- **Alibaba Clouder- Big Data- Alibaba Cloud MaxCompute- Data Transmission. Certificate ID: ACLD20250600214610**
- **Alibaba Clouder- Big Data- Alibaba Cloud MacCompute- Programming Model. Certificate ID: ACLD23250600214724**
- **Apsara Clouder- Big Data- Alibaba Cloud MaxCompute- SQL Development. Certificate ID: ACLD21250600214748**
- **Alibaba Clouder- Big Data- Alibaba Cloud MaxCompute-UDF Development. Certificate ID: ACLD22250600214723**
- **Alibaba Clouder- Cloud Computing- Alibaba Hybrid Cloud Solution. Certificate ID: ACLC53250600214407**
- **Apsara Clouder- Cloud Computing- An Introduction to Application Containerization. Certificate ID: ACLC38250600214399**
- **Apsara Clouder- Big Data- An Introduction of Elasticsearch. Certificate ID: ACLD37250600214603**
- **Apsara Clouder- Big Data- Apache Hadoop Overview. Certificate ID: ACLD33250600214745**
- **Apsara Clouder- Cloud Security- Generative AI/LLM Concepts and Applications on Alibaba Cloud PAI. Certificate ID: ACFW215250600214853**
- **Apsara Clouder- Cloud Computing- Enterprise Multi-Account Management with Resource Discovery. Certificate ID: ACLC74250600214400**
- **Alibaba Clouder- Big Data- Explore the Technologies Behind the World's Largest Shopping Festival. Certificate ID: ACLD44250600214411**
- **Alibaba Cloud- Getting to Know Model Studio. Certificate ID: ACFW440250600215133**
- **Apsara Clouder- Big Data- Hadoop Architectures and Principles. Certificate ID: ACLD34250600214746**
- **Apsara Clouder- Big Data- Hadoop Cluster Installation on Alibaba Cloud ECS. Certificate ID: ACLD32250600214736**
- **Apsara Clouder- Cloud Computing- Implement Blue-Green Deployment with Container Service. Certificate ID: ACLC12250600214397**
- **Apsara Clouder- General Skill- Java Coding Standards in Alibaba Group. Certificate ID: ACLO01250600214750**
- **Apsara Clouder- Cloud Computing- Provisioning a Multi-Zone ACK Kubernetes Cluster using Terraform. Certificate ID: ACLC57250600214394**

- **Apsara Clouder- Big Data- Real time Computing with Apache Flink. Certificate ID: ACLD46250600214747**
- **Apsara Clouder- Cloud Computing- Understanding the Database Technology that Powers Double 11. Certificate ID: ACLC55250600214409**
- **Apsara Clouder- Big Data- Using Hive and Hadoop on E-MapReduce. Certificate ID: ACLD30250600214730**
- **Apsara Clouder- Big Data- Using Spark on E-MapReduce. Certificate ID: ACLD31250600214607**
- **Apsara Clouder- Cloud Computing- Using Swarm to Orchestrate and Manage Containers. Certificate ID: ACLC33250600214398**

Alibaba Speciality Certifications

- **Alibaba Cloud Innovative Computing Speciality Certification. Certificate ID: SPEC08241100174172**
- **Alibaba Cloud Data Analysis. Certificate ID: SPEC03250600214857**
- **Alibaba Cloud Machine Learning. Certificate ID: SPEC04250600214860**
- **Alibaba Cloud Migration. Certificate ID: SPEC06250600214849**
- **Alibaba Cloud Networking Engineer. Certificate ID: SPEC01250600214827**
- **Alibaba Cloud NoSQL. Certificate ID: SPEC07250600214798**
- **Alibaba Cloud Relational Database. Certificate ID: SPEC05250600214852**
- **Alibaba Cloud DevOps. Certificate ID: SPEC02250600214753**

Google Cloud Certifications

Google ID: GGLE01278327

- **Google Cloud Certified Cloud Digital Leader. Series ID: 91488**
- **Google Cloud Certified Associate Cloud Engineer. Series ID: 162886**
- **Google Cloud Certified Professional Cloud Architect. Series ID: 105589**

Salesforce Certifications

- **Salesforce Certified AI Associate. Certificate ID: 5740530**
- **Salesforce Certified AI Specialist. Certificate ID: 5740701**
- **Salesforce Certified Administrator. Certificate ID: 5744429**
- **Salesforce Certified Advanced Administrator. Certificate ID: 5744812**

Anthropic Certifications

- **Claude 101. Certificate No: ykzv96rue7x4**
- **Claude Code 101.**
- **Introduction to Claude Cowork**
- **Claude Code in Action. Certificate No: k4gtpbuet9tu**
- **Claude platform 101**

FinOps Certifications

- **Introduction to FinOps. Certificate No: 3ercja9p9a54**
- **Introduction to Focus. Certification No: aohsoagutij9**

RED TEAM LEADERS Certifications

- **Certified LLM Security Professional (CLLMSP)**
- **Certified AV/Evasion Practical Techniques Professional**
- **Certified Human Trafficking Awareness Professional (CHTAP)**
- **Certified Artificial Intelligence Security & Risk (CAISR)**

Research Oriented Certifications

- **Certified Publons Academy Peer Reviewer.**
- **Elsevier Researcher Academy: Certified Peer Reviewer Course.**
- **ACM Certified Reviewer**
- **AI Visionary by HuntForTalent, Threws**
- **Machine Learning Expert by HuntForTalent, Threws**
- **Global Leader by HuntForTalent, Threws**

Computer Science/Information Technology Specializations

- **Networking & Data Communications/ Wireless Communications / Sensor Networks: Network Infrastructure Development, network architecture, LAN, WAN, MAN, enterprise networks, campus networks, high-speed networks, optical networks, satellite networks, data communication protocols, routing and switching, TCP/IP, IPv6, network performance optimization, quality of service, traffic engineering, network monitoring, network automation, software-defined networking, network function virtualization, intent-based networking, programmable networks, open networking, future internet architectures, WiMAX, Wi-Fi 6, Wi-Fi 6E, Wi-Fi 7, Bluetooth Low Energy, Zigbee, Z-Wave, LoRaWAN, NB-IoT, mobile communications, wireless networks, wireless mesh networks, cognitive radio networks, opportunistic networks, delay tolerant networks, mobile adhoc networks, vehicular adhoc networks, flying adhoc networks, underwater sensor networks, wireless sensor networks, body sensor networks, biomedical sensors, environmental sensor networks, industrial sensor networks, smart sensing, sensor data acquisition, sensor fusion, sensor localization, energy-efficient routing, Internet of Things, Industrial Internet of Things, Internet of Everything, edge IoT, cloud IoT, IoT middleware, IoT platforms, MQTT, CoAP, AMQP, DDS, digital twins, cyber-physical systems, smart homes, smart healthcare, smart agriculture, smart grids, smart transportation, connected infrastructure, AI-enabled networking, AI-enabled IoT, TinyML for sensor devices and next-generation intelligent communication systems.**

- **Network Security: Ethical Hacking, vulnerability assessment, penetration testing, red teaming, blue teaming, purple teaming, intrusion detection systems, intrusion prevention systems, honeypots, honeynets, firewalls, next-generation firewalls, unified threat management, Cyberoam technologies, Sophos network security hardware, secure network architecture, zero-trust security, secure access service edge, security service edge, VPN security, endpoint security, wireless security, mobile security, web application security, API security, email security, malware analysis, ransomware defense, threat intelligence, cyber threat hunting, security information and event management, security orchestration automation and response, identity and access management, privileged access management, multi-factor authentication, data loss prevention, cryptography, public key infrastructure, blockchain security, cryptocurrency security, smart contract security, dark web monitoring, cyber forensics, digital forensics, DEFT forensics, computer forensics, mobile forensics, network forensics, cloud forensics, memory forensics, malware forensics, incident response, disaster recovery, business continuity, information security planning and development,**

governance risk and compliance, privacy engineering, security auditing, cyber law, cyber ethics, secure operating systems and security awareness.

- **Virtualization/Cloud Computing: VMware administration, Microsoft Hyper-V, Xen, KVM, Oracle VirtualBox, Proxmox, containerization, Docker, Kubernetes, OpenShift, cloud servers infrastructure deployment, private cloud, public cloud, hybrid cloud, multi-cloud, community cloud, Ubuntu Cloud, OpenStack, OwnCloud, Nextcloud, Amazon Web Services, Microsoft Azure, Google Cloud Platform, Alibaba Cloud, Oracle Cloud Infrastructure, IBM Cloud, cloud computing security, cloud identity and access management, cloud networking, cloud storage, cloud databases, cloud monitoring, cloud backup, disaster recovery in cloud, serverless computing, function-as-a-service, platform-as-a-service, infrastructure-as-a-service, software-as-a-service, containers-as-a-service, microservices architecture, service mesh, API gateways, infrastructure as code, Terraform, Ansible, Puppet, Chef, Jenkins, GitHub Actions, GitLab CI/CD, Azure DevOps, DevSecOps, site reliability engineering, cloud cost optimization, FinOps, cloud governance, cloud compliance, edge computing, fog computing and green cloud computing.**

- **Machine Learning/Deep Learning: Python with machine learning and deep learning libraries, R language, NumPy, Pandas, SciPy, Scikit-learn, TensorFlow, Keras, PyTorch, JAX, MLflow, Hugging Face, OpenCV, computer vision, natural language processing, speech processing, recommendation systems, predictive analytics, supervised learning, unsupervised learning, semi-supervised learning, self-supervised learning, reinforcement learning, deep reinforcement learning, neural networks, convolutional neural networks, recurrent neural networks, long short-term memory networks, gated recurrent units, transformers, attention mechanisms, graph neural networks, generative adversarial networks, diffusion models, generative artificial intelligence, large language models, multimodal artificial intelligence, agentic AI, prompt engineering, retrieval augmented generation, vector databases, embeddings, knowledge graphs, explainable artificial intelligence, responsible artificial intelligence, ethical artificial intelligence, trustworthy AI, AI governance, AI safety, AI security, adversarial machine learning, federated learning, transfer learning, AutoML, MLOps, LLMOps, AIOps, edge AI, TinyML and AI applications in healthcare, finance, education, cybersecurity, robotics, agriculture, transportation and smart cities.**

- **Windows Servers/ Linux based Desktop Operating Systems (Desktop Support/ System Administration & Engineering): - Microsoft Windows desktop operating systems, Windows Server administration, Active Directory, Group Policy, DNS, DHCP, file servers, print servers, PowerShell scripting, Microsoft 365 administration, Linux desktop and server operating systems, Ubuntu, Debian,**

Red Hat Enterprise Linux, Fedora, CentOS Stream, Rocky Linux, AlmaLinux, Kali Linux, Arch Linux, Linux system administration, Linux shell scripting, Bash scripting, Unix systems, Solaris, HP-UX, AIX, FreeBSD, OpenBSD, macOS administration, system installation and configuration, user and group management, package management, process management, storage management, backup and recovery, system monitoring, patch management, endpoint management, remote desktop support, troubleshooting, performance tuning, system hardening, configuration management, identity management, virtualization support, container host administration and enterprise IT support

- **<u>Web Development:</u> HTML, HTML5, DHTML, XHTML, XML, CSS, CSS3, Sass, Bootstrap, Tailwind CSS, JavaScript, TypeScript, jQuery, AJAX, JSON, React, Angular, Vue.js, Svelte, Next.js, Nuxt.js, Node.js, Express.js, ASP.NET, ASP.NET Core, PHP, Laravel, Django, Flask, Ruby on Rails, REST APIs, GraphQL APIs, WebSockets, progressive web applications, single-page applications, server-side rendering, static site generation, responsive web design, accessibility, web performance optimization, web security, secure coding, content management systems, WordPress, Drupal, Joomla, headless CMS, e-commerce web development, payment gateway integration, search engine optimization, technical SEO, on-page SEO, off-page SEO, local SEO, search engine marketing, Google Analytics, Google Search Console, Google Tag Manager, Google Ads, Google AdSense, keyword research tools, digital analytics, conversion rate optimization, A/B testing, social media marketing, content marketing, email marketing, marketing automation, ethical SEO practices and awareness of black hat SEO techniques for defensive and compliance purposes.**

- **<u>Database's/Big Data/ Data Science:</u> Fundamental Concepts of DBMS & RDBMS, database design, entity relationship modeling, normalization, SQL, advanced SQL, stored procedures, triggers, indexing, query optimization, transaction management, concurrency control, database security, database administration, backup and recovery, data replication, distributed databases, cloud databases, NoSQL databases, document databases, key-value databases, column-family databases, graph databases, time-series databases, in-memory databases, NewSQL databases, data mining, data warehousing, data marts, ETL, ELT, data lakes, data lakehouses, data pipelines, data integration, data governance, metadata management, master data management, data quality, data privacy, data visualization, business intelligence, big data analytics, real-time analytics, stream processing, batch processing, predictive analytics, prescriptive analytics, statistical analysis, exploratory data analysis, feature engineering, data storytelling, decision support systems and analytics for business, healthcare, finance, education, cybersecurity, industry and government.**

- **Database Software's: - MS Access, Oracle Database including Oracle 9i, 10g, 11g, 12c, 19c and 23ai, Microsoft SQL Server, MySQL, PostgreSQL, MariaDB, SQLite, IBM Db2, MongoDB, CouchDB, Couchbase, Redis, Cassandra, HBase, Neo4j, OrientDB, graph databases, NoSQL databases, NewSQL databases, Google BigQuery, Amazon Redshift, Snowflake, Azure Synapse Analytics, Databricks, Apache Hadoop, HDFS, MapReduce, Apache Pig, Apache Hive, Apache Sqoop, Apache Flume, Apache Oozie, Apache Zookeeper, Apache Kafka, Kafka Streams, Apache Spark, PySpark, Spark SQL, Spark Streaming, Apache Flink, Apache Storm, Apache Beam, Apache Airflow, dbt, Presto, Trino, Elasticsearch, OpenSearch, ClickHouse, InfluxDB, TimescaleDB, MinIO, Delta Lake, Apache Iceberg, Apache Hudi, data warehouse platforms, data lakehouse platforms, stream processing platforms, distributed file systems and modern data engineering ecosystems.**

- **Programming: - C, C++, C#, C#.NET, .NET, Java, Core Java, Jakarta EE, Python, R, Go, Rust, JavaScript, TypeScript, PHP, Ruby, Ruby on Rails, Kotlin, Swift, Dart, Scala, Julia, MATLAB, Perl, Shell scripting, Bash, PowerShell, TCL, OTCL, data structures, file structures, algorithms, object-oriented programming, functional programming, procedural programming, concurrent programming, parallel programming, event-driven programming, reactive programming, secure coding, clean code, software design patterns, API development, microservices development, desktop application development, mobile application development, web application development, enterprise application development, game programming, systems programming, embedded programming, distributed systems programming, version control using Git, GitHub, GitLab, Bitbucket, software documentation, debugging, testing, profiling, code review and modern software development life cycle practices.**

- **Embedded Systems Technologies/Software's: Raspberry Pi, Arduino boards, Arduino shields, LilyPad Arduino, Freeduino, BeagleBone, Odroid, Cubieboard, Nano-PC, LattePanda, NVIDIA Jetson Nano, NVIDIA Jetson Orin, Google Coral, Intel Galileo Board, Intel Edison, Intel Compute Stick, Android Smart PC technologies, AVR microcontrollers, PIC microcontrollers, ATmega microcontrollers, ARM Cortex microcontrollers, STM32, ESP8266, ESP32, MSP430 processor technology, RISC-V embedded platforms, FPGA-based embedded systems, System-on-Chip platforms, sensors and actuators, biomedical sensors, industrial sensors, motor control, basic robotic operations, autonomous robotics, mobile robots, drones, wearable devices, embedded Linux, real-time operating systems, FreeRTOS, Zephyr RTOS, TinyOS, device drivers, firmware development, hardware-software co-design, embedded security, IoT prototyping, edge AI hardware, TinyML hardware and low-power embedded system design. The software and development tools include Arduino IDE, PlatformIO, Micro C**

Compiler, MPLAB X IDE, IAR Embedded Workbench for MSP430, Keil uVision, STM32CubeIDE, Atmel Studio, Code Composer Studio, Raspberry Pi OS, NVIDIA JetPack, Android Studio, Embedded C, MicroPython, CircuitPython, Verilog, VHDL and hardware debugging tools..

Software's: Micro C Compiler, Arduino IDE Development Environment, IAR Workbench for MSP430.

- **<u>Mobile Communications:</u> 2G, 3G, 4G LTE, LTE-Advanced, 5G, 5G Advanced, 6G technology, mobile communication architectures, radio access networks, core networks, mobile network planning, spectrum management, handover management, mobility management, mobile IP, mobile cloud computing, mobile edge computing, mobile application development, Android development, iOS development, cross-platform mobile development, Flutter, React Native, Kotlin Multiplatform, mobile security, mobile device management, mobile application security, mobile forensics, mobile payment systems, near-field communication, device-to-device communication, vehicle-to-everything communication, ultra-reliable low-latency communication, massive machine-type communication, enhanced mobile broadband, intelligent reflective surfaces, terahertz communication, visible light communication, satellite-mobile integration, non-terrestrial networks, open radio access networks, private 5G networks, AI-enabled radio networks, self-organizing networks and future mobile communication technologies.**

- **<u>Smart and Intelligent Technologies:</u> Smart Cities, smart villages, smart homes, smart buildings, green buildings, smart transportation, intelligent traffic management, smart parking, smart healthcare, smart agriculture, smart education, smart governance, smart energy systems, smart grids, smart metering, smart manufacturing, Industry 4.0, Industry 5.0, sustainable technologies, green computing, energy-efficient computing, cyber-physical systems, digital twins, cobotics, collaborative robots, autonomous systems, industrial automation, human-machine interaction, intelligent control systems, predictive maintenance, augmented reality, virtual reality, mixed reality, extended reality, blockchain-enabled smart systems, AI-enabled automation, intelligent surveillance systems, environmental monitoring, disaster management systems, climate technology, circular economy technologies and sustainable digital transformation.**

- **<u>Misc. Computer Science Subjects</u>: Software Engineering & Software Testing, software quality assurance, system analysis and design, project management, agile project management, Scrum, Kanban, DevOps project practices, management information systems, decision support systems, computer graphics, advanced computer graphics, visualization, multimedia and internet technology, algorithm analysis and design, data structures, theory of computation, automata**

theory, formal languages, compiler design, operating systems, advanced operating systems, distributed operating systems, real-time operating systems, systems software, computer system architecture, advanced computer architecture, parallel computer architecture, digital electronics, logic design, microprocessors, microcontrollers, object-oriented analysis and design using UML, enterprise architecture, e-commerce, m-commerce, fintech systems, human-computer interaction, user experience design, information retrieval, system simulation and modeling, high-performance computing, parallel computing, distributed computing, grid computing, quantum computing, neuromorphic computing, artificial intelligence, robotics engineering, autonomous systems, ethics in computing, professional practices, research methodology and emerging trends in computer science.

- **<u>Simulators (Networking/ Cloud Computing):</u> NS-2, NS-3, OPNET, Riverbed Modeler, QualNet, MATLAB, Simulink, SCILAB, LabVIEW, OMNeT++, INET Framework, Veins, SUMO, Mininet, Containernet, GNS3, EVE-NG, Cisco Packet Tracer, Boson Network Simulator, NetSim, OptSim, CupCarbon IoT Simulator, Cooja Simulator, TOSSIM, ONE Simulator for opportunistic networks, Q-Sim, CloudSim, CloudAnalyst, GreenCloud, CloudReports, iFogSim, EdgeCloudSim, IoTSim, FogNetSim++, Docker-based testbeds, Kubernetes test environments, network digital twins, cyber range platforms, virtual labs, hardware-in-the-loop simulation, robotic simulation tools, Gazebo, Webots, CoppeliaSim, ROS and ROS2 simulation environments, AnyLogic, Arena, SimPy and modern tools for cloud, fog, edge, IoT, wireless, vehicular, robotic and cyber-physical system simulation..**

Research Areas

- **Wireless Communications: Mobile Adhoc Networks, Wireless Sensor Networks, Underwater Sensor Networks, Opportunistic Networks, Vehicular Adhoc Networks, Flying Adhoc Networks, Sea Adhoc Networks, UAV Adhoc Networks/Drones, Wireless Mesh Networks.**
- **Cyber Security: Ethical Hacking & Cyber Forensics, Cyber Laws & Intellectual Property Rights, Penetration Testing, Black Hat Hacking Techniques, Vulnerability Assessment, Threat Prevention Techniques development, Kali Linux and other Hacking and Security Tools.**
- **Client Server Computing: Pervasive Computing, Distributed Computing, Parallel Computing, Scalable Computing, High Performance Computing, Cluster Computing.**
- **Big Data Analytics: Data Mining, Big Data and Securing Database Servers, Social and Multimedia Data Mining, Distributed Systems, Big Data Analytics and Reporting, Social Data Mining.**
- **Cloud Computing and Virtualization: Virtualization, Cloud Computing and Securing Cloud, Cloud Simulations, Artificial Intelligence in Cloud Computing.**
- **Optimization Techniques: Algorithm Design and Development, Swarm Intelligence, Genetic Algorithms, Nature Inspired Algorithms and Metaheuristics.**
- **Artificial Intelligence/Machine Learning/ Deep Learning: Embedded Systems, Robotics, AI Techniques Design, Machine Learning, Deep Learning, Cognitive Intelligence, Computational Intelligence, Chatbots, Robot Process Automation (RPA), Cobotics, AI Programming, XAI, Agentic AI.**
- **Microcontrollers and Development Boards: PIC Microcontrollers, Arduino Boards- Lilypad's, Shields, Raspberry Pi, Beaglebone, Cubie Board, Odroid, UDOO, Asus Tinker Board, Pine 64, Nano-PC, Nvidia Jetson, BBC Micro Bit, and other IoT Development Kits.**
- **Other Areas: Internet of Things (IoT), Smart Grids, SCADA, Power Systems, Photonics, Optical Fibre Communication.**

Research Papers/ Conferences/ Edited Books/ Intellectual Property

Publication Synopsis

Papers Published in International Conferences: 92

a. **IEEE Xplore: 26**
b. **Springer: 53**
c. **ACM (ACM Digital Library): 8**
d. **AIP Publishing 2**
e. **Elsevier Procedia 1**
f. **SPIE Digital Library 1**
g. **Misc Scopus Indexed: 1**

Papers Published in International Journals: 263

a. **Scopus and ESCI: 34**
b. **SCI & SSCI: 16**
c. **SCIE: 213**

Book Chapters: 76

Articles Published in National/International Leading Magazines: 178

Patents: (Australia: 18; India: 46; German: 16; Japan: 4; UK: 13; US:1) 99

Copyrights: (India: 3; Canadian: 2) 5

Books Published: 85

Total: 797

Indexing Services

Google Scholar: http://scholar.google.co.in/citations?user=7uvZuX8AAAAJ&hl=en

DBLP: http://dblp.uni-trier.de/pers/hd/n/Nayyar:Anand

Researcher ID: F-3732-2015; http://www.webofscience.com/wos/author/record/F-3732-2015

Scopus: https://www.scopus.com/authid/detail.uri?authorId=55201442200 **ID: 5201442200**

ResearchGate: https://www.researchgate.net/profile/Anand_Nayyar

ORCID: https://orcid.org/0000-0002-9821-6146

EXALY: https://exaly.com/author/7095485/anand-nayyar/

Citations: 25300+; H-Index: 82; I-Index: 338 (Google Scholar)

Citations: 15000+; H-Index: 64; (Scopus); D-Index: 64 (Research.com)

Citations: 7400+; H-Index: 45 (Web of Science)

Cumulative Impact Factor: 903 (SCIE+SSCI+SCI+ESCI) (Dated: June 2026)

International Conference's

IEEE Xplore (SCOPUS INDEXED)

1. **Simulation Based Evaluation of Reactive Routing Protocol for MANET. 2nd International Conference on Advanced Computing and Communication Technologies (ACCT'12) organized by RG Education Society, Rohtak. (CD-Version)- CD-ISBN NO: 978-0-7695-4640-7.**

Research Paper Published: CS Digital Library: IEEE Computer Society
IEEE Computer Society Link:
http://www.computer.org/csdl/proceedings/acct/2012/4640/00/4640a561-abs.html
ISBN No: 978-1-4673-0471-9
IEEE Catalogue No: CFP1203S-PRT
DOI: http://doi.ieeecomputersociety.org/10.1109/ACCT.2012.104
(SCOPUS INDEXED)

2. **A Review of De-Facto MAC Standard: IEEE 802.11 DCF. 4th International Conference on Advanced Computing and Communication Technologies (ACCT'14) organized by RG Education Society, Rohtak. (CD-Version) CD-ISBN NO: 978-1-4799-4910-6**

Research Paper Published: CS Digital Library: IEEE Computer Society
IEEE Computer Society Link:
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6783481&queryText%3DA+Review+of+De-Facto+MAC+Standard%3A+IEEE+802.11+DCF
(SCOPUS INDEXED)
DOI: 10.1109/ACCT.2014.19.

3. **A Novel Defense Mechanism via Genetic Algorithm for Counterfeiting and Combating Jelly Fish Attack in Mobile Adhoc Networks (MANETS). IEEE Sponsored Confluence 2014: The Next Generation Information Technology Summit being organized by Amity University, Noida (U.P), India.**
   Published in: Confluence the Next Generation Information Technology Summit (Confluence), 2014 5th International Conference. Page: 354-358; Print ISBN: 978-1-4799-4237-4; INSPEC Accession Number: 14737157; DOI: 10.1109/CONFLUENCE.2014.6949279.
   Link of IEEE:
   http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=6949279&punumber%3D6937353%26sortType%3Dasc_p_Sequence%26filter%3DAND%28p_IS_Number%3A6949036%29%26pageNumber%3D3

4. **Enhancement in DDCSA for Improving Power Consumption and Network Lifetime of Wireless Sensor Networks using Geographical Forwarding via Face Routing Technique. IEEE Sponsored Confluence 2014: The Next Generation Information Technology Summit being organized by Amity University, Noida (U.P), India.**

   Published in: Confluence the Next Generation Information Technology Summit (Confluence), 2014 5th International Conference. Page: 359-364; Print ISBN: 978-1-4799-4237-4; INSPEC Accession Number: 14737121; DOI: 10.1109/CONFLUENCE.2014.6949280

   Link of IEEE:

http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6949280&punumber%3D6937353%26sortType%3Dasc_p_Sequence%26filter%3DAND%28p_IS_Number%3A6949036%29%26pageNumber%3D3

(SCOPUS INDEXED)

5. **A Review of Beaglebone Smart Board's- A Linux/Android Powered Low Cost Development Platform based on ARM Technology. 2015 9th International Conference on Future Generation Communication and Networking (FGCN 2015) being organized by Jeju National University International Center, Jeju Island, Korea. (Conference Proceedings) Proceedings of 2015 9th International Conference on Future Generation Communication and Networking (FGCN 2015). ISBN No: 978-1-4673-9834-3/15. DOI No: 10.1109/FGCN.2015.23. Page No: 55-63**

IEEE

Proceedings of 2015 9th International Conference on Future Generation Communication and Networking (FGCN 2015)
IEEE Computer Society Order Number: P5729
BMS Part No: CFP1534D-CDR
ISBN No: 978-1-4673-9834-3/15
Link of IEEE:
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7434875&filter%3DAND%28p_IS_Number%3A7434853%29

6. **10th INDIACom 2016: 3rd International Conference on Computing for Sustainable Global Development (IEEE Sponsored & IEEE Xplore Indexed Conference), Conference ID: 37465**

Research Paper Presented:

- **Ant Colony Optimization- Computational Swarm Intelligence Technique.**
- **A Review of Arduino Boards, Lilypad's and Arduino Shields.**
- **Real Time Smart Home Automation Based on PIC Microcontroller, Bluetooth and Arduino Technology**

Research Paper Published: Full Paper Conference Proceedings of 10Th INDIACom, 2016 3rd International Conference on Computing for Sustainable Global Development. ISSN No: 0973-7529, ISBN No: 978-93-80544-20-5.

- **Ant Colony Optimization- Computational Swarm Intelligence Technique. pp: 2404-2410**
- **A Review of Arduino Boards, Lilypad's and Arduino Shields. pp: 2368-2375**
- **Real Time Smart Home Automation Based on PIC Microcontroller, Bluetooth and Arduino Technology. pp: 2361-2367**

IEEE Xplore Indexing:
ISBN No: 978-9-3805-4421-2/16

1. **Ant Colony Optimization- Computational Swarm Intelligence Technique. pp: 1493-1499.**

   http://ieeexplore.ieee.org/document/7724515/
2. **A Review of Arduino Boards, Lilypad's and Arduino Shields. pp: 1485-1492. http://ieeexplore.ieee.org/document/7724514/**
3. **Real Time Smart Home Automation Based on PIC Microcontroller, Bluetooth and Arduino Technology. pp: 1478-1484. http://ieeexplore.ieee.org/document/7724513/**

(SCOPUS INDEXED)

7. **International Conference on Advances in Big Data, Computing and Data Communication Systems (icABCD 2018) being organized by IEEE South Africa Section Computer Society Chapter, IEEE Mauritius Section and Durban University of Technology, Durban South Africa.**

Flying Adhoc Network (FANETs): Simulation Based Performance Comparison of Routing Protocols: AODV, DSDV, DSR, OLSR, AOMDV and HWMP

Research Paper Published:

Flying Adhoc Network (FANETs): Simulation Based Performance Comparison of Routing Protocols: AODV, DSDV, DSR, OLSR, AOMDV and HWMP

Paper Details:

IEEE Xplore Proceedings- 2018 International Conference on Advances in Big Data, Computing and Data Communication Systems (icABCD 2018). IEEE Conference Number: 41997. Scopus Indexed

E-ISBN: 978-1-5386-3060-0

PoD (Print on Demand) ISBN: 978-1-5386-3061-7

DOI: 10.1109/ICABCD.2018.8465130

Web Link: https://ieeexplore.ieee.org/document/8465130

(SCOPUS INDEXED)

8. **2018 International Conference on Intelligent and Innovative Computing Applications (ICONIC 2018) being organized at Hotel Holiday Inn, Mon Tresor, Plaine Magnien, Mauritius.**

Comprehensive Analysis of Routing Protocols for Cognitive Radio Ad-Hoc Networks (CRAHNs)

Research Paper Published

IEEE Xplore Proceedings: 2018 International Conference on Intelligent and Innovative Computing Applications (ICONIC 2018). (SCOPUS INDEXED)

Publisher: IEEE

ISBN Details: E-ISSN: 978—5386-6477-3; USB ISBN: 978-1-5386-6476-6; Print on Demand (PoD): 978-1-5386-6478-0

DOI: 10.1109/ICONIC.2018.8601301

Pages: 1-7

9. **2018 4th International Conference on Computing Sciences (ICCS) being organized at Lovely Professional University (LPU), Jalandhar, Punjab.**

Internet of Robotic Things: Driving Intelligent Robotics of Future- Concept, Architecture, Applications and Technologies

Publisher: IEEE

IEEE Xplore Proceedings: 2018 4th International Conference on Computing Sciences (ICCS)

ISBN: - Electronic ISBN: 978-1-5386-8025-4; Print on Demand (PoD)—978-1-5386-8026-1

DOI: 10.1109/ICCS.2018.00033

Pages: 151-160

10. **IEEE Global Communications Conference (IEEE GlobeCom 2018) being organized at Abu Dhabi, UAE.**

- **BHEEM: A Blockchain based framework for securing Electronic Health records**

Link: https://ieeexplore.ieee.org/abstract/document/8644088

Publisher: IEEE

IEEE Xplore Proceedings: 2018 Globecom Workshops (GC Wkshps)

DOI: 10.1109/GLOCOMW.2018.8644088

Electronic ISBN: 978-1-5386-4920-6

USB ISBN: 978-1-5386-6977-8

Print on Demand (PoD) ISBN: 978-1-5386-4921-3

- **Data Consumption- Aware Load Forecasting scheme for Smart Grid Systems**

Link: https://ieeexplore.ieee.org/abstract/document/8644096

Publisher: IEEE

IEEE Xplore Proceedings: 2018 Globecom Workshops (GC Wkshps)

DOI: 10.1109/GLOCOMW.2018.8644096

Electronic ISBN: 978-1-5386-4920-6

USB ISBN: 978-1-5386-6977-8

Print on Demand (PoD) ISBN: 978-1-5386-4921-3

11. **2018 International Conference on System Modeling & Advancement in Research Trends (SMART) being organized at Moradabad, U.P., India.**

- **Distributed Big Data Analytics in the Internet of Signals**

  Link: https://ieeexplore.ieee.org/abstract/document/8746983

  Publisher: IEEE

  IEEE Xplore Proceedings: 2018 International Conference on System Modeling & Advancement in Research Trends (SMART)

  DOI: 10.1109/SYSSMART.2018.8746983

  Electronic ISBN: 978-1-5386-6369-1

  USB ISBN: 978-1-5386-6368-4

  Print on Demand (PoD) ISBN: 978-1-5386-6370-7

  pp: 73-77

- **Predicting Employee Attrition using XGBoost Machine Learning Approach**

  Link: https://ieeexplore.ieee.org/abstract/document/8746940

  Publisher: IEEE

  IEEE Xplore Proceedings: 2018 International Conference on System Modeling & Advancement in Research Trends (SMART)

  DOI: 10.1109/SYSSMART.2018.8746940

  Electronic ISBN: 978-1-5386-6369-1

  USB ISBN: 978-1-5386-6368-4

  Print on Demand (PoD) ISBN: 978-1-5386-6370-7

  pp: 113-120

12. **2019- 9th International Conference on Cloud Computing, Data Science and Engineering (Confluence 2019) being organized at Amity University, Noida, India.**

Movie Recommender System using K-Means Clustering AND K-Nearest Neighbor

Link: https://ieeexplore.ieee.org/document/8776969

Publisher: IEEE

IEEE Xplore Proceedings: 2019 9th International Conference on Cloud Computing, Data Science and Engineering (Confluence 2019)

DOI: 10.1109/CONFLUENCE.2019.8776969

Electronic ISBN: 978-1-5386-5933-1

CD-ROM ISBN: 978-1-5386-5932-8

Print on Demand (PoD) ISBN: 978-1-5386-5934-2

pp: 263-268

13. **2020 International Conference on Artificial Intelligence, Big Data, Computing and Data Communication Systems (icABCD 2020) being organized at Durban, KwaZulu Natal, South Africa.**

- **Object detection based approach for Automatic detection of Pneumonia**

Link: https://ieeexplore.ieee.org/document/9183876

Publisher: IEEE

IEEE Xplore Proceedings: 2020 International Conference on Artificial Intelligence, Big Data, Computing and Data Communication Systems (icABCD 2020)

DOI: 10.1109/icABCD49160.2020.9183876

Electronic ISBN: 978-1-7281-6770-1

USB ISBN: 978-1-7281-6769-5

Print on Demand(PoD) ISBN: 978-1-7281-6771-8

Pages: 6 Pages

- **Sigmoidal Salp Swam Optimization**

Link: https://ieeexplore.ieee.org/document/9183825

Publisher: IEEE

IEEE Xplore Proceedings: 2020 International Conference on Artificial Intelligence, Big Data, Computing and Data Communication Systems (icABCD 2020)

DOI: 10.1109/icABCD49160.2020.9183825

Electronic ISBN: 978-1-7281-6770-1

USB ISBN: 978-1-7281-6769-5

Print on Demand(PoD) ISBN: 978-1-7281-6771-8

Pages: 6 Pages

14. 2020 7th NAFOSTED Conference on Information and Computer Science (NICS 2020) being organized in Ho Chi Minh City, Viet Nam

Research Paper Presented:

Improving Recommendation Accuracy using Cross-domain Similarity

Proceedings Link: https://ieeexplore.ieee.org/xpl/conhome/9335828/proceeding

Link: https://ieeexplore.ieee.org/abstract/document/9335913

Publisher: IEEE

IEEE Xplore Proceedings: 2020 7th NAFOSTED Conference on Information and Computer Science (NICS)

DOI: 10.1109/NICS51282.2020.9335913

Electronic ISBN: 978-0-7381-0553-6

USB ISBN: 978-0-7381-0552-9

Print on Demand(PoD) ISBN: 978-0-7381-0554-3

Pages: 280-285

15. **2021- 7th International Conference on Optimization and Applications (ICOA 2021) being organized at Wolfenbuttel, Germany.**

Research Paper Presented:

Predicting Device Availability in Mobile Crowd Computing using ConvLSTM

Proceedings Link: https://ieeexplore.ieee.org/xpl/conhome/9442615/proceeding

Link: https://ieeexplore.ieee.org/abstract/document/9442629

Publisher: IEEE

IEEE Xplore Proceedings: 2021- 7th International Conference on Optimization and Applications (ICOA 2021)

DOI: 10.1109/ICOA51614.2021.9442629

Electronic ISBN: 978-1-6654-4103-2

Print on Demand (PoD) ISBN: 978-1-6654-4103-2

IEEE Catalog Number: CFP21DBA-ART

Pages: 275-279

16. **2020 8TH International Conference on Orange Technology (ICOT 2020) being organized by Kyungpook National University, Daegu, South Korea.**

Research Paper Presented:

Mitigating Sparsity and Cold Start Problem in Collaborative Filtering Using Cross-domain similarity

Proceedings Link: https://ieeexplore.ieee.org/xpl/conhome/9468715/proceeding

Link: https://ieeexplore.ieee.org/document/9468770

Publisher: IEEE

IEEE Xplore Proceedings: 2020 8th International Conference on Orange Technology (ICOT 2020)

DOI: 10.1109/ICOT51877.2020.9468770

Electronic ISBN: 978-1-6654-1852-2

Print on Demand (PoD) ISBN: 978-1-6654-4818-5

Pages: 1-6

17. **2024 First International Conference on Technological Innovations and Advance Computing (TIACOMP 2024) being organized at Bali, Indonesia.**

Research Paper Presented:

A Novel Energy-Efficient Offloading Protocol for UAV NOMA Mobile Edge Computing Networks

Proceedings Link: https://ieeexplore.ieee.org/xpl/conhome/10742634/proceeding

Paper Link: https://ieeexplore.ieee.org/document/10742796

Publisher: IEEE

IEEE Xplore Proceedings: 2024 First International Conference on Technological Innovations and Advance Computing (TIACOMP)

DOI: 10.1109/TIACOMP64125.2024.00021

Electronic ISBN:979-8-3503-9211-1

Print on Demand (PoD) ISBN:979-8-3503-9212-8

Pages: 64-69

BEST PAPER AWARD

A Novel Energy-Efficient Offloading Protocol for UAV NOMA Mobile Edge Computing Networks under Session IV- Advanced Computational Techniques and Security in Data Science and Web Technology

18. **2024 10th International Conference on Optimization and Applications (ICOA 2024) being organized at Almeria, Spain**

Research Paper Presented:

Comparison of Silver and Gold Based Plasmonic Square Ring Resonator with MIM Waveguide

Proceedings Link: https://ieeexplore.ieee.org/xpl/conhome/10753641/proceeding

Paper Link: https://ieeexplore.ieee.org/document/10754538

Publisher: IEEE

IEEE Xplore Proceedings: 2024 10th International Conference on Optimization and Application (ICOA 2024). DOI: 10.1109/ICOA62581.2024.10754538. Electronic ISBN: Electronic ISBN:979-8-3503-8735-3; Print on Demand (PoD) ISBN:979-8-3503-8736-0; Electronic ISSN: 2768-6388; Print on Demand (PoD) ISSN: 2768-6353

19. **2025 International Conference on Next Generation Computing Systems (ICNGCS 2025) being organized by PSG Institute of Technology and Applied Research, India.**

Research Paper Presented:

Healthcare for Chronic Wound Management in Leprosy Patients

Proceedings Link: https://ieeexplore.ieee.org/xpl/conhome/11182623/proceeding

Paper Link: https://ieeexplore.ieee.org/document/11183359

DOI: 10.1109/ICNGCS64900.2025.11183359

Publisher: IEEE

IEEE Xplore Proceedings: 2025 International Conference on Next Generation Computing Systems (ICNGCS 2025). DOI: 10.1109/ICNGCS64900.2025.

Electronic ISBN:979-8-3315-9116-8

Print on Demand (PoD) ISBN:979-8-3315-9117-5

Pages: 1-8

20. **The 2nd International Conference on Cryptography and Information Security (VCRIS 2025) being organized by Academy of Cryptography, Hanoi, Viet Nam.**

Research Paper Presented:

Q-SafeAV: Quantum-enabled Secure Intra-Sensor Communication Framework for AVs

Proceedings Link: https://ieeexplore.ieee.org/xpl/conhome/11250525/proceeding

Paper Link: https://ieeexplore.ieee.org/document/11250520

DOI: 10.1109/VCRIS68011.2025.11250520

Publisher: IEEE

IEEE Xplore Proceedings: 2025 International Conference on Cryptography and Information Security (VCRIS 2025).

Electronic ISBN:979-8-3315-6687-6

Pages: 1-7

21. **2026 IEEE 6th International Conference on Computing, Power and Communication Technologies (IC2PCT 2026) being organized at Galgotias University, India**

Research Paper Presented

From Detection to Decision Support: A Hybrid CNN-Transformer Model for Early Lung Cancer Screening

Proceedings Link: https://ieeexplore.ieee.org/xpl/conhome/11581444/proceeding

Paper Link: https://ieeexplore.ieee.org/abstract/document/11584483

DOI: 10.1109/IC2PCT68894.2026.11584483

Publisher: IEEE

IEEE Xplore Proceedings: 2026 IEEE 6th International Conference on Computing, Power and Communication Technologies (IC2PCT 2026)

Electronic ISBN:979-8-3195-3059-2

Print on Demand(PoD) ISBN:979-8-3195-3060-8

Pages: 1103-1108

International Conference's
Springer (SCOPUS INDEXED)

1. **4th International Conference on Information System Design and Intelligent Applications (India 2017) being organized at Duy Tan University, Da Nang, Vietnam.**

Smart Surveillance Robot for Real-Time Monitoring and Control System in Environment and Industrial Applications.

Springer Book: Information Systems Design and Intelligent Applications under Advances in Intelligent Systems and Computing (AISC, Volume 672)

DOI: https://doi.org/10.1007/978-981-10-7512-4_23

Print ISBN: 978-981-10-7511-7

Online ISBN: 978-981-10-7512-4

Publisher: Springer, Singapore

Pages: 229-243

Online Link: https://link.springer.com/chapter/10.1007/978-981-10-7512-4_23

(SCOPUS INDEXED)

2. **3rd International Conference on Next Generation Computing Technologies (NGCT 2017) being organized by University of Petroleum and Energy Studies (UPES), Dehradun, India.**

IEEMARP: Improvised Energy Efficient Multipath Ant Colony Based Routing Protocol for Wireless Sensor Networks

Springer Book: Smart and Innovative Trends in Next Generation Computing Technologies under Communications in Computing and Information Science (CCIS Series)- PART-II (Scopus Indexed)

DOI: https://doi.org/10.1007/978-981-10-8660-1_1

Soft Cover ISBN: 978-981-10-8659-5

eBook ISBN: 978-981-10-8660-1

Series ISSN: 1865-0929

Pages: 3-24 , Edition: I

Online Link: https://link.springer.com/chapter/10.1007%2F978-981-10-8660-1_1
(SCOPUS INDEXED)

3. **2ND International Conference on Data Management, Analytics and Innovation (ICDMAI 2018) being jointly organized by Computer Society of India-Division II; Computer Society of India, Pune Chapter and Adhyogik Tantra Shikshan Sanstha's, Institute of Industrial and Computer Management and Research, Pune (IICMR).**

   - **Comprehensive Analysis of Routing Protocols Surrounding Underwater Sensor Networks (UWSNs)**
   - **Artificial Bee Colony Optimization- Population-Based Meta-Heuristic Swarm Intelligence Technique**
   - **Firefly Swarm: Metaheuristic Swarm Intelligence Technique for Mathematical Optimization**
   - **Defending Jellyfish Attack in Mobile Ad Hoc Networks via Novel Fuzzy System Rule**
   - **A Comprehensive Survey on Ransomware Attack: A Growing Havoc Cyberthreat**

Springer AISC Series- Data Management, Analytics and Innovation- Proceedings of ICDMAI 2018, Volume 1 (Scopus Indexed)

Publisher: Springer, Singapore

DOI: 10.1007/978-981-13-1402-5

eBook ISBN No: 978-981-13-1402-5

Soft Cover ISBN No: 978-981-13-1401-8

Series ISSN: 2194-5357

Edition: 1

Comprehensive Analysis of Routing Protocols Surrounding Underwater Sensor Networks (UWSNs)

DOI: https://doi.org/10.1007/978-981-13-1402-5_33

pp: 435-450

Springer AISC Series- Data Management, Analytics and Innovation- Proceedings of ICDMAI 2018, Volume 2 (Scopus Indexed)

Publisher: Springer, Singapore

eBook ISBN: 978-981-13-1274-8

DOI: 10.1007/978-981-13-1274-8

Softcover ISBN: 978-981-13-1273-1; Series ISSN: 2194-5357; Edition: 1

A Comprehensive Survey on Ransomware Attack: A Growing Havoc Cyberthreat

DOI: https://doi.org/10.1007/978-981-13-1274-8_31

pp: 403-420

Defending Jellyfish Attack in Mobile Ad Hoc Networks via Novel Fuzzy System Rule

DOI: https://doi.org/10.1007/978-981-13-1274-8_33

pp: 437-455

Firefly Swarm: Metaheuristic Swarm Intelligence Technique for Mathematical Optimization

DOI: https://doi.org/10.1007/978-981-13-1274-8_34

pp: 457-466

Artificial Bee Colony Optimization- Population-Based Metaheuristic Swarm Intelligence Technique

DOI: https://doi.org/10.1007/978-981-13-1274-8_38

pp: 513-525

(SCOPUS INDEXED)

4. **International Conference on Innovative Computing and Communications (ICICC -2018) being organized at Guru Nanak Institute of Management, New Delhi.**
   - **BioSenHealth 1.0: A Novel Internet of Medical Things (IoMT)-Based Patient Monitoring System**
   - **Analysis of Simulation Tools for Underwater Sensor Networks (UWSNs)**
   - **Arrhenius Artificial Bee Colony Algorithm**

Research Papers Published:

- **BioSenHealth 1.0: A Novel Internet of Medical Things (IoMT)-Based Patient Monitoring System. Pages: 155-164. DOI: https://doi.org/10.1007/978-981-13-2324-9_16.**
- **Analysis of Simulation Tools for Underwater Sensor Networks (UWSNs). Pages: 165-180. DOI: https://doi.org/10.1007/978-981-13-2324-9_17**

Proceedings of ICICC 2018, Volume 1 under Springer Book Series- Lecture Notes in Networks and Systems (LNCS). DOI: 10.1007/978-981-13-2324-9.

eBook ISBN: 978-981-13-2324-9; Series ISSN: 2367-3370; Edition: 1; Series Volume: 55

https://www.springer.com/gp/book/9789811323232

- **Arrhenius Artificial Bee Colony Algorithm. Pages: 187-195. DOI: https://doi.org/10.1007/978-981-13-2354-6_21.**

Proceedings of International Conference on Innovative Computing and Communications (ICICC 2018), Volume 2. Lecture Notes in Networks and Systems. Volume 56.

eBook ISBN: 978-981-13-2354-6. DOI:10.1007/978-981-13-2354-6. Series ISSN:2367-3370. Edition 1

https://www.springer.com/us/book/9789811323539

(SCOPUS INDEXED)

5. **International Conference on Industrial Networks and Intelligent Systems (INISCOM 2018) being organized by Duy Tan University, Da Nang, Vietnam**

- **Logarithmic Spiral Based Local Search in Artificial Bee Colony Algorithm**
- **Wireless Power Transfer Under Secure Communication with Multiple Antennas and Eavesdroppers**
- **Smart-IoUT 1.0: A Smart Aquatic Monitoring Network based on Internet of Underwater Things (IoUT)**

Springer Proceedings---Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (Scopus Indexed)

Publication Details

Edited Book: Industrial Networks and Intelligent Systems (Title); 14th EAI International Conference, INISCOM 2018 (Sub Title); Series Volume: 257; eBook ISBN No: 978-3-030-05873-9; Softcover ISBN: 978-3-030-05872-2; Series ISSN: 1867-8211; Edition: 1

Papers Publications

- **Logarithmic Spiral Based Local Search in Artificial Bee Colony Algorithm**

  DOI: https://doi.org/10.1007/978-3-030-05873-9_2 pp: 15-27

- **Smart-IoUT 1.0: A Smart Aquatic Monitoring Network Based on Internet of Underwater Things (IoUT)**

  DOI: https://doi.org/10.1007/978-3-030-0873-9_16 pp: 191-207

- **Wireless Power Transfer Under Secure Communication with Multiple Antennas and Eavesdroppers**

  DOI: https://doi.org/10.1007/978-3-030-058732-9_17 pp: 208-220

(SCOPUS INDEXED)

6. **7th International Conference on Frontiers of Intelligent Computing: Theory and Application (FICTA 2018) being organized at Duy Tan University, Da Nang, Viet Nam.**

   Robot Path Planning using Modified Artificial Bee Colony Algorithm

   Springer Proceedings: Advances in Intelligent Systems and Computing (AISC) (Scopus Indexed)

   Publication Details: Frontiers in Intelligent Computing: Theory and Applications- Proceedings of the 7th International Conference on FICTA (2018), Volume 2; ISBN 978-981-13-9920-6

   Paper Publication Details:

Robot Path Planning using Modified Artificial Bee Colony Algorithm. pp: 25-36

DOI: https://link.springer.com/chapter/10.1007%2F978-981-13-9920-6_3

Print ISBN: 978-981-13-9919-0; Online ISBN: 978-981-13-9920-6

(SCOPUS INDEXED)

7. **3rd International Conference on Advanced Informatics for Computing Research (ICAICR-2019) being organized at Club Mahindra Kandaghat, Shimla, India.**

   Human Age Classification System Using K-NN Classifier

Springer Proceedings—Communications in Computer and Information Science (CCIS Series) (Scopus Indexed)

Edited Book: Advanced Informatics for Computing Research (AICR); Third International Conference on Advanced Informatics for Computing Research (ICAICR 2019); CCIS Book Series, Volume: 1075

Paper Publication Details:

Human Age Classification System Using K-NN Classifier. pp: 294-311

DOI: https://link.springer.com/chapter/10.1007/978-981-15-0108-1_28

Print ISBN: 978-981-15-0107-4; Online ISBN: 978-981-15-0108-1

Online Link: https://link.springer.com/chapter/10.1007/978-981-15-0108-1_28

(SCOPUS INDEXED)

8. **3rd International Conference on Data Management, Analytics and Innovation (ICDMAI-2019) being organized at Lincoln University College, Malaysia.**

Research Papers Presented:

- **Empirical Study of Soft Clustering Technique for Determining Click Through Rate in Online Advertising.**
- **FacTex: A Practical Approach to Crime Detection**
- **Simulation-Based Performance Analysis of Location-Based Opportunistic Routing Protocols in Underwater Sensor Networks Having Communication Voids.**
- **Effective Classification and Handling of Incoming Data Packets in Mobile Ad Hoc Networks (MANETs) Using Random Forest Ensemble Technique (RF/ET).**

Research Papers Published:

Full Conference proceedings titled "Data Management, Analytics and Innovation", Proceedings of ICDMAI 2019, Volume 1 and 2, under Springer Series – Advances in Intelligent Systems and Computing (AISC), Volume 1042, 1016 by Springer, Scopus Indexed.

Details of Publications:

Data Management, Analytics and Innovation. ICDMAI 2019, Volume 1, AISC-VOLUME 1042.

- **Empirical Study of Soft Clustering Technique for Determining Click Through Rate in Online Advertising. DOI: https://doi.org/10.1007/978-981-32-9949-8_1. pp: 3-14**

  https://link.springer.com/chapter/10.1007%2F978-981-32-9949-8_1

- **Factex: A Practical Approach to Crime Detection. DOI: https://doi.org/10.1007/978-981-32-9949-8_35. pp: 503-516**

  https://link.springer.com/chapter/10.1007%2F978-981-32-9949-8_35

- **Simulation-Based Performance Analysis of Location-Based Opportunistic Routing Protocols in Underwater Sensor Networks Having Communication Voids. https://doi.org/10.1007/978-981-32-9949-8_49. pp: 697-711.**

  https://link.springer.com/chapter/10.1007%2F978-981-32-9949-8_49

Data Management, Analytics and Innovation. ICDMAI 2019, Volume 2, AISC- VOLUME 1016.

- **Effective Classification and Handling of Incoming Data Packets in Mobile Ad Hoc Networks (MANETs) Using Random Forest Ensemble Technique (RF/ET). https://doi.org/10.1007/978-981-13-9364-8_31. pp: 431-444.**

  https://link.springer.com/chapter/10.1007%2F978-981-13-9364-8_31

BEST PAPER AWARD

Effective Classification and Handling of Incoming Data Packets in Mobile Ad Hoc Networks (MANETs) Using Random Forest Ensemble Technique (RF/ET) under Track-IV- Advances in Network Technologies

(SCOPUS INDEXED)

9. **First International Conference on Sustainable Technologies for Computational Intelligence (ICTSCI 2019) being organized at Sri Balaji College of Engineering and Technology, Jaipur, Rajasthan.**

Research Paper presented:

The Internet of Drone Things (IoDT): Future Envision of Smart Drones

Research Paper Published:

Springer- Advances in Intelligent Systems and Computing (AISC) Volume 1045, First International Conference on Sustainable Technologies for Computational Intelligence (ICTSCI 2019)- SCOPUS Indexed. ISBN No: 978-981-15-0028-2; E-ISBN: 978-981-15-0029-9

The Internet of Drone Things (IoDT): Future Envision of Smart Drones

https://link.springer.com/chapter/10.1007/978-981-15-0029-9_45.

DOI: https://doi.org/10.1007/978-981-15-0029-9_45. PP: 563-580

(SCOPUS INDEXED)

10. **First International Conference on Computing, Communications, and Cyber Security (IC4S 2019) being organized at Northwest Group of Institutions, Punjab.**

Research Paper Presented:

- **Multilingual Opinion Mining Movie Recommendation System Using RNN**
- **Pneumonia Detection Using Convolutional Neural Networks (CNNs)**

Research Paper Published:

Springer- Lecture Notes in Networks and Systems (LNNS) Volume 121, First International Conference on Computing, Communications, and Cyber Security (IC4S 2019)- Softcover ISBN: 978-981-15-3368-6; Series ISSN: 2367-3370; Edition Number:1; eBook ISBN: 978-981-15-3369-3; Publisher: Springer Singapore

Multilingual Opinion Mining Movie Recommendation System Using RNN

https://link.springer.com/chapter/10.1007%2F978-981-15-3369-3_44

DOI: https://doi.org/10.1007/978-981-15-3369-3_4 4; Pages: 589-605

Pneumonia Detection Using Convolutional Neural Networks (CNNs)

https://link.springer.com/chapter/10.1007%2F978-981-15-3369-3_36

DOI: https://doi.org/10.1007/978-981-15-3369-3_36 Pages: 471- 483

(SCOPUS INDEXED)

11. **Second International Conference on Information Management and Machine Intelligence (ICIMMI 2020) being Organized by Poornima University, Rajasthan, India**

Research Paper Presented:

Evaluation of Geotagging Twitter Data Using Sentiment Analysis During COVID-19

Research Paper Published:

Springer- Lecture Notes in Networks and Systems book series (LNNS), Volume 166. Proceedings of the Second International Conference on Information Management and Machine Intelligence (ICIMMI 2020). DOI: https://doi.org/10.1007/978-981-15-9689-6 . Print ISBN: 978-981-15-9688-9; Online ISBN: 978-981-15-9689-6; Series Online ISSN: 2367-3389; Print ISSN: 2367-3370.

Evaluation of Geotagging Twitter Data Using Sentiment Analysis During COVID-19

https://link.springer.com/chapter/10.1007/978-981-15-9689-6_65; DOI: https://doi.org/10.1007/978-981-15-9689-6_65 pp: 601-608 (SCOPUS INDEXED)

12. **2ND International Conference on Computing, Communication and Cyber Security (IC4S 2020) being organized at Krishna Engineering College, Ghaziabad, India.**

    Research Paper Presented:

    Face Mask Detection using Deep Learning during COVID-19

    Research Paper Published:

    Springer- Lecture Notes in Networks and Systems (LNNS) Book Series. Series Volume: 203. Proceedings of Second International Conference on Computing, Communications and Cyber Security (IC4S 2020). DOI: 10.1007/978-981-16-0733-2. E-Book ISBN: 978-981-16-0733-2; Softcover ISBN: 978-981-16-0732-5. Series ISSN: 2367-3370

    Face Mask Detection using Deep Learning during COVID-19

    https://link.springer.com/chapter/10.1007%2F978-981-16-0733-2_3

    DOI: https://doi.org/10.1007/978-981-16-0733-2_3 .pp.: 39-51

(SCOPUS INDEXED)

13. **Third International Conference on Future Trends in Network and Communication Technologies (FTNCT 2020) being organized in Taganrog, Russia.**

Research Paper Presented:

Time Series Forecasting for Coronavirus (COVID-19)

Research Paper Published:

Springer- Communications in Computer and Information Science (CCIS) Book Series. Series Volume: 1396. Proceedings of Third International Conference Futuristic Trends in Network and Communication Technologies. DOI: 10.1007/978-981-16-1483-5. E-Book ISBN: 978-981-16-1483-5; Softcover ISBN: 978-981-16-1482-8. Series ISSN: 1865-0929

https://www.springerprofessional.de/en/time-series-forecasting-for-coronavirus-covid-19/19021790

DOI: https://doi.org/10.1007/978-981-16-1480-4_27. pp: 309-320

(SCOPUS INDEXED)

14. 4th International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE 2020) being organized at SRM Institute of Science and Technology, U.P, India

Research Papers Presented:

- **Optimization of the CNN Model for Hand Sign Language Recognition Using Adam Optimization Technique**
- **Hybrid Spectrum Access Strategy for Throughput Enhancement of Cognitive Radio Network**
- **Speech Emotion Recognition Through Extraction of Various Emotional Features Using Machine and Deep Learning Classifiers**

Research Papers Published:

Springer Edited Book: Micro-Electronics and Telecommunication Engineering—Lecture Notes in Networks and Systems. Series Volume: 179. E-book ISBN: 978-981-334-687-1. DOI: 10.1007/978-981-33-4687-1. Soft Cover ISBN: 978-981-334-686-4. Series ISSN: 2367-3370. https://www.springer.com/gp/book/9789813346864

- **Optimization of the CNN Model for Hand Sign Language Recognition Using Adam Optimization Technique**

  Link: https://link.springer.com/chapter/10.1007/978-981-33-4687-1_10. DOI: https://doi.org/10.1007/978-981-33-4687-1_10. Chapter-10. pp: 89-104

- **Hybrid Spectrum Access Strategy for Throughput Enhancement of Cognitive Radio Network**

  Link: https://link.springer.com/chapter/10.1007/978-981-33-4687-1_11 DOI: https://doi.org/10.1007/978-981-33-4687-1_11. Chapter-11. pp: 105-122

- **Speech Emotion Recognition Through Extraction of Various Emotional Features Using Machine and Deep Learning Classifiers**

  Link: https://link.springer.com/chapter/10.1007/978-981-33-4687-1_12 DOI: https://doi.org/10.1007/978-981-33-4687-1_12 . Chapter-12. pp: 123-140

  (SCOPUS INDEXED)

15. 4th International Conference on Advanced Informatics for Computing Research (ICAICR 2020) being organized in Gurugram, India.

Research Papers Presented:

- **Smart PDM: A Novel Smart Meter for Design Measurement and Data Collection for Smart Grid.**
- **Detection and Classification of Toxic Comments by Using LSTM and Bi-LSTM Approach.**
- **Transfer Learning to Improve Breast Cancer Detection on Unannotated Screening Mammography.**

Research Papers Published:

Springer Edited Book: 4th International Conference on Advanced Informatics for Computing Research—Communications in Computing and Information Science Series Volume: 1393 and 1394. E-book ISBN: 978-981-16-3660-8. Print ISBN: 978-981-16-3659-2 DOI: 10.1007/978-981-16-3660-8. Series ISSN: 1865-0929; 1865-0937.

https://link.springer.com/book/10.1007/978-981-16-3660-8

https://link.springer.com/book/10.1007/978-981-16-3653-0

- **Smart PDM: A Novel Smart Meter for Design Measurement and Data Collection for Smart Grid. Chapter-4. CCIS-1394, DOI: https://doi.org/10.1007/978-981-16-3653-0_4 . pp: 37-58**
- **Detection and Classification of Toxic Comments by Using LSTM and Bi-LSTM Approach. Chapter-10. CCIS-1393, DOI: https://doi.org/10.1007/978-981-16-3660-8_10 . pp: 100-112**
- **Transfer Learning to Improve Breast Cancer Detection on Unannotated Screening Mammography. Chapter-53. CCIS-1393, DOI: https://doi.org/10.1007/978-981-16-3660-8_53. pp. 563-576**

(SCOPUS INDEXED)

16. International Conference on Optical and Wireless Technologies (OWT) being organized at Jaipur, India.

Research Paper Presented:

- **Dispersion Engineered $AsSe_2$ Based Chalcogenide Photonic Crystal Fiber for MIR Region Supercontinuum Generation**

Dispersion Engineered $AsSe_2$ Based Chalcogenide Photonic Crystal Fiber for MIR Region Supercontinuum Generation. https://link.springer.com/chapter/10.1007/978-981-16-2818-4_34 . https://doi.org/10.1007/978-981-16-2818-4_34. Pages: 311-319

(SCOPUS INDEXED)

17. International Conference on Soft Computing for Security Applications (ICSCS 2021) being organized at Dhirajlal Gandhi College of Engineering, Salem, India.

Research Paper Presented:

- **Improved Genetic Algorithm Using Machine Learning Approaches to Feature Modelled for Microarray Gene Data**

Publication Link: https://link.springer.com/chapter/10.1007/978-981-16-5301-8_60

DOI: https://doi.org/10.1007/978-981-16-5301-8_60

Pages: 859-872

Research Paper Published:

Springer Edited Book: Proceedings of Soft Computing for Security Application (ICSCS 2021) under Advances in Intelligent Systems and Computing. ISBN: 978-981-16-5300-1 (Hard Copy); 978-981-16-5301-8 (E-Book). https://link.springer.com/book/10.1007/978-981-16-5301-8#about. DOI: 10.1007/978-981-16-5301-8

(SCOPUS INDEXED)

18. **4th International Conference on Computational Intelligence and Data Engineering (ICCIDE 2021) being organized at VIT-AP University, India.**

Research Paper Presented:

- **Genetic Algorithm-Based Vaccine Optimization Technique to Control COVID-19**

Publication Link: https://link.springer.com/chapter/10.1007/978-981-16-7182-1_1

DOI: https://doi.org/10.1007/978-981-16-7182-1_1

Pages: 1-15

Springer Edited Book: Proceedings of International Conference on Computational Intelligence and Data Engineering (ICCIDE 2021). eBook ISBN: 978-981-16-7182-1; Softcover ISBN: 978-981-16-7181-4; Series E-ISSN: 2367-4520. DOI: https://doi.org/10.1007/978-981-16-7182-1; https://link.springer.com/book/10.1007/978-981-16-7182-1#about

(SCOPUS INDEXED)

19. **2021 International Conference on Emerging Technologies for Computing, Communication and Smart Cities (ETCCS 2021) being organized at New Delhi, India.**

Research Paper Presented:

- **Designing of Learning Environment of an Intelligent Tutoring System for Academic Learning Needs of Learning-Disabled Learners based on Survey Report of Region-Specific Target Group**

Publication Link: https://link.springer.com/chapter/10.1007/978-981-19-0284-0_29

DOI: https://doi.org/10.1007/978-981-19-0284-0_29

Chapter No: 29

Pages: 389-404

Springer Edited Book: Proceedings of Emerging Technologies for Computing, Communication and Smart Cities (ETCCS 2021). Hardcover ISBN: 978-981-19-0283-3.Softcover ISBN: 978-981-19-0286-4. eBook ISBN: 978-981-19-0284-0. Series ISSN: 1876-1100. Series E-ISSN: 1876-1119. Edition Number:1. https://link.springer.com/book/10.1007/978-981-19-0284-0

(SCOPUS INDEXED)

20. The Fifth International Conference on Safety and Security with IoT (SaSeIoT 2021) being organized Virtually.

Research Paper Presented:

- **Natural Scenes' Text Detection and Recognition Using CNN and Pytesseract**

Publication Link: https://link.springer.com/chapter/10.1007/978-3-030-94285-4_10

DOI: https://doi.org/10.1007/978-3-030-94285-4_10

Chapter No: 10

Pages: 159-171

Springer Edited Book: Proceedings of The Fifth International Conference on Safety and Security with IoT (SaSeIoT 2021). Hardcover ISBN: 978-3-030-94284-7. Softcover ISBN: 978-3-030-94285-4. Series ISSN: 2522-8595; 2522-8609. Edition No: 1. DOI: https://doi.org/10.1007/978-3-030-94285-4. Link: https://link.springer.com/book/10.1007/978-3-030-94285-4

(SCOPUS INDEXED)

21. International Conference on Industrial Networks and Intelligent Systems (INISCOM 2022) being organized Virtually.

- **Performance Analysis of RF Energy Harvesting NOMA Mobile Edge Computing in Multiple Devices IIoT Networks**
- **Throughput Optimization for NOMA Cognitive Radios with Multi-UAV Assisted Relay**

Springer Proceedings---Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (Scopus Indexed)

Publication Details

Edited Book: Industrial Networks and Intelligent Systems (Title); 8th EAI International Conference- INISCOM 2022 Series Volume: 444; Hard Cover ISBN No: 978-3-031-08877-3; Softcover ISBN: 978-3-030-08878-0; Series ISSN: 1867-8211; 1867-822x Edition: 1

Papers Publications

- **Performance Analysis of RF Energy Harvesting NOMA Mobile Edge Computing in Multiple Devices IIoT Networks**

  DOI: https://doi.org/10.1007/978-3-031-08878-0_5 pp: 62-76

- **Throughput Optimization for NOMA Cognitive Radios with Multiple-UAV Assisted Relay**

  DOI: https://doi.org/10.1007/978-3-031-08878-0_7 pp: 91-104

(SCOPUS INDEXED)

22. 5th International Conference on Advanced Informatics for Computing Research (ICAICR 2021) being organized Virtually.

- **A Hybrid Filter/Wrapper Machine Learning Model for Classification Cancer Dataset**
- **Securing of Identification System Data Transmission Using Deep Autoencoders and Data Mining**

Springer Proceedings---Communications in Computer and Information Science (Scopus Indexed)

Publication Details

Edited Book: Advanced Informatics for Computing Research, ICAICR 2021; Softcover ISBN: 978-3-031-09468-2; E-BOOK ISBN: 978-3-031-09469-9. Series ISSN: 1865-0929; 1865-0937 Edition: 1. DOI: https://doi.org/10.1007/978-3-031-09469-9

Papers Publications

- **A Hybrid Filter/Wrapper Machine Learning Model for Classification Cancer Dataset**

  DOI: https://doi.org/10.1007/978-3-031-09469-9_2. Chapter-2. pp: 15-29
- **Securing of Identification System Data Transmission Using Deep Autoencoders and Data Hiding**

  DOI: https://doi.org/10.1007/978-3-031-09469-9_18 . Chapter-18 pp: 203-220

(SCOPUS INDEXED)

26. 4th International Conference on Futuristic Trends in Networks and Computing Technologies (FTNCT 2021) being organized Virtually.

- **Advancement and Evolution of LNG Terminals: A Review**

Springer Proceedings---Lecture Notes in Electrical Engineering (Scopus Indexed)

Publication Details

Edited Book: Conference Proceedings Futuristic Trends in Networks and Computing Technologies, FTNCT 2021; SoftCover ISBN: 978-981-19-5037-7; Hard Copy ISBN: 978-981-19-5036-0. Series ISSN: 1876-1100; 1876-1119 Edition: 1. DOI: https://doi.org/10.1007/978-981-19-5037-7

Papers Publications

- **Advancement and Evolution of LNG Terminals: A Review**

  DOI: https://doi.org/10.1007/978-981-19-5037-7_57. Chapter-57. pp: 799-813

27. 4th International Conference on Computing, Communications, and Cyber Security (IC4S 2022) being organized at Krishan Engineering College, Ghaziabad, India.

- **Supercontinuum Generation in Dispersion-Tailored Tetrachloroethylene Filled Photonic Crystal Fibers**
- **Reconfigurable Intelligent Surface-Enabled Energy-Efficient Cooperative Spectrum Sensing**

Springer Proceedings---Lecture Notes in Networks and Systems (Scopus Indexed)

Publication Details

Edited Book: Proceedings of Fourth International Conference on Computing, Communications, and Cyber-Security, IC4S 2022; Softcover ISBN: 978-981-99-1478-4; E-BOOK ISBN: 978-981-99-1479-1. Series ISSN: 2367-3370; E-ISSN: 2367-3389 Edition: 1. DOI: https://doi.org/10.1007/978-981-99-1479-1

Papers Publications

- **Supercontinuum Generation in Dispersion-Tailored Tetrachloroethylene Filled Photonic Crystal Fibers**

  DOI: https://doi.org/10.1007/978-981-99-1479-1_7. Chapter-7. pp: 95-104

- **Reconfigurable Intelligent Surface-Enabled Energy-Efficient Cooperative Spectrum Sensing**

  DOI: https://doi.org/10.1007/978-981-99-1479-1_12. Chapter-12 pp: 159-168

(SCOPUS INDEXED)

28. 7th International Conference on Computing, Control and Industrial Engineering (CCIE 2023) being organized Virtually.

- **Optical Character Recognition Using Hybrid CRNN Based Lexicon-Free Approach with Grey Wolf Hyperparameter Optimization**

Springer Proceedings---Lecture Notes in Electrical Engineering (Scopus Indexed)

Publication Details

Edited Book: 7th International Conference on Computing, Control and Industrial Engineering (CCIE 2023); Softcover ISBN: 978-981-99-2732-6; E-BOOK ISBN: 978-981-99-2730-2; Hardcover ISBN: 978-981-99-2729-6. Series ISSN: 1876-1100; E-ISSN: 1876-1119 Edition: 1. DOI: https://doi.org/10.1007/978-981-99-2730-2

Papers Publication

- **Optical Character Recognition Using Hybrid CRNN Based Lexicon-Free Approach with Grey Wolf Hyperparameter Optimization**

  DOI: https://doi.org/10.1007/978-981-99-2730-2_47. Chapter-47. pp: 475-489

(Scopus Indexed)

29. International Conference on Advances in Data Science and Computing Technologies (ADSC 2022) being organized at Department of Computer Science, Kazi Nazrul University, West Bengal, India

- **Density-Based Spatio-Temporal Clustering Model for Earthquake Analysis and Seismo-Tectonic Zoning**
- **Reconfigurable Intelligent Surface-Based Cooperative Spectrum Sensing Over Noisy Reporting Channel**

Springer Proceedings---Lecture Notes in Electrical Engineering (Scopus Indexed)

Publication Details

Edited Book: Conference Processing- Advances in Data Science and Computing Technologies; Softcover ISBN: 978-981-99-3658-8; E-BOOK ISBN: 978-981-99-3656-4; Hardcover ISBN: 978-981-99-3655-7. Series ISSN: 1876-1100; E-ISSN: 1876-1119 Edition: 1. DOI: https://doi.org/10.1007/978-981-99-3656-4

Papers Publication

- **Density-Based Spatio Temporal Clustering Model for Earthquake Analysis and Seismo-Tectonic Zoning**

  DOI: https://doi.org/10.1007/978-981-99-3656-4_55. Chapter-55. pp: 539-546

(Scopus Indexed)

- **Reconfigurable Intelligent Surface-Based Cooperative Spectrum Sensing Over Noisy Reporting Channel**

  DOI: https://doi.org/10.1007/978-981-99-3656-4_56. Chapter-56. pp: 547-555

(Scopus Indexed)

Best Paper Award's:

- **Density-Based Spatio Temporal Clustering Model for Earthquake Analysis and Seismo-Tectonic Zoning**

30. 10th International Symposium on Integrated Uncertainty in Knowledge Modelling and Decision Making (IUKM 2023) being organized at Japan Advanced Institute of Science and Technology (JAIST), Ishikawa, Japan

- **A Novel Methodology for Real-Time Face Mask Detection using PSO Optimized CNN Technique**

Springer Proceedings---Lecture Notes in Computer Science (Scopus Indexed)

Publication Details

Edited Book: Conference Proceedings: Integrated Uncertainty in Knowledge Modelling and Decision Making. 10th International Symposium, IUKM 2023, Kanazawa, Japan, November 2–4, 2023, Proceedings, Part II. DOI: https://doi.org/10.1007/978-3-031-46781-3. Softcover ISBN: 978-3-031-46780-6; eBook ISBN: 978-3-031-46781-3; Series ISSN: 0302-9743; Series E-ISSN: 1611-3349.Edition Number: 1

Papers Publication

- **A Novel Methodology for Real-Time Face Mask Detection using PSO Optimized CNN Technique**

DOI: https://doi.org/10.1007/978-3-031-46781-3_10; Chapter-10; Pages: 104-116

(Scopus Indexed)

31. International Conference on Artificial Intelligence: Theory and Applications (AITA 2023) being organized by ICFAI Business School (IBS) Bangalore, India.

- **Evaluation Methods of CDIO Project at Duy Tan University**

Springer Proceedings—Lecture Notes in Networks and Systems (Scopus Indexed)

Publication Details

Edited Book: Conference Proceedings: Artificial Intelligence: Theory and Applications, Proceedings of AITA 2023 Conference. DOI: https://doi.org/10.1007/978-981-99-8479-4. Softcover ISBN: 978-981-99-8478-7; e-Book ISBN: 978-981-99-8479-4; Series ISSN: 2367-3370; E-ISSN: 2367-3389. Edition Number: 1

Paper Publication

- **Evaluation Methods of CDIO Project at Duy Tan University**

DOI: https://doi.org/10.1007/978-981-99-8479-4_27; Chapter-27; Pages: 363-367

(Scopus Indexed)

32. 8th International Conference on Micro-Electronics, Electromagnetics and Telecommunications (ICMEET 2023) being organized at National Institute of Technology, Mizoram, India.

- **Numerical Exploration of Supercontinuum Generation in Zinc-Germanium Diphosphide-Based Photonic Crystal Fiber**

Springer Proceedings- Advances in in Microelectronics, Embedded Systems and IoT

Proceedings of 8th International Conference on Microelectronics, Electromagnetics and Telecommunications (ICMEET 2023)-

Publication Details:

Edited Book: Lecture Notes in Electrical Engineering. Conference Proceedings: Proceedings of 8th International Conference on Microelectronics, Electromagnetics and Telecommunications (ICMEET 2023). DOI: https://doi.org/10.1007/978-981-97-0767-6. Softcover ISBN: 978-981-97-0769-0; e-Book ISBN: 978-981-97-0767-6; Series ISSN: 1867-1100; E-ISSN: 1876-1119. Edition Number: 1

Paper Publication

- **Numerical Exploration of Supercontinuum Generation in Zinc-Germanium Diphosphide-Based Photonic Crystal Fiber**

DOI: https://doi.org/10.1007/978-981-97-0767-6_8; Chapter-8; Pages: 79-89

(Scopus Indexed)

33. 3rd International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC 2023) being organized by Department of Computer Science, Institute of Science, Banaras Hindu University, India.

- **Performance Improvement for Energy-Efficient CSS with Optimized Cognitive Users Over Fading Channels**

Springer Proceedings—Communications in Computer and Information Science

Publication Details

Edited Book: Conference Proceedings: Advanced Network Technologies and Intelligent Computing (Third International Conference, ANTIC 2023) Proceedings PART-I. DOI: https://doi.org/10.1007/978-3-031-64076-6. Softcover ISBN: 978-3-031-64075-9. E-Book ISSN: 978-3-031-64076-6. Series ISSN: 1865-0929; Series E-ISSN: 1865-0937.

Paper Publication

- **Performance Improvement for Energy-Efficient CSS with Optimized Cognitive Users Over Fading Channels**

DOI: https://doi.org/10.1007/978-3-031-64076-6_1; Chapter-1; Pages: 1-13

(Scopus Indexed)

34. Congress on Smart Computing Technologies (CSCT 2023) being organized at South Asian University, New Delhi.

- **Deep Learning-Driven Graft Survival Prediction for Indian AFLD Patients Following Liver Transplantation**

Springer Proceedings- Congress on Smart Technologies, Proceedings of CSCT 2023, Volume 1

Publication Details: Smart Innovation, Systems and Technologies, Conference Proceedings of CSCT 2023. DOI: https://doi.org/10.1007/978-981-97-5081-8. Softcover ISBN: 978-981-97-5083-2; Hardcover ISBN: 978-981-97-5080-1; eBook ISBN: 978-981-97-5081-8; Series ISSN: 2190-3018; Series E-ISSN: 2190-3026. Edition No: 1

Paper Publication

- **Deep Learning-Driven Graft Survival Prediction for Indian AFLD Patients Following Liver Transplantation**

DOI: https://doi.org/10.1007/978-981-97-5081-8_26; Chapter-25; Pages: 321-331

(Scopus Indexed)

35. 2nd International Conference on Power Engineering and Intelligent Systems (PEIS 2024) being organized by National Institute of Technology, Uttarakhand, India.

- **Hard Fusion Techniques for Energy-Efficient CSS over Fading Channels in Cognitive Wireless Sensor Network**

Springer Proceedings- Lecture Notes in Electrical Engineering, Proceedings of PEIS 2024, Volume 2

Publication Details: Power Engineering and Intelligent Systems, Conference Proceedings of PEIS 2024, Vol2. DOI: https://doi.org/10.1007/978-981-97-6714-4. Softcover ISBN: 978-981-97-6716-8, Hardcover ISBN: 978-981-97-6713-7, eBook ISBN: 978-981-97-6714-4, Series ISSN: 1876-1100, Series E-ISSN: 1876-1119. Edition 1

Paper Publication

Hard Fusion Techniques for Energy-Efficient CSS over Fading Channels in Cognitive Wireless Sensor Network

DOI: https://doi.org/10.1007/978-981-97-6714-4_41; Chapter:41; Pages: 519-531

(Scopus Indexed)

36. 5th International Conference on Data Science and Applications (ICDSA 2024) being organized at MNIT, Jaipur.

- **FL and Onion Routing-Based Secure HER Exchange Framework for Smart Healthcare System**

Springer Proceedings- Lecture Notes in Networks and Systems, Proceedings of ICDSA 2024, Volume 6.

Publication Details: ICDSA 2024 Conference. Vol 6. DOI: DOI: https://doi.org/10.1007/978-981-96-1188-1 eBook ISBN: 978-981-96-1188-1 Softcover ISBN: 978-981-96-1187-4 Series ISSN: 2367-3370 Series E-ISSN: 2367-3389 Number of Pages: 490

Paper Publication

FL and Onion Routing-Based Secure HER Exchange Framework for Smart Healthcare System

DOI: https://doi.org/10.1007/978-981-96-1188-1_25; Chapter: 25. Pages: 337-351 (Scopus Indexed)

ACM (ACM Digital Library--SCOPUS INDEXED)

1. **2020 5th International Conference on Intelligent Information Technology (ICIIT 2020) being organized at Hanoi, Viet Nam. (http://www.iciit.org)**

   Research Paper Presented:

- **Facial Emotion Detection to Assess Learners State of Mind in an Online Learning System**

- **Fuzzy Logic based Hybrid Model for Automatic Extractive Text Summarization**

Research Paper Published:

ICIIT 2020: Proceedings of the 2020 5th International Conference on Intelligent Information Technology by Association for Computer Machinery, New York, USA. ISBN No: 978-1-4503-7659-4. https://dl.acm.org/doi/proceedings/10.1145/3385209;

- **Facial Emotion Detection to Assess Learner's State of Mind in an Online Learning System. Pages: 107-115. DOI: https://doi.org/10.1145/3385209.3385231 . February 2020. https://dl.acm.org/doi/10.1145/3385209.3385231**

- **Fuzzy Logic based Hybrid Model for Automatic Extractive Text Summarization. Pages: 7-15. DOI: https://doi.org/10.1145/3385209.3385235 ; February 2020. https://dl.acm.org/doi/abs/10.1145/3385209.3385235**

(Indexed in SCOPUS, ACM Digital Library, ISI-Web of Science, Ei Compendex)

Best Paper Award:

Best Paper Award's:

- **Facial Emotion Detection to Access Learner's State of Mind in an Online Learning System**
- **Fuzzy Logic based Hybrid Model for Automatic Extractive Text Summarization**

2. **2nd International Conference on Intelligent and Innovative Computing Applications (ICONIC 2020) being organized in Mauritius. (https://mauricon.org/)**

Research Papers Presented:

- **Scene Detection and Recognition by Analysing Deep Features Using PlacesCNN**
- **Modified Grasshopper Optimisation Algorithm**

Research Papers Published:

ICONIC '20: Proceedings of the 2nd International Conference on Intelligent and Innovative Computing Applications. September 2020. ISBN: 978-1-4503-7558-0. https://dl.acm.org/doi/proceedings/10.1145/3415088

- **Scene detection and recognition by analysing deep features using PlacesCNN**

DOI: https://doi.org/10.1145/3415088.3415091; https://dl.acm.org/doi/abs/10.1145/3415088.3415091 Pages: 1-8

- **Modified Grasshopper Optimisation Algorithm. DOI: https://doi.org/10.1145/3415088.3415092. https://dl.acm.org/doi/abs/10.1145/3415088.3415092 Pages: 1-7**

3. **6th International Conference on Intelligent Information Technology (ICIIT 2021) being organized in Ho Chi Minh City, Viet Nam**

Research Papers Presented:

A Personalized Recommendation Framework for Ubiquitous Learning System

Research Papers Published:

2021 6th International Conference on Intelligent Information Technology (ICIIT 2021). ACM Digital Library. ISBN: 978-1-4503-8894-8

https://dl.acm.org/doi/proceedings/10.1145/3460179

A Personalized Recommendation Framework for Ubiquitous Learning System

https://dl.acm.org/doi/10.1145/3460179.3460190 Page: 63-72. https://doi.org/10.1145/3460179.3460190

4. **2022 7th International Conference on Intelligent Information Technology (ICIIT 2020) being organized at Foshan, China. (http://www.iciit.org)**

Research Paper Presented:

- **Hybrid Single Board Computer System for Unmanned Ground Vehicle**

Research Paper Published:

Hybrid Single Board Computer System for Unmanned Ground Vehicle. Pages: 106-112. DOI https://doi.org/10.1145/3524889.3524907 . February 2022. https://dl.acm.org/doi/10.1145/3524889.3524907

Conference Proceedings

ICIIT 2022: Proceedings of the 2022 7th International Conference on Intelligent Information Technology by Association for Computer Machinery, New York, USA. ISBN No: 978-1-4503-9617-2. https://dl.acm.org/doi/proceedings/10.1145/3524889;

5. **2023 8th International Conference on Intelligent Information Technology (ICIIT 2023) being organized at FPT University, Viet Nam. (http://www.iciit.org)**

Research Paper Presented:

- **Blockchain and AI-assisted Onion Routing Protocol for Strengthening Anonymity in Beyond 5G IoMVs Networks**

Research Paper Published:

- **Blockchain and AI-assisted Onion Routing Protocol for Strengthening Anonymity in Beyond 5G IoMVs Networks. Pages: 78-85. DOI https://doi.org/10.1145/3591569.3591582. February 2023. https://dl.acm.org/doi/10.1145/3591569.3591582**

Conference Proceedings

ICIIT 2023: Proceedings of the 2023 8th International Conference on Intelligent Information Technology by Association for Computer Machinery, New York, USA. ISBN No: 978-1-4503-9961-6. https://dl.acm.org/doi/proceedings/10.1145/3591569;

6. **2023 4th International Conference on Computing, Networks and Internet of Things (CNIOT 2023) being organized at Xiamen, China. (http://www.cniot2023.net/)**

Research Paper Presented

- **Modified Hexagonal Shaped Ultra-Wideband THz Antenna**

Research Paper Published:

- **Modified Hexagonal Shaped Ultra-Wideband THz Antenna. Pages: 330-334. DOI https://doi.org/10.1145/3603781.3603840. July 2023. https://dl.acm.org/doi/10.1145/3603781.3603840**

Conference Proceedings

CNIOT 2023: Proceedings of the 2023 4th International Conference on Computing, Networks and Internet of Things. ISBN No: 979-8-4007-0070-5. https://dl.acm.org/doi/proceedings/10.1145/3603781;

AIP Conference Proceeding (SCOPUS INDEXED)

No of Papers: 2

1. **International Conference on Innovative Development in Virtual and Rapid Prototyping (IDVRP 2022) being organized at Uttaranchal University, India**

Research Paper Presented:

- **A Review on Behavioral Based Safety Implementation and Safety Performance in Fireworks Manufacturing Industries**
- **Operational pipeline safety and management**

Research Paper Published:

- **A Review on Behavioral Based Safety Implementation and Safety Performance in Fireworks Manufacturing Industries. Vol: 2771. DOI: https://doi.org/10.1063/5.0152263.**
- **Operational pipeline safety and management. Vol: 2771. DOI: https://doi.org/10.1063/5.0152264**

Elsevier Procedia (SCOPUS INDEXED)

No of Papers: 1

1. **International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2024) being organized at RVS College of Engineering and Technology, Coimbatore, India**

Research Paper Presented

- **Predicting Hepatocellular Carcinoma Graft Survival Rate in Post Liver Transplantation using DeepHit**

Research Paper Published

- **Predicting Hepatocellular Carcinoma Graft Survival Rate in Post Liver Transplantation using DeepHit. Procedia Computer Science. Vol. 233, April 2024. Pages: 307-316. DOI: https://doi.org/10.1016/j.procs.2024.03.22**

Misc. Full Paper Proceedings (SCOPUS INDEXED)

No of Papers: 1

1. **21st International CDIO Conference being organized at Monash University, Australia.**

Research Paper Presented

- **Green Growth and CDIO Approach in Food Engineering: Initiative and Implementation Model**

Research Paper Published

- **Green Growth and CDIO Approach in Food Engineering: Initiative and Implementation Model. Full Paper Proceedings 21st CDIO Conference. Link: https://www.cdio.org/content/proceedings-21st-international-cdio-conference-hosted-monash-university-melbourne-australia. Proceedings Link: https://cdio.org/sites/default/files/Proceedings/cdio-proceedings_2025.pdf Paper Link: https://cdio.org/knowledge-library/documents/green-growth-and-cdio-approach-food-engineering-initiative-and. Pages: 185-198. Scopus Indexed. Link: https://www.scopus.com/pages/publications/105032129875?origin=resultslist**

SPIE Digital Library (SCOPUS INDEXED)

No of Papers: 1

1. **Third International Conference on Frontiers of Applied Optics and Computer Engineering (AOCE 2026) being organized at Wuhan, China.**

Research Paper Presented

- **Mid-Infrared supercontinuum generation in an all-solid chalcogenide photonic crystal fiber for broadband spectroscopy and biomedical imaging**

Research Paper Published

- **Mid-Infrared supercontinuum generation in an all-solid chalcogenide photonic crystal fiber for broadband spectroscopy and biomedical imaging. Conference Link: https://www.aoceconf.com/index. Proceedings Link: https://www.spiedigitallibrary.org/conference-proceedings-of-spie/14346.toc. Paper Link: https://www.spiedigitallibrary.org/conference-proceedings-of-spie/14346/1434607/Mid-infrared-supercontinuum-generation-in-an-all-solid-chalcogenide-photonic/10.1117/12.3123672.full. Article No/ Proceedings Vol: 14346. DOI: https://doi.org/10.1117/12.3123672.**

(ISI- Web of Science---SCI/SCIE/SSCI/ Indexed)

SCIE Indexed

Total: 213

1. ***APD-JFAD: Accurate Prevention and Detection of Jelly Fish Attack in MANET*****. IEEE Access. Volume 6. September 2018. pp. 56954-56965. e-ISSN No: 2169-3536. DOI: https://doi.org/10.1109/ACCESS.2018.2868544 (Q2-SCIE INDEXED) Impact Factor: 4.2. Publisher: IEEE**

2. ***Fog Computing: from architecture to edge computing and big data processing*****. The Journal of Super Computing. DOI: https://doi.org/10.1007/s11227-018-2701-2. Vol 75, Issue 4. November 2018. pp: 2070-2105. ISSN No (Print): 0920-8542, (Online): 1573-0484. (Q2-SCIE INDEXED) Impact Factor: 3.5. Publisher: Springer**

3. ***Sarcasm Detection using Soft Attention-Based Bidirectional Long Short-Term Memory Model with Convolution Network*****. IEEE Access. Volume 7. February 2019. pp. 23319-23328. e-ISSN No: 2169-3536. DOI: https://doi.org/10.1109/ACCESS.2019.2899260 (Q2-SCIE INDEXED) Impact Factor: 4.2. Publisher: IEEE**

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5. ***IEEMARP- a novel energy efficient multipath routing protocol based on ant colony optimization (ACO) for dynamic sensor networks*****. Multimedia Tools and Applications. Volume 79. May 2019. pp: 35221-35252 Print ISSN:1380-7501; Online ISSN: 1573-7721. DOI: https://doi.org/10.1007/s11042-019-7627-z (Q2-SCIE INDEXED) Impact Factor: 3.0 (JCR 2023). Publisher: Springer**

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7. ***An Optimization Model for Software Quality Prediction with Case Study Analysis using MATLAB*****. IEEE Access. Volume 7. June 2019. pp:85123-85138 Print ISSN: 2169-3536; Online ISSN: 2169-3536. DOI: https://doi.org/10.1109/ACCESS.2019.2920879 (Q2-SCIE INDEXED) Impact Factor: 4.2. Publisher: IEEE**

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32. ***Design and Implementation of Improved Three Port Converter and B4-Inveter Fed Brushless Direct Current Motor Drive System for Industrial Applications.*** **IEEE Access. Volume 8. DOI: https://www.doi.org/10.1109/ACCESS.2020.3016011. August 2020. pp: 149093-149112. e-ISSN No: 2169-3536. (Q2-SCIE INDEXED) Impact Factor: 4.2. Publisher: IEEE**

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35. ***CT-RPL: Cluster Tree Based Routing Protocol to Maximize the Lifetime of Internet of Things.*** **MDPI Sensors. Volume 20, Issue: 20. Pages: 5858 DOI: https://doi.org/10.3390/s20205858. October 2020. ISSN No: 1424-8220. (Q2-SCIE INDEXED) Impact Factor: 4.0. Publisher: MDPI**

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Total: 9

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International Journals

(SCOPUS Indexed)

Total: 21

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10. ***Simulation based Performance Comparison & Analysis regarding Static and Mobile Throwboxes impact on Network Performance in Delay Tolerant Networks (DTNs) using ONE Simulator*. Journal of Physics: Conference Series. Volume 1142. November 2018. pp. 012015. DOI: https://doi.org/10.1088/1742-6596/1142/1/012015. ISSN No: (Online): 1742-6596; (Print): 1742-6588. (Scopus Indexed, Q4, SJR: 0.180) http://iopscience.iop.org/article/10.1088/1742-6596/1142/1/012015**

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13. ***Effect of Multiple-Agent Deployment in MANET.* Recent Advances in Computer Science and Communications. Volume 12, Number 3, Year 2019. pp.180-190(11). DOI: https://doi.org/10.2174/2213275911666180829104117. Print ISSN: 2666-2558; Online ISSN: 2666-2566; ISSN No: 2213-2759 (Print). (Scopus Indexed. Q3, SJR-0.287)**

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19. ***The Role of Machine Learning and Artificial Intelligence in Clinical Decisions and the Herbal Formulations against COVID-19.*** **International Journal of Reliable and Quality E-Healthcare. Volume 11, Issue No:1. Pages: 17. Print ISSN: 2160-9551, E-ISSN: 2160-956X. DOI: https://doi.org/10.4018/IJRQEH.2022010107. (SCOPUS Indexed, Q3, SJR: 0.262)**

20. ***Dynamic Polygon-Based Reverse Driving Detection Technique for Enhanced Road Safety*****. International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 16, No:6, July 2025 pp. 880-887. DOI: https://doi.org/10.14569/IJACSA.2025.0160686. ISSN No (Online): 2156-5570; Print: 2158-107X. (Indexed in SCOPUS-Q3, SJR:0.327)**

21. ***Machine Learning Advancements for Lung Cancer Detection: An In Depth Review and Future Prospects.*** **Journal of Computer Science. Vol No: 22, No:1, 2026, March 2026, pp: 260-70. DOI: https://doi.org/10.3844/jcssp.2026.260.272. Print ISSN: 1549-3636; Online: 1552-6607. (Indexed in Scopus-Q4, SJR: 0.194)**

Edited Books Chapters

Total Chapters: 76

1. ***Evolutionary Computation: Theory and Algorithms:*** **Advances in Swarm Intelligence for Optimizing Problems in Computer Science. CRC Press. ISBN No: 9781138482517. eBook ISBN:9780429820168. pp 1-23.**

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2. ***Introduction to Swarm Intelligence:*** **Advances in Swarm Intelligence for Optimizing Problems in Computer Science. CRC Press. ISBN No: 9781138482517. eBook ISBN:9780429820168. pp 53-75.**

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3. ***Augmenting Dental Care: A Current Perspective:*** **Emerging Technologies for Health and Medicine: Virtual Reality, Augmented Reality, Artificial Intelligence, Internet of Things, Robotics, Industry 4.0. Wiley Publishers. ISBN No: 978-1-119-50985-1. pp. 51-67. DOI: https://doi.org/10.1002/9781119509875.ch5**

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4. ***Green Internet of Things (G-IoT): ICT Technologies, Principles, Applications, Projects and Challenges:*** **Handbook of Research on Big Data and IoT. ISBN No (13): 978-152-2574-323; ISBN No (10): 1522-257-4328; EISBN No (13): 978-152-2257-4330. pp. 379-405 DOI: 10.4018/978-1-5225-7432-3.ch021**

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5. ***Cyber Security Challenges for Smart Cities:*** **Driving the Development, Management and Sustainability of Cognitive Cities. ISBN No (13):978-1522-5808-50; ISBN (10): 1522-5808-59. pp: 27-54. DOI: 10.4018/978-1-5225-8085-0.ch002**

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6. ***Innovative Ideas to Manage Urban Traffic Congestion in Cognitive Cities:*** **Driving the Development, Management and Sustainability of Cognitive Cities. ISBN No (13):978-1522-5808-50; ISBN (10): 1522-5808-59. pp: 139-162. DOI: 10.4018/978-1-5225-8085-0.ch006**

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7. ***WBAN: Driving e-Healthcare Beyond Telemedicine to Remote Health Monitoring—Architecture and Protocols*. DOI: https://doi.org/10.1016/B978-0-12-816948-3.00007-6. Telemedicine Technologies- Big Data, Deep Learning, Robotics, Mobile and Remote Applications for Global Healthcare. ISBN No: 978-0-12-816948-3. Imprint: Academic Press, Elsevier. pp: 89-119 (Chapter-7)**

   https://www.sciencedirect.com/science/article/pii/B9780128169483000076

8. ***Security and Privacy in Remote Healthcare: Issues, Solutions and Standards.*** **DOI: https://doi.org/10.1016/B978-0-12-816948-3.00014-3. Telemedicine Technologies- Big Data, Deep Learning, Robotics, Mobile and Remote Applications for Global Healthcare. ISBN No: 978-0-12-816948-3. Imprint: Academic Press, Elsevier. pp: 201-225 (Chapter-14)**

   https://www.sciencedirect.com/science/article/pii/B9780128169483000143

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10. ***Effect of Green Consumer Behavior Perspective on Green Unwavering Across Various retail configurations*. DOI: 10.4018/978-1-5225-9558-8.ch005. Green Marking as Positive Driver toward Business Sustainability. ISBN (13): 978-152-2259-558-8. ISBN (10): 1522-5955-89. ISBN (13): 978-1522-5956-01. Chapter 5. pp:96-124**

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12. ***Virtualization*. Handbook of Cloud Computing, BPB Publications, India. ISBN (Print): 978-93-8817-666-8. Chapter 2. pp: 51-89**

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8.	**Machine Learning for Critical Internet of Medical Things Applications and Use Cases**	**Springer**	**https://link.springer.com/book/10.1007/978-3-030-80928-7**	**1st**	**Editor +1 Chapter**	**DOI: https://doi.org/10.1007/978-3-030-80928-7 Hardcover ISBN: 978-3-030-80927-0 Softcover ISBN: 978-3-030-80930-0 eBook ISBN:978-3-030-80928-7 Pages: 261**
9.	**The Fifth International Conference on Safety and Security with IoT (SaSeIoT 2021)**	**Springer**	**https://link.springer.com/book/10.1007/978-3-030-94285-4**	**1st**	**Edited Book**	**Hardcover ISBN: 978-3-030-94284-7 eBook ISBN 978-3-030-94285-4 Series ISSN 2522-8595 Series E-ISSN 2522-8609 Pages: 205**

						Edition: 1
10.	**New Horizons for Industry 4.0 in Modern Business**	**Springer**	**https://link.springer.com/book/9783031204425**	**1st**	**Edited Book**	**eBook ISBN: 978-3-031-20443-2 Hardcover ISBN: 978-3-031-20442-5 Softcover ISBN: 978-3-031-20445-6 Series ISSN: 2731-8303 Series E-ISSN: 2731-8311 Pages: 329**
11.	**7th International Conference on Computing, Control and Industrial Engineering (CCIE 2023)**	**Springer**	**https://link.springer.com/book/10.1007/978-981-99-2730-2**	**1st**	**Conference Proceedings**	**Hardcover ISBN 978-981-99-2729-6 Softcover ISBN 978-981-99-2732-6 eBook ISBN 978-981-99-2730-2 Series ISSN 1876-1100 Series E-ISSN 1876-1119**

						Number of Pages XX, 1093 Edition Number 1
12.	**Sustainable Blended Learning in STEM Education for Students with Additional Needs**	**Springer**	**https://link.springer.com/book/10.1007/978-981-99-3497-3**	**1st**	**Edited Book + 1 Chapter**	**Hardcover ISBN: 978-981-99-3496-6 Softcover ISBN: 978-981-99-3499-7 eBook ISBN: 978-981-99-3497-3 Series ISSN: 2731-8303 Series E-ISSN: 2731-8311 Edition: 1 No of Pages: 340 Series Title: Contributions to Environmental Sciences & Innovative Business Technology**

13.	**Object Tracking Technology-Trends, Challenges and Applications**	**Springer**	**https://link.springer.com/book/10.1007/978-981-99-3288-7**	**1st**	**Edited Book + 2 Chapters**	**Hardcover ISBN 978-981-99-3287-0** **Softcover ISBN 978-981-99-3290-0** **eBook ISBN 978-981-99-3288-7** **Series ISSN 2731-8303** **Series E-ISSN 2731-8311** **Edition Number 1** **Number of Pages XIV, 274**
14.	**Advances in Intelligent System and Smart Automation-Proceedings of I2ST 2023**	**Springer**	**https://link.springer.com/book/10.1007/978-3-031-47672-3#:~:text=I2ST'23%20is%20a%20forum,smart%20technolog**	**1st**	**Edited Book Proceedings**	**DOI: https://doi.org/10.1007/978-3-031-47672-3** **eBook ISBN: 978-3-031-47672-3**

			ies%2C%20and%20data%20analytics.			**Softcover ISBN: 978-3-031-47671-6** **Series Title: Lecture Notes in Networks and Systems** **Series Title Link: https://www.springer.com/series/15179** **Series ISSN: 2367-3370** **Series E-ISSN: 2367-3389** **Number of Pages: XXII, 410**
15.	**Towards Ethical and Socially Responsible Explainable AI**	**Springer**	**https://link.springer.com/book/10.1007/978-3-031-66489-2**	**1st**	**Authored Book-10 Chapters**	**DOI: https://doi.org/10.1007/978-3-031-66489-2 Hardcover ISBN: 978-3-**

						031-66488-5 Softcover ISBN: 978-3-031-66491-5 eBook ISBN: 978-3-031-66489-2 Number of Pages:363 Edition: 1 **Name of the Series: Studies in Systems, Decision and Control Link of Series: https://www.springer.com/series/13304 Series ISSN: 2198-4182 Series E-ISSN: 2198-4190**

16.	**AI-Based Nutritional Intervention in Polycystic Ovary Syndrome (PCOS)**	**Springer**	**https://link.springer.com/book/10.1007/978-981-96-2120-0**	**1st**	**Edited Book + 2 Chapters**	**https://doi.org/10.1007/978-981-96-2120-0 Hardcover ISBN: 978-981-96-2119-4 Softcover ISBN: 978-981-96-2122-4 eBook ISBN: 978-981-96-2120-0 Pages: 330**
17.	**Emerging Disruptive Technologies for Society 5.0 in Developing Countries**	**Springer**	**https://link.springer.com/book/10.1007/978-3-031-63701-8**	**1st**	**Edited Book**	**DOI: https://doi.org/10.1007/978-3-031-63701-8 Hardcover ISBN: 978-3-031-63700-1 Softcover ISBN: 978-3-031-63703-2 eBook ISBN: 978-3-031-63701-8 Series ISSN: 2522-8714**

						Series E-ISSN: 2522-8722 Number of Pages: XII, 252
18.	**Innovative Technologies on Electric Power Systems for Smart Cities Infrastructure**	**Springer**	**https://link.springer.com/book/10.1007/978-3-031-86705-7**	**1st**	**Conference Proceedings + Edited Book**	**DOI: https://doi.org/10.1007/978-3-031-86705-7 eBook ISBN: 978-3-031-86705-7 Softcover ISBN: 978-3-031-86704-0 Series ISSN: 2366-3405 Series E-ISSN: 2366-3413 Edition: 1 No of Pages: 575**
19.	**The Future of Urban Living: Smart Cities and Sustainable Infrastructure Technologies** **Proceedings**	**Springer**	**https://link.springer.com/book/10.1007/978-3-031-98334-4**	**1st**	**Conference Proceedings+ Edited Book**	**DOI: https://doi.org/10.1007/978-3-031-98334-4 Softcover ISBN 978-3-031-98333-7**

	of the 1st International Conference on Advanced Sustainability Engineering and Technology (ICASET'25)					**eBook ISBN 978-3-031-98334-4 No of Pages: 380**
20.	**Convergence of AI, Federated Learning, and Blockchain for Sustainable Development**	**Springer**	**https://link.springer.com/book/10.1007/978-3-031-80949-1?srsltid=AfmBOop8XRnjlhwt034rd7Dm5vVQdsuneUedfZOgGBhwadnwiMUh65f4**	**1st**	**Edited Book**	**https://doi.org/10.1007/978-3-031-80949-1 ISBN Number (Hard Cover): 978-3-031-80948-4 ISBN Number (Soft Cover): 978-3-031-80951-4 ISBN Number (Ebook): 978-3-031-80949-1 Series ISSN: 2522-8714; 2522-8722 No of Pages: 277 No of Chapters: 13**

21.	**Federated Learning Applications in the Industrial Internet of Everything (IoE)**	**Springer**	**https://link.springer.com/book/10.1007/978-3-031-99270-4**	**1ST**	**Edited Book**	**DOI: https://doi.org/10.1007/978-3-031-99270-4 Hardcover ISBN: 978-3-031-99269-8 Softcover ISBN: 978-3-031-99272-8 eBook ISBN: 978-3-031-99270-4 Series ISSN: 2198-4182 Series E-ISSN: 2198-4190 Edition: 1st Number of Pages: XII, 287**
22.	**Innovative Approaches and Applications for Sustainable Development (I2ASD 2025)**	**Springer**	**https://link.springer.com/book/10.1007/978-3-031-97825-8#toc**	**1ST**	**Edited Book+ Conference Proceedings**	**DOI: https://doi.org/10.1007/978-3-031-97825-8 eBook ISBN978-3-031-**

						97825-8 Hardcover ISBN978-3-031-97824-1 Softcover ISBN978-3-031-97827-2 Series ISSN: 2522-8714 Series E-ISSN2522-8722 No of Pages: 619 No of Chapters/ Papers: 123.
23.	**Internet of Things- ICIOT 2026 11th International Conference held as part of the Smart Computing Frontier, SCF 2026**	**Springer**	**https://link.springer.com/book/10.1007/978-3-032-36493-7**	**1st**	**Edited Book + Conference Proceedings**	**DOI: https://doi.org/10.1007/978-3-032-36493-7 Ebook ISBN: 978-3-032-36493-7 Softcover ISBN: 978-3-032-36492-0; Series ISSN: 0302-9743**

						Series E-ISSN: 1611-3349 No of Pages: 159.

Publisher: CRC Press/ Routledge

No of Books: 18

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Book Type
1.	Advances in Swarm Intelligence for Optimizing Problems in Computer Science	CRC Press	978-11-38482-51-7 Link: https://www.routledge.com/Advances-in-Swarm-Intelligence-for-Optimizing-Problems-in-Computer-Science/Nayyar-Le-Nguyen/p/book/9781138482517	1st	Editor & Author (2 Chapters)	Edited Book + Refereed Book
2.	Swarm Intelligence and Evolutionary Algorithms in Healthcare and Drug Development	CRC Press	978-03-67257-57-6 (Hard Copy) 978-04-29289-67-5 DOI: https://doi.org/10.1201/9780429289675	1st	Editor & Author (2 Chapters)	Edited Book+ Refereed Book
3.	Machine Learning in Signal Processing: Applications, Challenges and the Road	CRC Press	ISBN: 978-0-367-61890-2 (Hard Book) 978-0-367-61892-6 (Print Cover)	1st	Editor	Edited Book + Referred Book

	Ahead		**978-1-003-10702-6 (Ebook)** **Link of Book: https://www.routledge.com/Machine-Learning-in-Signal-Processing-Applications-Challenges-and-the/Tanwar-Nayyar-Rameshwar/p/book/9780367618902#**			
4.	**Green Internet of Things**	**CRC Press**	**ISBN 9781032069135 Pages: 144 Edition: 1** **https://www.routledge.com/Green-Internet-of-Things/Mahapatra-Nayyar/p/book/9781032069135**	**1st**	**Authored Book**	**Authored**
5.	**SDN Supported Edge-Cloud Interplay for Next Generation Internet of Things**	**CRC Press**	**Pages: 220; ISBN: 9781032101491 https://www.routledge.com/SDN-Supported-**	**1st**	**Edited Book**	**Edited**

			Edge-Cloud-Interplay-for-Next-Generation-Internet-of-Things/Sahoo-Solanki-Mishra-Sahoo-Nayyar/p/book/9781032101491			
6.	**Advances in Distance Learning in Times of Pandemic**	**CRC Press**	**ISBN 9781032334417 Pages: 322 https://www.routledge.com/Advances-in-Distance-Learning-in-Times-of-Pandemic/Rosak-Szyrocka-Zywiolek-Nayyar-Naved/p/book/9781032334417**	**1st**	**Edited Book**	**Edited**
7.	**Blockchain, IoT and AI Technologies for Supply Chain Management**	**CRC Press**	**ISBN: 9781032206400. Pages: 294 https://www.routledge.com/Blockchain-IoT-and-AI-Technologies-for-Supply-Chain-Management**	**1ST**	**Edited Book**	**Edited**

			/Chawla-Kumar-Nayyar-Naved/p/book/9781032206400			
8.	**Renewable Energy and AI for Sustainable Development**	**CRC Press**	**ISBN 9781032439495 Pages: 286 https://www.routledge.com/Renewable-Energy-and-AI-for-Sustainable-Development/Iyer-Nayyar-Naved-Al-Turjman/p/book/9781032439495**	**1st**	**Edited Book**	**Edited**
9.	**The Role of Sustainability and Artificial Intelligence in Education Improvement**	**CRC Press**	**ISBN 9781032544649 Pages: 264 https://www.routledge.com/The-Role-of-Sustainability-and-Artificial-Intelligence-in-Education-Improvement/Rosak-Szyrocka-Zywiolek-Nayyar-Naved/p/boo**	**1st**	**Edited Book**	**Edited + 2 Chapters**

			k/9781032544649 DOI: https://doi.org/10.1201/9781003425779			
10.	Digital Personality A Man Forever, Volume 1: Introduction	CRC Press	ISBN: 9781032628356 Ebook ISBN: 9781032628431 Pages: 368 DOI: https://doi.org/10.1201/9781032628431 Link: https://www.routledge.com/Digital-Personality-A-Man-Forever-Volume-1--Introduction/Kaswan-Dhatterwal-Nayyar/p/book/9781032628356 https://www.taylorfrancis.com/books/mono/10.1201/9781032628431/digital-personality-man-forever-kuldeep-	1st	Authored Book	Authored

			singh-kaswan-jagjit-singh-dhatterwal-anand-nayyar?context=ubx&refId=f4cbe086-bab6-424b-b99e-6221699d2e61			
11.	**Modern Technologies and Tools Supporting the Development of Industry 5.0**	**CRC Press**	**ISBN 9781032531045 (Hard Copy); E-Book ISBN: ISBN 9781003489269 Pages: 474 DOI: https://doi.org/10.1201/9781003489269 Online Links: https://www.routledge.com/Modern-Technologies-and-Tools-Supporting-the-Development-of-Industry-50/Zywiolek-Rosak-Szyrocka-Nayyar-Naved/p/book/978103253**	**1st**	**Edited Book**	**Editor + 1 Chapter**

			1045 https://www.taylorfrancis.com/books/edit/10.1201/9781003489269/modern-technologies-tools-supporting-development-industry-5-0-justyna-%C5%BCywio%C5%82ek-joanna-rosak-szyrocka-anand-nayyar-mohd-naved			
12.	**Digital Personality A Man Forever Volume 2: Technical Aspects**	**CRC Press**	**ISBN: 9781032684031 (Hard Copy); E-Book ISBN: 9781032698021 Pages: 440 DOI: https://doi.org/10.1201/9781032698021 Online Links: https://www.routledge.com/Digital-Personality-A-Man-**	**2nd**	**Authored Book**	**Authored**

			Forever-Volume-2-Technical-Aspects/Kaswan-Dhatterwal-Nayyar/p/book/9781032684031 https://www.taylorfrancis.com/books/mono/10.1201/9781032698021/digital-personality-kuldeep-singh-kaswan-jagjit-singh-dhatterwal-anand-nayyar			
13.	**Prompt Engineering Empowering Communication**	**CRC Press**	**Hard Copy ISBN: 9781032679907 Soft Copy ISBN: 9781032692319 Pages: 176 DOI: https://doi.org/10.1201/9781032692319 No of Chapters: 20** https://www.routledge.com/Prompt-	**1st**	**Authored Book**	**Authored**

			Engineering-Empowering-Communication/DeviVairamani-Nayyar/p/book/9781032679907?srsltid=AfmBOorqJkatDuZ9U1evl9aVAQua7SogydQLuRYlKSFPrYFXCTnyyMOW https://www.taylorfrancis.com/books/mono/10.1201/9781032692319/prompt-engineering-ajantha-devi-vairamani-anand-nayyar			
14.	**Deep Learning in Engineering, Energy and Finance**	**CRC Press**	**Hard Copy ISBN: 9781032627724 Soft Copy ISBN: 9781003564874 Chapters: 10** https://www.routledge.com/Deep-Learning-in-Engineering-	**1st**	**Edited Book**	**Edited + 1 Chapter**

			Energy-and-Finance-Principals-and-Applications/Sharma-Mahajan-Nayyar-KantPandit/p/book/9781032627724?srsltid=AfmBOoqduOqASKJt4dcBASxnr9IGU9JtC2EOfvWcvgbR-iKNc4yGzzWP			
15.	**Digital Personality A Man Forever Volume 3: Ontologies to Dialogue Generation**	**CRC Press**	**Hard Copy ISBN: ISBN 9781032860978 Soft Copy ISBN: ISBN 9781003530701 DOI: https://doi.org/10.1201/9781003530701 No of Chapters: 18 No of Pages: 438**	**3rd Edition**	**Authored Book**	**Authored**
16.	**Mental Health Prediction using Machine Learning and Deep Learning Technology**	**CRC Press**	**Hard Copy ISBN: 978-1-032-56855-3; Soft Copy ISBN: 978-1-003-43738-3; Print Book**	**1st**	**Authored Book**	**Authored + Refereed Book**

			ISBN: 978-1-032-56856-0 DOI: https://doi.org/10.1201/9781003437383 Pages: 162 No of Chapters: 8			
17.	Digital Personality A Man Forever Volume 4: Cognitive Modeling to Real World Applications	CRC Press	Hard Copy ISBN: 978-1-041-11733-9 Soft Copy ISBN: 978-1-003-66821-3 DOI: https://www.doi.org/10.1201/9781003366821 3 No of Chapters: 12; Pages: 260	4th Edition	Authored Book	Authored
18.	Coding Theory, Cryptography, and Finite Fields Technology and Applications	CRC Press	Hard Copy ISBN: 978-1-041-07668-1 (Hard Copy); 978-1-041-07672-8 (pbk); 978-1-003-64165-0 (Ebook). DOI: https://doi.org/10.1201/9781003641650 . No of Chapters: 14. Pages: 393.	1st Editor	Edited Book	Edited Book +1 Chapter

Publisher: Elsevier

No of Books: 7

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Type
1.	Generative Adversarial Networks for Image-to-Image Translation	Elsevier	ISBN: 978-0-12-823519-5 Pages: 429 https://www.sciencedirect.com/book/9780128235195/generative-adversarial-networks-for-image-to-image-translation DOI: https://doi.org/10.1016/C2020-0-00284-7	1ST	Editor	
2.	Comprehensive Guide to Heterogeneous Networks	Elsevier	https://www.sciencedirect.com/book/9780323905275/comprehensive-guide-to-heterogeneous-networks 978-0-323-90527-5 Pages: 338 DOI: https://doi.org/10.1016/C2020-0-03554-1	1st	Editor	Edited + Referred Book
3.	XAI Based Intelligent Systems for Society 5.0	Elsevier	https://www.sciencedirect.com/book/9780323953153/xai-based-intelligent-systems-for-	1st	Editor	Edited+ Referred Book

			society-5-0 978-0-323-95315-3 Pages: 428			
4.	Digital Twins for Smart Cities and Villages	Elsevier	https://www.sciencedirect.com/book/9780443288845/digital-twins-for-smart-cities-and-villages ISBN: 978-0-443-28884-5 eBook ISBN: 978-0-443-28885-2 Pages: 672 DOI: https://doi.org/10.1016/C2023-0-50969-3 DOI: https://doi.org/10.1016/C2023-0-50969-3	1st	Editor	Edited + Refereed Book
5.	Mastering Prompt Engineering Deep Insights for Optimizing Large Language Models	Elsevier	https://www.sciencedirect.com/book/9780443339042/mastering-prompt-engineering ISBN: 978-0-443-33904-2 Pages: 366 DOI: https://doi.org/10.1016/C2024-0-00708-4	1ST	Author	Authored + Referred Book

6.	**AI and Computational Intelligence for Environmental Sustainability**	**Elsevier**	**https://www.sciencedirect.com/book/edited-volume/9780443485077/ai-and-computational-intelligence-for-environmental-sustainability. ISBN: 978-0-443-48507-7 DOI: https://www.doi.org/10.1016/C2025-0-01968-3**	**1st**	**Editor**	**Edited + Refereed Book**
7.	**Quantum Computing and Instrumentation for Smart Agriculture**	**Elsevier**	**https://www.sciencedirect.com/book/edited-volume/9780443442476/quantum-computing-and-instrumentation-for-smart-agriculture ISBN: 978-0-443-44247-6 DOI: https://doi.org/10.1016/C2025-0-00914-6**	**1st**	**Editor**	**Edited + Referred Book**

Publisher: IEEE

No of Books: 2

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Type
1.	2023 9TH Annual International Conference on Network and Information Systems for Computers (ICNISC 2023)	IEEE	DOI: 10.1109/ICNISC60562.2023.00008 Electronic ISBN:979-8-3503-0668-2 Print on Demand (PoD) ISBN:979-8-3503-0669-9	1ST	Co-Editor	Conference Proceedings
2.	2025 IEEE 7th International Conference on Artificial Intelligence, Computer Science and Information Processing	IEEE	DOI: 10.1109/AICSIP65423.2025	1ST	Co-Editor	Conference Proceedings

Publisher: Wiley

No of Books: 4

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Type
1.	Digital Cities Roadmap: IoT Based Architecture and Sustainable Buildings	Wiley	ISBN: 978-1-119-79159-1 Pages: 544 https://www.wiley.com/en-sg/Digital+Cities+Roadmap:+IoT+Based+Architecture+and+Sustainable+Buildings-p-9781119792055	1st	Editor	Edited + Refereed Book
2.	Software Defined Networks: Architecture and Applications	Wiley	Pages: 576. ISBN: 978-1-119-85730-3 Doi: 10.1002/9781119857921 https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119857921.ch3	1st	Editor	Edited + Refereed Book
3.	Artificial Intelligence and Machine Learning in Drug Design and Development	Wiley	Pages: 672 ISBN (Print): ISBN: 978-1-394-23416-5 ISBN (Ebook): 978-1-394-	1st	Editor	Edited + Refereed Book

			23417-2. DOI: https://doi.org/10.1002/9781394234196 Link: https://onlinelibrary.wiley.com/doi/book/10.1002/9781394234196 https://www.wiley.com/en-ae/Artificial+Intelligence+and+Machine+Learning+in+Drug+Design+and+Development-p-9781394234165			
4.	**Unmanned Aircraft Systems**	**Wiley**	**Link of Book: https://www.wiley.com/en-us/Unmanned+Aircraft+Systems-p-9781394230624 https://onlinelibrary.wiley.com/doi/book/10.1002/9781394230648 ISBN: 978-1-394-23062-4 (eBook) ISBN: 978-1-394-23061-7**	**1st**	**Editor**	**Edited+ Referred Book**

			(Print) Month: December 2024 Publisher: Wiley DOI: 10.1002 /9781394230 648 No of Chapters: 14 Pages: 688			

Publisher: IGI-Global

No of Books: 4

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Type
1.	**Green Building Management and Smart Automation**	**IGI-Global, USB**	**ISBN13: 97815225975 44 ISBN10: 1522597549 EISBN13: 97815225975 68 Pages: 312 DOI: https://doi.org/10.4018/978-1-5225-9754-4**	**1st**	**Editor & Author (1Chapter)**	**Edited Book + Refereed Book**
2.	**Handbook of Research on Emerging Trends and Applications of Machine**	**IGI-Global, USA**	**ISBN13: 97815225964 31 ISBN10:1522 596437 EISBN13:**	**1st**	**Editor**	**Edited Book + Refereed Book**

	Learning		**97815225964 55 Pages: 674 DOI: https://doi.org/10.4018/978-1-5225-9643-1**			
3.	**Applications of Computational Science in Artificial Intelligence**	**IGI-GLOBAL**	**ISBN 97817998901 26 (h/c) | ISBN 97817998901 33 (s/c) | ISBN 97817998901 40 (ebook). Pages: 284 https://www.igi-global.com/book/applications-computational-science-artificial-intelligence/275267**	**1st**	**Edited Book**	**Edited Book + Refereed Book**
4.	**AI-Assisted Special Education for Students with Exceptional Needs**	**IGI-Global**	**ISBN13: 97983693037 88|EISBN13: 97983693038 01 Pages: 335 https://www.igi-global.com/book/assisted-special-education-students-exceptional/3**	**1st**	**Edited Book & Author (2 Chapters)**	**Edited Book+ Refereed Books**

			22091			

Publisher: IOS Press

No of Books: 3

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Type
1.	Computer Methods in Medicine and Healthcare	IOS Press	978-1-64368-334-8 (print) | 978-1-64368-335-5 (online) Link: https://ebooks.iospress.nl/ISBN/978-1-64368-334-8	1st	Editor	CMMHC 2022—Conference Proceedings-Edited Book
2.	Proceedings of the 2022 International Conference on Smart Manufacturing and Material Processing (SMMP2022)	IOS Press	978-1-64368-350-8 (print) | 978-1-64368-351-5 (online) https://ebooks.iospress.nl/volume/proceedings-of-the-2022-international-conference-on-smart-manufacturing-and-material-processing-smmp2022	1st	Editor	SMMP 2022-Conference Proceedings- Edited Book

3.	**Proceedings of the 2nd International Conference (CDICS 2024), Singapore**	**IOS Press**	**978-1-64368-576-2 (Print) https://doi.org/10.3233/ATDE67 https://www.iospress.com/catalog/books/data-information-and-computing-science**	**1ST**	**Editor**	**CDICS 2024 Conference Proceedings**

Publisher: IET

No of Books: 1

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Type
1.	**Innovations in Healthcare Informatics: From Interoperability to data Analysis**	**IET Press, USA**	**978-1-83953-458-4 (Hardback); 978-1-83953-459-1 (Print)** **https://digital-library.theiet.org/content/books/he/pbhe041e;jsessionid=4c3bnrc2cr1s8.x-iet-live-01** **DOI: 10.1049/PBHE041E**	**1st**	**Editor/ Author**	**Edited Book**

Publisher: AIP Press

No of Books: 1

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Type
1.	2nd Online International Conference on Artificial Intelligence and Sustainable Computing for Smart Cities (AIS2C2)	AIP Press	ISBN: 978-0-7354-4762-2 ISSN: 0094-243X Vol. 2938 DOI: https://doi.org/10.1063/12.0021898	1st	Editor	Edited Book

Publisher: SPIE. Digital Library

No of Books: 1

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Type
1.	Fourth International Conference on Signal Processing and Computer Science (SPCS 2023)	SPIE. Digital Library	ISSN: 0277-786X ISSN (Electronic): 1996-756X ISBN: 9781510672505 ISBN (Electronic): 9781510672512 Vol: 12970 DOI: https://doi.org/10.1145/3674746	1st	Editor	Edited Book

Publisher: ACM Digital Library

No of Books: 3

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Type
1.	2024 4th International Conference on Robotics and Control Engineering (RobCE 2024)	ACM Digital Library	https://dl.acm.org/doi/proceedings/10.1145/3674746 ISBN: 979-8-4007-1648-2 DOI: https://doi.org/10.1117/12.3021798 Pages: 183	1st	Editor	Conference Proceedings Book
2.	2025 5th International Conference on Robotics and Control Engineering (RobCE 2025)	ACM Digital Library	https://dl.acm.org/doi/proceedings/10.1145/3733774 ISBN: 979-8-4007-1894-6 DOI: https://doi.org/10.1145/3733774	2nd	Editor	Conference Proceedings book
3.	2025 11TH Annual International Conference on Network and Information Systems For Computers (ICNISC 2025)	ACM Digital Library	https://dl.acm.org/doi/proceedings/10.1145/3776942 ISBN: 979-8-4007-1583-9 DOI:	1ST	Editor	Conference Proceedings Book

Publisher: Atlantis Press

No of Books: 1

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Sole/Co-Author/ Editor	Type
1.	Proceedings of the International Conference on Advancements in Computing Technologies and Artificial Intelligence (COMPUTATIA 2025)	Atlantis Press	ISSN: 1951-6851 (Electronic); 2731-7870 (Print) ISBN: 978-94-6463-699-4; 978-94-6463-700-7 (Ebook) DOI: https://doi.org/10.2991/978-94-6463-700-7 ; Vol: 189	1st	Editor	Edited Book of Conference Proceedings

Publisher: BPB/ABS/Thakur/VSRD/Scholar Press

No of Books: 17

Sr. No	Name of Book	Publisher Name	ISBN No	Edition	Revised Edition	Sole/Co-Author	Class
1.	Windows and Networking	ABS Publications	987-81-7072-121-5	1st- 2010	----	Co-Author	B.Com (Prof.) II G.N.D.U
2.	Computer Applications	ABS Publications	978-81-7072-118-5	1st- 2010	2nd 2011	Co-Author	B.Com (Prof.) I G.N.D.U
3.	Data Communications and Computer Networking	ABS Publications	978-81-7072-127-7	1ST- 2011		Sole Author	Refereed Book
4.	Computer Applications	ABS Publications	978-81-7072-134-5	1ST- 2012		Co-Author	P.S.E.B XI Class
5.	Computer Applications	ABS Publications	978-81-7072-135-2	1st- 2012		Co-Author	P.S.E.B. XII Class
6.	Computer Applications for Business	ABS Publications	978-81-7072-148-2	1st- 2013		Co-Author	B. Com (Prof.) Sem-II G.N.D.U
7.	Software Engineering & Project Management	Thakur Publications	978-93-83130-17-7	1st		Co-Author	MCA Sem-III PTU, Jal.
8.	Information Management	ABS Publications	978-81-7072-160-4	1st		Sole Author	MCA-I PTU, Jal.
9.	Data Warehousing and Data Mining	Thakur Publications	978-93-5163-015-9	1st		Co-Author	MCA-4th PTU, Jal.
10.	Embedded Systems	Thakur Publications	978-93-5163-133-0	1st		Co-Author	MCA-5th PTU, Jal.

11.	**Wireless Sensor Networks**	**VSRD Publications**	**978-93-86258-11-3**	**1st**		**Co-Author**	**Refereed Book**
12.	**Management Information Systems**	**VSRD Publications**	**978-93-86258-18-2**	**1st**		**Co-Author**	**Refereed Book**
13.	**Handbook of Arduino**	**Scholar-Press, Germany**	**978-3-330-65093-0**	**1st**		**Co-Author**	**Refereed Book**
14.	**Design and Analysis of Algorithms**	**Thakur Publications**	**978-93-86488-64-0**	**1st**		**Co-Author**	**MCA-5th PTU**
15.	**Handbook of SPSS**	**VSRD Publications**	**978-93-86258-72-4**	**1st**		**Co-Author**	**Refereed Book**
16.	**Handbook of Cloud Computing**	**BPB Publications**	**978-93-8817-666-8**	**1st**		**Editor & Author (2 Chapters)**	**Edited Book+ Refereed Book**
17.	**Instant Approach to Software Testing: Principles, Applications, Techniques and Practices**	**BPB Publications**	**978-93-88511-162**	**1st**		**Editor & Author (1 Chapter)**	**Edited Book + Refereed Book**

PATENTS

USA Patents

1. **In-memory management system and method using user traffic. Application Number: US20230179500A1; Patent No: US-11805041-B2. (Patent Granted). Dated: October 31, 2023**

Indian Patents

Indian Design Patents

Total Intellectual Properties Granted: 46

1. **Biomedical Equipment for Oral Radiographs. Application Number: 336976-001. Date of Registration: 30/12/2020. Journal No: 04/2021; Journal Date: 22/01/2021 (Patent Granted)**
2. **Tracheostomy Tube for Better Breath through Wind Pipe. Application Number: 348226-001. Date of Registration: 23/08/2021. Journal No: 42/2021; Journal Date: 15/10/2021 (Patent Granted)**
3. **Pneumatic Based Prosthetic Leg with Strong Springing Motion. Application Number: 348225-001. Date of Registration: 23/08/2021. Journal No: 42/2021; Journal Date: 15/10/2021 (Patent Granted)**
4. **Nasopharyngeal Swab Sampling Robot. Application Number: 347909-001. Date of Registration: 14/08/2021; Journal No: 42/2021; Journal Date: 15/10/2021 (Patent Granted)**
5. **Anti-Theft Drug Security Device. Application Number: 350729-001. Date of Registration: 05/10/2021; Journal No: 52/2021; Journal Date: 24/12/2021 (Patent Granted)**
6. **Mini Ethernet Convertor TCP/IP Module. Application Number: 350730-001. Date of Registration: 05/10/2021; Journal No: 50/2021; Journal Date: 10/12/2021 (Patent Granted)**
7. **Screw Less Bracket Cable for Electric Tooth Brush. Application Number: 358029-001. Date of Registration: 07/02/2022; Journal No: 13/2022; Journal Date: 01/04/2022 (Patent Granted)**
8. **Smart Tooth Pick Dispenser. Application Number: 358037-001. Date of Registration: 07/02/2022; Journal No: 15/2022; Journal Date: 15/04/2022 (Patent Granted)**
9. **Dental Intraoral Camera to Prevent Musculo-Skeletal Pain. Application Number: 358028-001. Date of Registration: 07/02/2022; Journal No: 16/2022; Journal Date: 22/04/2022 (Patent Granted)**

10. **X-Ray Machine. Application Number: 358449-001. Date of Registration: 12/02/2022; Journal No: 16/2022; Journal Date: 22/04/2022 (Patent Granted)**
11. **DIODE BRIDGE. Application Number: 336950. Date of Registration: 29/12/2020; Journal No: 44/2022; Journal Date: 04/11/2022 (Patent Granted)**
12. **Smart Gloves with Flexi Sensor for Remote Operation. Application Number: 362997-001. Date of Registration: 22/04/2022; Journal No: 51/2022; Journal Date: 23/12/2022 (Patent Granted)**
13. **Artificial Intelligence based Heart Rate Monitoring Device for Sports Training. Application Number: 370463-001. Date of Registration: 07/09/2022; Journal No: 51/2022; Journal Date: 23/12/2022 (Patent Granted)**
14. **Blockchain Enabled Device for Enhancing Computer Network Security. Application Number: 370531-001. Date of Registration: 08/09/2022; Journal No: 51/2022; Journal Date: 23/12/2022 (Patent Granted)**
15. **Wireless Device for Queue Management. Application Number: 356873-001. Date of Registration: 17/01/2022; Journal No: 11/2022; Journal Date: 18/03/2022 (Patent Granted)**
16. **Smart Energy Consumption Monitoring Meter. Application Number: 362254-001. Date of Registration: 08/06/2022; Journal No: 11/2022; Journal Date: 24/06/2022 (Patent Granted)**
17. **Device for Monitoring the Color & Texture of Samples. Application Number: 368553-001. Date of Registration: 20/04/2022; Journal No: 17/2022; Journal Date: 29/04/2022 (Patent Granted)**
18. **Device for Vehicle Drowsiness Detection and Alerting. Application Number: 368369-001. Date of Registration: 20/04/2022; Journal No: 16/2022; Journal Date: 22/04/2022 (Patent Granted)**
19. **IoT Enabled Hemoglobin Analyzer. Application Number: 355530-001. Date of Registration: 15/02/2022; Journal No: 07/2022; Journal Date: 18/02/2022 (Patent Granted)**
20. **An Intelligent Shopping Cart for Tracking Product using IoT. Application Number: 367570-001. Date of Registration: 19/04/2023; Journal No: 16/2023; Journal Date: 21/04/2023 (Patent Granted)**
21. **Biometric Attendance Device with Touch-Free Body Temperature Screening. Application Number: 360414-001. Date of Registration: 31/05/2022; Journal No: 22/2022; Journal Date: 03/05/2022 (Patent Granted)**
22. **Accident Notifying Device for Vehicles . Application Number: 360413-001. Date of Registration: 25/05/2022; Journal No: 24/2022; Journal Date: 17/06/2022 (Patent Granted)**
23. **Multi Utility Table. Application Number: 353926-001. Date of Registration: 13/01/2022; Journal No: 02/2022; Journal Date: 14/01/2022 (Patent Granted)**

24. **Micro channel heat exchanger for cooling of electronic chip. Application Number: 356591-001. Date of Registration: 11/03/2022; Journal No: 12/2022; Journal Date: 25/03/2022 (Patent Granted)**

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27. **Construction Block for Building. Application Number: 332834-001. Date of Registration: 17/05/2023; Journal No: 20/2023; Journal Date: 19/05/2023 (Patent Granted)**

28. **IoT Based Wearable Health Monitoring Device. Application Number: 380966-001. Date of Registration: 23/05/2023; Journal No: 21/2023; Journal Date: 26/05/2023 (Patent Granted)**

29. **Ultrasound Machine. Application Number: 380968-001. Date of Registration: 24/05/2023; Journal No: 21/2023; Journal Date: 26/05/2023 (Patent Granted)**

30. **Glucose Device for Diabetes Monitoring. Application Number: 381748-001. Date of Registration: 24/05/2023; Journal No: 21/2023; Journal Date: 26/05/2023 (Patent Granted)**

31. **Portable Device for Location Tracking. Application Number: 371901-001. Date of Registration: 07/06/2023; Journal No: 23/2023; Journal Date: 09/06/2023 (Patent Granted)**

32. **IoT Enabled Integrated Printer. Application Number: 383114-001. Date of Registration: 30/06/2023; Journal No: 26/2023; Journal Date: 30/06/2023 (Patent Granted)**

33. **Solar Mobile Charger. Application Number: 384206-001. Date of Registration: 10/08/2023; Journal No: 32/2023; Journal Date: 11/08/2023 (Patent Granted)**

34. **Artificial Intelligence Powered Robot for Home Assistance. Application Number: 400063-001. Date of Registration: 16/11/2023; Journal No: 03/2024; Journal Date: 19/01/2024 (Patent Granted)**

35. **IoT based Stress Detection Treadmill . Application Number: 406566-001. Date of Registration: 05/04/2024; Journal No: 14/2024; Journal Date: 04/05/2024 (Patent Granted)**

36. **IoT based Device for Recycling Plastic Waste . Application Number: 409622-001. Date of Registration: 02/05/2024; Journal No: 18/2024; Journal Date: 03/05/2024 (Patent Granted)**

37. **Smart Inhaler. Application Number: 409623-001. Date of Registration: 10/05/2024; Journal No: 19/2024; Journal Date: 10/05/2024 (Patent Granted)**

38. **Attendance Management System using Biometrics. Application Number: 409619-001. Date of Registration: 09/05/2024; Journal No: 19/2024; Journal Date: 10/05/2024 (Patent Granted)**
39. **Cell Phone Signal Booster. Application Number: 409620-001. Date of Registration: 17/05/2024; Journal No: 20/2024; Journal Date: 17/05/2024 (Patent Granted)**
40. **IOT Based System for Remote Patient Vital Signs Monitoring. Application Number: 420612-001. Date of Registration: 25/07/2024; Journal No: 30/2024; Journal Date: 26/07/2024 (Patent Granted)**
41. **Smart Nerve Activation Device for Healthcare Treatment. Application Number: 425803-001. Date of Registration: 12/09/2024; Journal No: 37/2024; Journal Date: 13/09/2024 (Patent Granted)**
42. **Processing Device for Tactile Feedback in Classroom Learning for Deaf Students. Application Number: 436206-001. Date of Registration: 16/01/2025; Journal No: 03/2025; Journal Date: 17/01/2025 (Patent Granted)**
43. **Portable Sign Language Display Device for Classroom Use. Application Number: 436207-001. Date of Registration: 28/01/2025; Journal No: 05/2025; Journal Date: 31/01/2025 (Patent Granted)**
44. **Agriculture Robot for Soil Tiling and Planting. Application Number: 456454-001. Date of Registration: 05/08/2025; Journal No: 32/2025; Journal Date: 08/08/2025 (Patent Granted)**
45. **IoT based UV-C Disinfecting Device for Laboratory Use. Application Number: 468712-001. Date of Registration: 06/11/2025; Journal No: 45/2025; Journal Date: 07/11/2025 (Patent Granted)**
46. **Processing Device for Agricultural Price Forecasting and Demand Estimation. Application Number: 491497-001. Date of Registration: 09/04/2025; Journal No: 15/2026; Journal Date: 10/04/2026 (Patent Granted)**

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1. **Internet of Things Sensors based System for Consumer Behavior Analysis using Neural Network. Application Number: 201921045998 A. Date of Filling: 12/11/2019. Date of Publication: 06/12/2019. (Patent Granted on "19th June, 2021")**

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Total Copyrights Granted: 3

1. **Self-Cleaning and Germ-Killing Revolving Public Toilet. Registration Number: L-103519/2021. Diary Number: 21651/2020-CO/L. Date of Grant: 20th May, 2021.**

2. **IoT Based Neonatal Caddy. Registration Number: L-112894/2022. Diary Number: 29791/2021-CO/L. Date of Grant: 9th March, 2022**

3. **IoT Based Sustainable Smart Water Quality Prediction System for Biofloc Agriculture. Registration Number: L-112896/2022. Diary Number: 29788/2021-CO/L. Date of Grant: 9th March, 2022**

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Total Copyrights Granted: 2

1. **ANALYSIS OF IOT BASED WEATHER MONITORING USING FUZZY LOGIC. Registration Number: 1189027. Date of Registration: 15 December, 2021. https://www.ic.gc.ca/app/opic-cipo/cpyrghts/dtls.do?fileNum=1189027&type=1&lang=eng**

2. **FM Transaction: A Tool Implemented with Internet of Things. Registration Number: 1188698. Date of Registration: 9 December, 2021. https://www.ic.gc.ca/app/opic-cipo/cpyrghts/dtls.do?fileNum=1188698&type=1&lang=eng**

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Total Patents Granted: 4

1. **An Electromagnetic Suspension-Based Power Generation System for Electric Vehicles. Patent Registration Number: 3238104. Utility Model Application Number: 2022-001435. Identification Number: 522175082. (Patent Granted: 21st June, 2022)**
2. **An Absorber System for harvesting Solar Energy. Patent Registration Number: 3239447. Utility Model Application Number: 2022-002699. Identification Number: 522175082 (Patent Granted: 5th October, 2022)**
3. **Actuator based on IoT- (To provide an IoT-Based actuator for improving performance). Patent Registration Number: 3242105. Utility Model Application Number: 2023-000959. Identification Number: 522175118 (Patent Granted: 18th May, 2023**
4. **Monitoring and Controlling Machine Parts- (IoT-based system and apparatus for monitoring and controlling a mechanical system). Patent Registration Number: 3242106. Utility Model Application Number: 2023-000960. Identification Number: 522175118 (Patent Granted: 18th May, 2023**

UK Patents

Total Patents Granted: 13

1. **IoT based Weather Signal Monitoring Device. Patent Registration Number: 6275827. https://www.registered-design.service.gov.uk/find/6275827. (Patent Granted: 27th April, 2023).**
2. **Artificial Intelligence based smart glasses for determining retinal stress. Patent Registration Number: 6285565. https://www.registered-design.service.gov.uk/find/6285565. (Patent Granted: 26th May, 2023).**
3. **IOT based camera for health care management. Patent Registration Number: 6288671. https://www.registered-design.service.gov.uk/find/6288671. (Patent Granted: 18th June 2023).**
4. **Apparatus for healing diabetic foot ulcer. Patent Registration Number: 6287718. https://www.registered-design.service.gov.uk/find/6287718. (Patent Granted: 14th June 2023).**
5. **Machine learning based robot for determining crop yield. Patent Registration Number: 6289798. https://www.registered-design.service.gov.uk/find/6289798. (Patent Granted: 21st June 2023).**
6. **Artificial Intelligence Based Skin Cancer Inspection Device. Patent Registration Number: 6293058. https://www.registered-design.service.gov.uk/find/6293058. (Patent Granted: 6th July, 2023).**

7. **AI based skin diseases detection medical device. Patent Registration Number: 6295343. https://www.registered-design.service.gov.uk/find/6295343. (Patent Granted: 17th July, 2023).**
8. **Street Light. Patent Registration Number: 6291640. https://www.registered-design.service.gov.uk/find/6291640. (Patent Granted: 10th August, 2023).**
9. **Smart Liquid Dispenser. Patent Registration Number: 6314788. https://www.registered-design.service.gov.uk/find/6314788. (Patent Granted: 3rd October, 2023).**
10. **Device to detect power consumption of renewable energy. Patent Registration Number: 6314737. https://www.registered-design.service.gov.uk/find/6314737. (Patent Granted: 3rd October, 2023).**
11. **Smart Humanoid Robot for Face Mask and Sanitizer Dispensing. Patent Registration Number: 6322576. https://www.registered-design.service.gov.uk/find/6322576. (Patent Granted: 7th November, 2023).**
12. **Smart Robotic Device for Dental Surgery. Patent Registration Number: 6359907 https://www.registered-design.service.gov.uk/find/6359907. (Patent Granted: 22nd April, 2024).**
13. **Smart Waste Sorting and Management System. Patent Registration Number: 6359908 https://www.registered-design.service.gov.uk/find/6359908. (Patent Granted: 22nd April, 2024).**

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Total Patents Granted: 16

1. **An IoT Based System for Monitoring and Feeding Pets. Ein IoT-gestütztes System zur Überwachung und Fütterung von Haustieren. Patent Number: 20 2022 100 253.3. Date of Registration: 28TH January, 2022. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020221002533**

2. **An IoT Based System to Detect Face Mask and Maintain Social Distance in A Premise. Ein IoT-basiertes System zur Erkennung von Gesichtsmasken und zur Wahrung der sozialen Distanz in einem Gebäude. Patent Number: 20 2022 100 252.5. Date of Registration: 11 February, 2022. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020221002525**

3. **Blockchain Enabled Portable Device for Public Distribution Centers. Blockchain-fähiges tragbares Gerät für öffentliche Vertriebszentren. Patent Number: 20 2022 101 609.7. Date of Registration: 13 April, 2022. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020221016097**

4. **An IoT Enabled Device for Warning People From Electrically Shorted Poles at Public Places Ein IOT-fähiges Gerät zur Warnung von Menschen vor elektrisch kurzgeschlossenen Masten an öffentlichen Plätzen. Patent Number: 20 2022 104 409.0. Date of Registration: 16 August, 2022. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020221044090&CURSOR=3**

5. **Responsible system based on artificial intelligence for intelligent and climate friendly energy production- Verantwortungsbewusstes System auf der Grundlage Künstlicher Intelligenz für eine intelligente und klimafreundliche Energieerzeugung. Patent Number: 20 2022 105 963.2. Date of Registration: 22nd November, 2022. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020221059632&CURSOR=0**

6. **Responsible artificial intelligence based system to reduce greenhouse gas emissions in 6G networks- Verantwortungsvolles, auf Künstlicher Intelligenz basierendes System zur Verringerung der Treibhausgasemissionen in 6G-Netzen. Patent Number: 20 2022 105 964.0. Date of Registration: 22nd November, 2022. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020221059640&CURSOR=0**

7. **IoT based air device to detect and monitor carbon dioxide in an environment- IoT-basiertes Luftgerät zur Erkennung und Überwachung von Kohlendioxid in einer Umgebung. Patent Number: 20 2023 103 484.5. Date of Registration: 13TH July, 2023. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020231034845&CURSOR=0**

8. **AN INTERNET OF NEURO-NANO THINGS (IONNT) FOR LANGUAGE COMMUNICATION IN THE Speech AND HEARING-IMPAIRED COMMUNITIES: SYSTEM AND APPARATUS- Ein Internet auf Neuro-Nano-Dingen basierendes Gerät für die Sprachkommunikation für sprach- und hörbehinderte Benutzer. Patent Number: 20 2023 105 179. Date of Registration: 19th September, 2023. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020231051790**

9. **Internet of Seismological Thing (IoST) For Combating Earthquakes- System and Apparatus- Ein auf dem Internet Seismologischer Dinge basierendes Sensorsystem zur genauen Erfassung seismischer Aktivitäten. Patent Number: 20 2023 105 180. Date of Registration: 24th October, 2023. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020231051804**

10. **Internet of Nano-Dental Things (IoNDT) Toward Dentistry 5.0 Realization: A System and Apparatus- Ein System des Internets von Nano-Dentalen Dingen. Patent Number: 20 2023 105 748. Date of Registration: 30th October, 2023. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020231057489**

11. **Internet of Methane Removal Things (IOMRT) For Combating Climate Change: System and Apparatus- Internet der Methan abbauenden Dinge (IoMRT)-Messgerät. Patent Number: 20 2023 105 749. Date of Registration: November 22, 2023. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020231057497&CURSOR=10**

12. **AI Enhanced Collaborative Design Smart Tool for Usable UI Design Generation- Auf künstlicher Intelligenz basierendes intelligentes System zur Erstellung benutzerfreundlicher Benutzeroberflächen. Patent Number: 20 2024 102 342. Date of Registration: June 27, 2024. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020241023420&CURSOR=0**

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16. **Internet of Things intelligent and artificial intelligence based system for charging and maintaining electric vehicles- Internet der Dinge intelligentes und auf künstlicher Intelligenz basierendes System für das Aufladen und die Wartung von Elektrofahrzeugen. Patent Number: 20 2024 106 028.8. Date of Registration: November 26, 2024. https://register.dpma.de/DPMAregister/pat/register?AKZ=2020241060288&CURSOR=15**

Australian Patents

Total Patents Granted: 18

1. **Velocity and Network Condition based Selection Method for WiMAX/WLAN Integrated Networks.**

   Patent Number: 2020102358. Date of Grant: 21st October, 2020.

2. **Edge Preserving Image Smoothing Benchmark System with Deep Convolutional Neural Network.**

   Patent Number: 2020102385. Date of Grant: 21st October, 2020

3. **Drowsy Driver Detection System Using Average Local Binary Structure.**

   Patent Number: 2020102438. Date of Grant: 28th October, 2020

4. **LoRa- ZigBee Hybrid Smart Communication System.**

   Patent Number: 2020102711. Date of Grant: 18th November, 2020

5. **Digital Imaging Methods and System for Processing Agar Plate Images for Automated Diagnosis. Patent Number: 2020103713. Date of Grant: 3rd Feb, 2021**

6. **A Smart Meter for Design Measurement and Data Collection for Smart Grid.**

   Patent Number: 2020104384. Date of Grant: 3rd March, 2021

7. **Home Automation based on User Detection Using Internet of Things**

   Patent Number: 2021100439. Date of Grant: 7th April, 2021

8. **An Artificial Intelligence based system to identify the medical condition prior to doctor consultation**

   Patent Number: 2021101576. Date of Grant: 28th April, 2021

9. **IoT based Gas Leakage Prevention System**

   Patent Number: 2021101582. Date of Grant: 5th May, 2021

10. **A Wireless Networking of Medical Equipment's on Mobile Application for Paperless Clinic**

    Patent Number: 2021101362. Date of Grant: 12th May, 2021

11. **An IoT based Solar Washing Machine**

    Patent Number: 2021103399. Date of Grant: 16th June, 2021

12. **A System based on Artificial Intelligence and Machine learning on Traffic Control**

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13. **A System based on Artificial Intelligence for Recognition of Emotional Status**

    Patent Number: 2021104079. Date of Grant: 23rd March, 2022

14. **Walking Stick for Blind Person with Multiple Sensors**

    Patent Number: 2021104044. Date of Grant: 6th April, 2022

15. **Solar Assisted System and Method for Water De-Fluoridation**

    Patent Number: 2021103219. Date of Grant: 13th April, 2022

16. **An Artificial Intelligence based IoT Enabled Drowsiness Detection System**

    Patent Number: 2021104783. Date of Grant: 13th April, 2022

17. **Advanced Digital Test Rig – Iron Removal Filter for Borewell Water**

    Patent Number: 2021102666. Date of Grant: 20th April, 2022

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    Patent Number: 2021102665. Date of Grant: 27th April, 2022

Special Issues- Guest Editor

Total Completed: 16

SCOPUS/ESCI Indexed

1. **Special Issue on "*Recent Trends and Future of Fog and Edge Computing, Services and Enabling Technologies*" –Scalable Computing: Practice and Experience. (SCOPUS, ESCI Indexed)—Vol. 20, No 2. https://scpe.org/index.php/scpe/Call-issue-2-2019**

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17. ***Tokenomics and FinOps Strategies for AI services. Link: https://cxotechmagazine.com/tokenomics-and-finops-strategies-for-ai-services/***

18. ***The Future of the CXO Role with Ambient and Assisted AI Agents. Link:*** ***https://cxotechmagazine.com/the-future-of-the-cxo-role-with-ambient-and-assisted-ai-agents/***
19. ***Principles for Safe Autonomous-Agent Operation for Better AI Governance.*** ***https://cxotechmagazine.com/principles-for-safe-autonomous-agent-operation-for-better-ai-governance/***
20. ***Sovereign Cloud Strategy.*** ***https://cxotechmagazine.com/sovereign-cloud-strategy/***
21. **A CIO Perspective on Enterprise Adoption of Open-Source LLM Models for Building Cost-Effective AI Solutions. https://cxotechmagazine.com/a-cio-perspective-on-enterprise-adoption-of-open-source-llm-models-for-building-cost-effective-ai-solutions/**
22. **Defining the AI Journey from Task Automation to Trusted Enterprise Autonomy. https://cxotechmagazine.com/defining-the-ai-journey-from-task-automation-to-trusted-enterprise-autonomy/**
23. **From Intelligent Automation to Adaptive Operations: The Role of Physical AI in Elevating Supply Chain Solution Development. https://cxotechmagazine.com/from-intelligent-automation-to-adaptive-operations-the-role-of-physical-ai-in-elevating-supply-chain-solution-development/**
24. **Cloud Repatriation Reimagined: Building a Cost-Optimized, Sovereign, and Workload-Aware Hybrid Future. https://cxotechmagazine.com/cloud-repatriation-reimagined-building-a-cost-optimized-sovereign-and-workload-aware-hybrid-future/**

Cavli Wireless

https://www.cavliwireless.com/

Total Articles: 1

1. **AI+IOT Convergence in the 5G->6G Transition Era. Pg. 68-69. https://www.cavliwireless.com/cavli360/edition-1**

Research Recognitions

JOURNAL'S REVIEWER

https://www.webofscience.com/wos/op/editorial-board-membership/summary

- **IEEE Access**
- **Sensors- MDPI**
- **Multimedia Tools and Applications- Springer**
- **Recent Patents on Computer Science- Bentham Science**
- **Evolutionary Intelligence- Springer**
- **Wireless Networks- Springer**
- **International Journal of Sensors, Wireless Communications, and Control- Bentham Science**
- **International Journal of Cognitive Informatics and Natural Intelligence- IGI-Global**
- **International Journal of Information System Modeling and Design (IJISMD)- IGI-Global**
- **Recent Patents on Engineering- Bentham Science**
- **International Journal of Communication Systems- Wiley**
- **Journal of Network and Computer Applications- Elsevier**
- **International Journal of E-Health and Medical Communications (IJEHMC)- IGI-Global**
- **Neural Computing and Applications- Springer**
- **International Journal of Computer Science, Engineering and Information Technology- AIRCC Publishers**
- **Sustainable Cities and Society- ELSEVIER**
- **IEEE Transactions on Industrial Informatics**
- **Computers and Electrical Engineering- Elsevier**
- **International Journal of Distributed Systems and Technologies (IJDST)- IGI-Global**
- **International Journal of Information Security and Privacy (IJISP)- IGI-Global**
- **International Journal of Advanced Computer Science and Applications (IJACSA)- SAI Organization**

- **Computers, Material and Continua -Tech Science Press**
- **Journal of Big Data – Springer**
- **Peer to Peer Networking and Applications – Springer**
- **Turkish Journal of Electrical Engineering and Computer Sciences**
- **International Journal of Web-Based Learning and Teaching Technologies (IJWLTT)- IGI-Global**
- **International Journal of Network Security and its Applications**
- **SN Applied Sciences- Springer**
- **SN Computer Science- Springer**
- **Journal of King Saud University- Computer and Information Science- Elsevier**
- **Cybernetics and Information Technologies**
- **IEEE Internet of Things Magazine**
- **International Journal of Distributed Sensor Networks- Sage Publishers**
- **International Journal of Innovative Computing and Applications- Inderscience**
- **Expert Systems with Applications- Elsevier**
- **International Journal of Blockchains and Cryptocurrencies- Inderscience**
- **Journal of Computer Science- Science Publications**
- **IEEE Internet of Things Journal**
- **Wireless Communications and Mobile Computing- Hindawi**
- **Heliyon- Elsevier**
- **IEEE Network Magazine**
- **Concurrency and Computation: Practice and Experience**
- **International Journal of Ad Hoc, Sensor and Ubiquitous Computing- AIRCC**
- **International Journal of Business Intelligence and Data Mining- Inderscience**
- **International Journal of e-collaboration (IJeC)- IGI-Global**
- **Open Computer Science- De GRUYTER**
- **Complexity- Hindawi**
- **Computer Communications- Elsevier**
- **Journal of Intelligent and Fuzzy Systems- IOS Press**
- **Journal of Sensors – Hindawi**

- **Mathematical Problems in Engineering- Hindawi**
- **Applied Soft Computing- Elsevier**
- **Complex and Intelligent Systems- Springer**
- **Computational Intelligence- Wiley**
- **Computing- Springer**
- **Journal of Reliable Intelligent Environments- Springer**
- **Mobile Networks and Applications- Springer**
- **Mobile Information Systems- Hindawi**
- **Security and Communication Networks- Hindawi**
- **Security and Privacy- Wiley**
- **The Journal of Super Computing- Springer**
- **Transactions on Emerging Telecommunications Technologies- Wiley**
- **Applied Computing and Informatics- Emerald**
- **International Journal of Grid and Utility Computing- Inderscience**
- **Journal of Computer Networks and Communication- Hindawi**
- **PeerJ Computer Science**
- **Scalable Information Systems**
- **Simulation: Transactions of the Society for Modeling and Simulation International- Sage Publishers**
- **Sustainable Computing: Informatics and Systems- Elsevier**
- **Vehicular Communications- Elsevier**
- **Adhoc Networks- Elsevier**
- **Artificial Intelligence Review- Springer**
- **Cluster Computing- Springer**
- **Computer Applications in Engineering Education- Wiley**
- **Earth Science Informatics- Springer**
- **Engineering Applications of Artificial Intelligence- Elsevier**
- **IEEE Transactions on Network Science and Engineering**
- **IET Wireless Sensor Systems**
- **IETE Journal of Research**

International Journal's Associations

- **Editorial Board:** **Computer Communications- Elsevier, ISSN: 0140-3664**

  https://www.sciencedirect.com/journal/computer-communications/about/editorial-board

- **Editorial Board:** **International Journal of Sensor Networks (IJSNET). ISSN: 1748-1287; 1748-1279.**

  https://www.inderscience.com/jhome.php?jcode=ijsnet#edboard-content

- **Editorial Board: Intelligent Automation and Soft Computing (IASC)—SCIE Indexed. ISSN No: 1079-8587 (Print); 2326-005X (Online)**

  https://www.techscience.com/iasc/editors

- **Associate Editor:** **Human Centric Computing and Information Sciences (HCIS). ISSN: 2192-1962.**

  http://hcisj.com/about/editorial_board.php

- **Associate Editor:** **Indonesian Journal of Electrical Engineering and Computer Science. ISSN: 2502-4752; 2502-4760**

  https://ijeecs.iaescore.com/index.php/IJEECS/about/editorialTeam

- **Associate Editor:** **IEEE Transactions on Artificial Intelligence, IEEE, USA.**

  https://cis.ieee.org/publications/ieee-transactions-on-artificial-intelligence/editors-and-associate-editors

- **Associate Editor:** **International Journal of Knowledge and Systems Science (IJKSS). IGI-Global, USA. ISSN No: 1947-8208; E-ISSN: 1947-8216. DOI: 10.4018/IJKSS**

  https://www.igi-global.com/journal/international-journal-knowledge-systems-science/1169

- **Associate Editor:** **International Journal of Information Security and Privacy (IJISP)- ESCI, SCOPUS, EI, INSPEC (Indexed). ISSN No: 1930-1650; E-ISSN: 1930-1669; DOI: 10.4018/IJISP—IGI Global**

  https://www.igi-global.com/journal/international-journal-information-security-privacy/1096

- **Associate Editor:** **International Journal of Distributed Systems and Technologies (IJDST)- ESCI, SCOPUS, EI, INSPEC (Indexed). ISSN No: 1947-3532, EISSN: 1947-6540. –IGI Global**

  https://www.igi-global.com/journal/international-journal-distributed-systems-technologies/1164#indices

- **Associate Editor:** **International Journal of Cognitive Informatics and Natural Intelligence (IJCINI)- ESCI, Scopus, Web of Science, DBLP, ACM (Indexed). ISSN No: 1557-3958; EISSN: 1557-3966—IGI-Global**

https://www.igi-global.com/journal/international-journal-cognitive-informatics-natural/1095

- **Associate Editor:** **International Journal of Swarm Intelligence Research (IJSIR)- EI Compendex, INSPEC, Scopus, Web of Science. ISSN No: 1947-9263; 1947-9271- IGI-Global**

https://www.igi-global.com/journal/international-journal-swarm-intelligence-research/1149#indices

- **Associate Editor:** **International Journal of Software Innovation (IJSI)- Scopus, ESCI (Impact Factor: 0.6), Web of Science and others. ISSN No: 2166-7160; 2166-7179- IGI-Global.**

https://www.igi-global.com/journal/international-journal-software-innovation/64245

- **Editorial Review Board:** **International Journal of Business Data Communications and Networking (IJBDCN)- 1548-0631; 1548-064X—Web of Science Indexed.**

https://www.igi-global.com/journal/international-journal-business-data-communications/1087

- **Advisory Board: International Journal of Intelligent Engineering and Systems. ISSN: 2185-3118**

  https://inass.org/publications/pub-editorial/

- **Editorial Board: International Journal of Artificial Intelligence in Healthcare-Inderscience Publishers. ISSN: 3050-2470; 3050-2462**

  https://www.inderscience.com/jhome.php?jcode=ijaih

- **Associate Editor: Inderscience: International Journal of Blockchains and Cryptocurrency. ISSN: 2516-6433; 2516-6425.**

  https://www.inderscience.com/jhome.php?jcode=ijbc

(Tech Events/Industry Events Associations)

- **Mentor & Speaker: GDG Mientrung---DevFest 2018. https://devfest18.gdgmientrung.com/en/#speaker**
- **Indian Didactics Association-Virtual Global Round Table Conference- Viet Nam Topic on "Education 4.0: Pedagogy's Role in Blended Learning"**
- **Chief Guest: SMART India Hackathon 2020.**
- **Chief Guest: Valedictory Function "AICTE Sponsored Two-Weeks FDP Program on "Artificial Intelligence and its Applications in Biomedical Engineering" being organized by Rajashri Shahu College of Engineering, Pune, India.**
- **Chief Guest: "Multidisciplinary International Conference on Futuristic Trends for Sustainable Ecosystem"—Valedictory Function, being organized by Rai University, India.**
- **Chief Guest: "Engineer's Day"- Engineering for Sustainable Development, organized by G.H. Raisoni Institute of Business Management, Jalgoan, India.**
- **Chief Guest: Engineers Day- Engineering Empowering Nation at SIRT (Sagar Group of Institutions), Bhopal, India.**
- **Primary Evaluator: Toycathon 2021**
- **Chief Guest: International Conference on Recent Trends in Machine Learning and Computing System (RTMCS 2021) being organized by Department of Information Science and Engineering and CSE at Vidyavardhaka College of Engineering, Mysuru, India.**
- **Chief Guest: STTP on Emerging Trends in AL and ML organized by Rajarshi Shahu College of Engineering, India.**
- **Chief Guest: ATAL AICTE Sponsored Online Faculty Development Program on Artificial Intelligence and its Application in Research organized by Rajarshi Shahu College of Engineering, India.**

(Visiting Professor / Scientist / Consultant Associations)

- **Visiting Honorary Adjunct Faculty to School of Computing, Maryam Abacha American University of Nigeria, Maaun Kano.**

  https://maaun.edu.ng/international-faculty/
- **Adjunct Research Faculty to Lincoln Global PostDoctoral Researcher (LGPR) Program at Lincoln University College, Malaysia**
- **Visiting/Adjunct Professor to Gautam Buddha University, Noida, India.**
- **Professional Ambassador to IFERP, India.**
- **Board of Studies Member to Center for Research and Development (CFRD), Sri Eshwar College of Engineering, Coimbatore, India.**
- **Mendeley Advisor to Mendeley Association.**
- **Board of Studies Member, Department of Electrical and Electronics Engineering to JSPM, Pune.**
- **Research Fellow to INTI International University, Malaysia.**
- **Board of Studies Member to Information Technology and Artificial Intelligence, K.J Somaiya School of Engineering (KJSSE), Mumbai, India.**
- **Board of Studies to MIT Vishwaprayag University, Solapur, India.**
- **Honorary Adjunct Professor to Narnarayan Shastri Institute of Technology, Gandhinagar, India.**
- **Visiting Scientist to AI Convergence Lab, Chungbuk National University, South Korea. https://aiconvergencelab.com/index.html#team**

(Conference's Invited Talk)

1. *Missiles & their Attacking System*- **An Invited Talk in LASER-11 Conference being organized by Baba Farid Institute of Engineering & Technology.**
2. *Mobile Computing and Wireless Communications*-**An Invited talk in AISE-2012 Conference organized by Guru Ram Das Institute of Engineering and Technology, Bathinda.**
3. *Smartphones and Hacking*- **An Invited Talk cum Workshop delivered on UGC Sponsored National Conference on Internet Commerce organized by Sant Hira Dass Kanya Mahavidyalaya, Kala Sanghian, Kapurthala.**
4. *Artificial Intelligence and Robotics*-**An Invited Talk delivered on UGC Sponsored National Seminar on Social Implications of Artificial Intelligence organized by Kanya Maha Vidyalaya, Jalandhar.**
5. *Wireless Sensor Networks*-**An Invited Talk delivered on UGC Sponsored National Seminar on Emerging Trends in IT organized by Sikh National College, Banga.**
6. *Digital Image Processing*- **An Invited Talk delivered on UGC Sponsored National Seminar on Image Processing organized by RR Bawa DAV College for Girls, Batala.**
7. *Neuro Fuzzy Systems and its Applications*-**An Invited Talk delivered on UGC Sponsored National Conference on Recent Trends in Discrete and Fuzzy Mathematics organized by DAV College, Jalandhar.**
8. *Network Security using Firewall and Mobile Adhoc Networks*- **an Invited Talk delivered on 2nd National Conference on Next Generation Computing and Information Security-Emerging Trends and Challenges organized by Institute of Management Studies (IMS), Noida.**
9. *Wireless Sensor Networks & Its Applications cum Research Issues*-**An Invited Talk delivered on AICTE, CSI Sponsored International Conference on Advanced Information Communication Technology in Engineering organized by The Technological Institute of Textile & Sciences (TITS), Bhiwani, Haryana.**

10. *Raspberry Pi and Cloud Computing*-**An Invited Talk delivered on 2nd International Conference on Innovation and Sustainability Managing for Change (Management and Computer Science) organized by Hindu Institute of Management, Sonipat.**

11. *Cyber Security and Raspberry Pi ($25 Computer)* - **An Invited Talk Delivered at International Conference on Computer Science and Information Technology: Trends, Challenges and Issues (CSIT-TCI 2015) by Rukhmani Devi Institute of Advanced Studies, New Delhi.**

12. *Swarm Intelligence*- **An Invited Talk Delivered at International Conference on Advanced Computing and Communication Technologies (ACCT15), Organized by RG Educational Society, Rohtak.**

13. *Swarm Intelligence and Its Simulation*- **An Invited Talk Delivered at UGC Sponsored National Conference on Emerging Trends in Computer Science and Information Systems (NCETCSIS 2015) at Maharaja Agrasen College, University of Delhi, New Delhi.**

14. *Cyber Security*- **An Invited Talk Delivered at DEITY, CERT, ISTE Sponsored National Conference on Emerging Trends in Information Technology: Cyber Security: A Panoramic View at Institute of Information Technology and Management cum Institute of Innovations in Technology and Management at New Delhi.**

15. *Business Intelligence*- **An Invited Talk Delivered at PCMA Sponsored 1st National Conference on Contemporary Issues in Commerce and Management at Guru Kashi University, Talwandi Sabo, Punjab.**

16. *Internet of Things (IoT)*- **An Invited Talk Delivered at International Conference on Innovative Research in Engineering Science, Information and Communication Technology (ICREICT 2015) being organized by IRD India at Lala Lajpat Rai College of Engineering and Technology, Moga, Punjab, India.**

17. *Swarm Intelligence and Live Demonstration of Data Glove*- **An Invited Talk Delivered at National Conference on Recent Trends in Mathematics and Computational Techniques at Dev Samaj Post Graduate College for Women, Ferozepur City.**

18. *Cloud Computing and Cyber Security*- **An Invited Talk Delivered at National Conference on Recent Advancements in Science, Commerce and Technology (NCRSCT 2016) at Mata Sahib Kaur Girls College, Talwandi Sabo.**

19. *Wireless Sensor Networks and Live Demonstration of Sensors- WSN Kit and WSN Simulation Tools*- **An Invited Talk Delivered at National Conference on Recent Developments in Engineering and Technology (RDET 2017) at Gurukul Vidyapeeth Institute of Engineering and Technology, Rajpura, Punjab.**

20. *Google Machine Learning Kit (Google ML)*- **An Invited Talk Delivered at Google I/O Mien Trung, Da Nang, Vietnam.**

    https://io2018.gdgmientrung.com/

21. *Internet of Things & IoT in Finance*- **An Invited Talk Delivered at FinTech 2018 at Da Nang Software Park, FinTech 2018 Day, Da Nang, Vietnam.**

    http://ictnews.vn/khoi-nghiep/fintech/da-nang-nhieu-co-hoi-tro-thanh-trung-tam-cua-cong-nghe-fintech-169194.ict

22. Career in Programming- **An Invited Talk delivered at Developer Student Club (DSC)- Duy Tan University, Da Nang, Viet Nam.**

23. *Transforming the Future with Internet of Things*- **An Invited Talk Delivered at Two Day International Conference on Data Science, Machine Learning and Blockchain (AICDMB 2020) being organized at Vidyavardhaka College of Engineering, Mysore.**

(Conference Chair/Co-Chair/Keynote Speaker/Special Guest)

National Conferences

1. ***Session Chair & Session Co-Chair* in *(Laser-11)* Conference by Baba Farid Group of Institutions in following sessions:**

    i. **Computer Science & Engineering (1 Session-Chair & 1 Session Co-Chair)**
    ii. **Information Technology (1 Session Co-Chair)**

2. ***Session Chair* in *(Raise-2012)* Conference by Guru Ram Das Institute of Engineering and Technology in following session:**

    i. **Computer Science and Engineering (1 Session-Chair)**

3. ***Keynote Speaker* in UGC Sponsored National Conference on Internet Commerce by Sant Hira Dass Kanya Mahavidyalaya, Kala Sanghian, Distt. Kapurthala.**

4. ***Guest of Honor cum Resource Person* in UGC Sponsored National Conference on Emerging Trends in IT being organized by Sant Hira Dass Kanya Mahavidyalaya, Kala Sanghian, Distt. Kapurthala.**

5. ***Guest of Honor cum Invited Guest* in UGC Sponsored National Seminar on Social Implications of Artificial Intelligence organized by Kanya Maha Vidyalaya, Jalandhar.**

6. ***Guest of Honor cum Resource Person* in UGC Sponsored National Seminar on Emerging Trends in IT organized by Sikh National College, Banga.**
7. ***Guest of Honor cum Resource Person* in UGC Sponsored National Seminar on Image Processing organized by RR Bawa DAV College for Girls, Batala.**

8. ***Guest of Honor cum Resource Person* in UGC Sponsored National Conference on Recent Trends in Discrete and Fuzzy Mathematics organized by DAV College, Jalandhar.**

9. ***Session Chair* in UGC Sponsored National Conference on Emerging Trends in Computer Science and Information Systems (NCETCSIS-2015) being organized by Maharaja Agrasen College, University of Delhi, New Delhi.**

10. ***Session Co-Chair (Technical Session –II)*** **at DEITY, CERT and ISTE Sponsored National Conference on Emerging Trends in Information Technology: Cyber Security: A Panoramic View at Institute of Information Technology and Management cum Institute of Innovations in Technology and Management at New Delhi.**

11. ***Session Chair (Technical Session –I)*** **at PCMA Sponsored 1st National Conference on Contemporary Issues of Commerce and Management at Guru Kashi University, Talwandi Sabo, Punjab.**

12. ***Session Chair (Technical Session- I)*** **at National Conference on Recent Trends in Mathematics and Computational Techniques at Dev Samaj Post Graduate College for Women, Ferozepur City, Punjab.**

13. ***Session Chair (Technical Session-I + Judge-PPT Competition)*** **at National Conference on Recent Advancements in Science, Commerce and Technology (NCRSCT 2016) at Mata Sahib Kaur Girls College, Talwandi Sabo.**

14. ***Session Co-Chair (Technical Session II)*** **at 8th National Conference on Innovations for Sustainable Business being organized by Apeejay School of Management, Dwarka, New Delhi.**

15. ***Keynote Speaker at*** **National Conference on Recent Developments in Engineering and Technology (RDET 2017) being organized by Gurukul Vidyapeeth Institute of Engineering and Technology, Rajpura, Punjab.**

16. ***Keynote Speaker*** **at National Conference on Current Trends in Computational Sciences (CTCS 2018) being organized by Annai Violet College of Arts and Science, Menambedu, Ambattur, Chennai. Topic: Industry 4.0.**

17. ***Keynote Speaker*** **at 5th National Scientific Conference on Applying New Technology in Green Buildings (ATiGB 2019) being organized at The University of Da Nang- University of Technology and Education. Topic: Discussion of Green Building Trend in Viet Nam- Latest Happening and Future Directions to become Green Building Country in World.**

International Conferences

1. ***Session Co-Chairman* in 4th International Conference on Emerging Trends in Engineering & Technology (IETET 2013) organized by Geeta Institute of Management & Technology, Kanipla, Kurukshetra.**

2. ***Session Chair cum Resource Person* in International Conference on Advanced Information Communication Technology in Engineering (ICAICTE –2K13) organized by The Technological Institute of Textile & Sciences (TITS), Bhiwani, Haryana.**

3. ***Chief Guest cum Session Chairman* in International Conference on Computer Science & Engineering organized by IRAJ Association in New Delhi.**

4. ***Session Chair & Co-Chair* in 4th International Conference on Advanced Computing and Communication Technology (ACCT14) being organized by RG Educational Society-Rohtak, Haryana.**

5. ***Chief Guest cum Session Chairman* in 3rd International IRF Conference on Computer Science & Engineering organized by IRAJ Association in New Delhi on 12 April, 2014.**

6. ***Chief Guest cum Session Chairman* in 4th IRAJ SARC International Conference on Computer Science & Engineering organized by IRAJ Association in New Delhi on April 27, 2014.**

7. ***Chief Guest cum Session Chairman* in 5th IRAJ SARC International Conference on Computer Science & Engineering organized by IRAJ Association in New Delhi on May 25, 2014.**

8. ***Chief Guest cum Session Chairman* in 6th IRAJ SARC International Conference on Computer Science & Engineering organized by IRAJ Association in New Delhi on July 6, 2014.**

9. ***Chief Guest cum Session Chairman* in 7th IRAJ SARC International Conference on Computer Science & Engineering organized by IRAJ Association in New Delhi on August 3, 2014.**

10. ***Session Co-Chair in* 2nd International Conference on Innovation and Sustainability Managing for Change (Management and Computer Science) organized by Hindu Institute of Management, Sonipat in Jan 25, 2015.**

11. ***Guest of Honor cum Session Chair in*** **International Conference on Computer Science and Information Technology: Trends, Challenges and Issues (CSIT-TCI 2015) by Rukhmani Devi Institute of Advanced Studies, New Delhi in Jan 30-31, 2015.**

12. ***Session Chair cum Guest of Honor*** **at IEEE Sponsored 5th International Conference on Advanced Computing and Communication Technologies (ACCT15), Organized by RG Educational Society, Rohtak in Feb 20-21, 2015.**

    a. **Sessions Chaired: Advanced Computing, Computer Vision, Wireless Sensor Networks, and Artificial Intelligence.**

13. ***Session Chair cum Guest of Honor*** **in International Colloquium on Contemporary Issues in Language Learning, Teaching, Literature, Media and Culture organized by Indo Global Chamber of Commerce, Industries and Agriculture in Association with Confederation of Indian Universities (CIU) at India International Center on March 15, 2015.**

    a. **Session Chaired: Engineering and Management-Technical Session.**

14. ***Keynote Speaker cum Session Chair*** **in International Conference on Innovative Research in Engineering Science, Information and Communication Technology (ICREICT 2015) being organized by IRD India at Lala Lajpat Rai College of Engineering and Technology, Moga, Punjab, India.**

    a. **Session Chaired: Computer Science and Information Technology**

15. ***Session Chair*** **in International Conference on Green Computing and Internet of Things (ICGCIoT 2015) being organized by Galgotia College of Engineering and Technology, Greater Noida, India.**

    a. **Session Chaired: Wireless Communication Engineering and Technology**
        a. **Eco-Friendly Computing and Communication Resources**

16. ***Session Chair and Guest of Honor*** **in Sixth International Conference on Advanced Computing and Communication Technologies (ACCT16) organized by RG Education Society, Rohtak.**

17. ***Session Chair and Guest of Honor*** **in International Conference on Communication and Computing Systems (ICCCS2016) at Dronacharya College of Engineering, Gurgaon.**

18. ***Keynote Speaker*** **in International Conference on Recent Innovations in Engineering, Science, Humanities and Management (ICRIESHM-17) at Dev Samaj College for Women, Ferozepur, India.**

19. ***Keynote Speaker*** **in International Conference on International Business-Emerging Trends, Opportunities and Challenges (CIB 2017) at Apeejay School of Management, Dwarka, New Delhi.** ***Talk on "Internet of Things (IoT)".***

20. ***Keynote Speaker*** **in 8th International Conference on Engineering and Advancement in Technology (ICEAT 2018) at Shri Krishna College of Technology, Coimbatore.** ***Talk on "Flying Adhoc Networks".***

21. ***Keynote Speaker*** **in International Conference on Advances in Big Data, Computing and Data Communication Systems (icABCD 2018) being organized at Durban, South Africa.** ***Talk on "Modern Scenario of Drones".***

22. ***Keynote Speaker cum Session Chair*** **in 7th International Conference on Frontiers of Intelligent Computing: Theory and Application (FICTA 2018) being organized at Duy Tan University, Da Nang, Vietnam.** ***Talk on "Internet of Drone Things (IoDT)"***

    Session Chaired: Fuzzy Systems, Artificial Intelligence and Machine Learning; Trends in Big Data and Web Technologies.

23. ***Keynote Speaker*** **in 2018 International Conference on Intelligent & Innovative Computing Applications (ICONIC 2018) being organized at Holiday Inn, Plaine Magnien, Mauritius.** ***Talk on Blockchain, Bitcoin and Next…?***

24. ***Keynote Speaker cum Session Chair*** **in 3rd International Conference on Data Management, Analytics and Innovation (ICDMAI 2019) being organized at Kuala Lumpur, Malaysia.** ***Talk on "Industry 4.0"***

    Session Chaired: Track 1: Data Management & Smart Informatics

25. ***Keynote Speaker*** **in International Virtual Conference on "Recent Developments in Computer Vision and Its Emerging Applications (IVCRCVE 2019)".** ***Talk on "Machine Vision for Intelligent Drones"***

26. ***Keynote Speaker*** **in International Virtual Conference on "Advances in Computing and Information Technology (IVACIT-2019)".** ***Talk on "Industry 4.0 and Smart Industries Transformation".***

27. ***Keynote Speaker*** **in Blockchain Society Seminar.** ***Talk on "Blockchain Technology".***

28. ***Keynote Speaker in*** **International Virtual Conference on "Current Trends in Artificial Intelligence and Information Security (IVCCTAIIS-2019)". Talk on "*Artificial Intelligence in Cyber Security".***

29. ***Keynote Speaker cum Chief Guest*** **in Two Day "International Conference on Data Science, Machine Learning and Blockchain (AICDMB 2020)". Talk on "*Transforming Future with Internet of Things".***

30. ***Keynote Speaker cum Conference Chair, Session Chair, Session Co-Chair, Chief Guest*** **in Two Day "2020 5th International Conference on Intelligent Information Technology (ICIIT 2020)" at Hanoi, Viet Nam. Talk on "Industry 4.0- Transforming Traditional Industries to Smart Manufacturing Industries".**

31. **Session Chair in 1ST International Conference on Computer Science, Communication and Security (COMS2-2020) being organized by Ganpath University, Gujarat, India.**

32. ***Keynote Speaker*** **in 6th International Conference on Optimization and Applications (ICOA 2020) being organized at Morocco. Talk on "*Industry 4.0: Transformation of Traditional Industries to Smart Manufacturing".***

33. ***Session Chair and Panellist*** **in 1st Online International Conference on Rebuilding Bharat with Artificial Intelligence Interventions After COVID-19 Pandemic: Opportunity and Challenges being organized by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Noida.**

34. ***Session Chair*** **at International Conference on Recent Trends in Science and Technology (ICRTST 2020) being organized at ATME College of Engineering, Mysore.**

35. ***Keynote Speaker cum Chief Guest*** **in Virtual Conference on "Mechatronics, Automation and Cyber Physical Systems (MAC 2020)" being organized by Vellore Institute of Technology (VIT), Vellore and Cyber Physical System Research Group. Talk on "*Cyber Physical Systems and Security in Cyber Physical Systems".***

36. ***Keynote Speaker*** **in "The 2nd International Conference on Industrial Control Network and System Engineering Research" being organized in Kuala Lumpur, Malaysia. Talk on *"Deep Dive into Blockchain, Bitcoins, Smart Contracts, Cryptocurrencies and Security? The Most Disruptive Tech in Years."***

37. ***Keynote Speaker cum Chief Guest*** **in "Third International Virtual Conference on Data Science- A Future of Digital Transformation (DST 2020)" being organized by School of Information Technology and Engineering, Department of Digital Communications, Vellore Institute of Technology (VIT), Vellore, India.**

38. ***Keynote Speaker*** **in "International Virtual Conference on recent trends in Mechanical, AI and IoT Applications" by NAFE Malaysia. Talk on "*Artificial Intelligence in Medical Field".***

39. ***Keynote Speaker*** **in "International Virtual Conference on Emerging Trends and Challenges in Circuit to System Design (IETCCSD-2020)" by Vellore Institute of Technology (VIT), Vellore. Talk on "*Internet of Vehicle".***

40. ***Guest of Honor*** **in "International Conference on Communication, Optical, and Microelectronics: The Emerging Trends (ICCOMET-2020)" by Jaipur Engineering College and Research Center, Co-Associated with Rajasthan Technical University, Kota.**

41. ***Keynote Speaker*** **in "2020 International Conference on Intelligent and Innovative Computing Applications (ICONIC 2020)" at Mauritius. Talk on "*Internet of Drone Things"***

42. ***Keynote Speaker*** **in "1ST International E-Conference on Recent Developments in Science, Engineering and Information Technology (ICRDSEIT 2020), being organized by Madhurai Kamraj University, India. Talk on "*Industry 4.0"***

43. ***Keynote Speaker*** **in "2nd International Conference on Computing, Communication and Cyber Security (IC4S 2020)" being organized by Department of Electronics and Communication Engineering, KEC Ghaziabad, India. Talk on "*LoRaWAN Technologies: Issues, Challenges and Applications".***

44. ***Keynote Speaker*** **in "*Smart City 360º The Gateway to Innovation"* by EAI. Talk on "*Future Autonomous Transportation in Smart Cities*"**

45. ***Keynote Speaker cum Session Chair*** **in "International Conference on Computational Techniques and Intelligent Machines" being organized by Baba Farid College, Punjab, India. Talk on "*Industry 4.0: Transforming Traditional Industries into Smart Factories"* and "*Cobotics: The Future Robotics for Industry 4.0".***
    a) ***Track on Advances in Computational Intelligence and its applications***
    b) ***Advances in Ambient Intelligence and its Applications***

46. *Session Chair* in "2nd International Conference on Artificial Intelligence and Speech Technology (AIST 2020) being organized by Indira Gandhi Delhi Technical University for Women (IGDTUW), New Delhi, India.

47. *Keynote Speaker* in "5G^{AI} INSAI Connected Global Forum and 2nd International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM 2020) being organized in China.

Talk on "*Foundations of Cyber Physical Systems"*

48. *Keynote Speaker cum Session Chair* in Fourth International Conference on Advanced Informatics for Computing Research (ICAICR-2020), India.

Talk on "*Technologies and Advancements in Smart Grids and Intelligent Sensors"*

Session Chair Track: Technical Session 1, 2.

49. *Keynote Speaker cum Session Chair at IEEE ICOT 2020* at Kyungpook National University, South Korea.

Talk On " *Deep Dive into Blockchain, Bitcoins, Smart Contracts, Cryptocurrencies and Security? The Most Disruptive Tech in Years*
Session Chair: Technical Session 1-6.

50. *Keynote Speaker* at International Conference on Electronics, Circuits and Information Engineering (ECIE 2021) being organized in Zhengzhou, China.
Topic: Industry 4.0- Transforming Industries and Digital Revolution.

51. *Keynote Speaker cum Session Chair* at The 2021 International Conference on Digital Technologies and Applications (ICDTA 2021) being organized at Fez, Morocco.
Topic: Industry 4.0- Transforming Industries and Digital Revolution.

52. *Keynote Speaker* at Second Annual International Conference on Data Science, Machine Learning and Blockchain Technology (AICDMB-2021) being organized at Vidyavardhaka College of Engineering, Mysuru, India.
Topic: Digital Twin: Myths Vs Reality

53. ***Guest of Honor and Session Chair*** **at International Conference on Advances in Material Science, Communication and Microelectronics (ICAMCM 2021) being organized by Department of Electronics and Communication Engineering, Jaipur Engineering College and Research Center, Jaipur, India.**

54. ***Session Chair*** **at International Conference on Artificial Intelligence and Sustainable Computing for Smart Cities (AIS2C2: 2021) being organized by Department of Computer Science and Engineering at Gautam Buddha University, Noida, India.**

55. ***Keynote Speaker*** **at 2021 Workshop on Algorithm and Big Data (WABD 2021) being organized by Transdisciplinary Information Sciences Conference series.**

    Title of Talk: Industry 4.0 Making Traditional Industries to Super and Smart Factories of Future

56. ***Keynote Speaker*** **at 2nd International Conference on Machine Learning Applications (MLA 2021) being organized by ENSA, Kenitra.**

57. ***Keynote Speaker*** **at 3rd International Conference on Advances in Engineering, Science and Technology- 2021 (ICAEST 2021) being organized by Uttaranchal Institute of Technology, Dehradun, India.**

    Title of Talk: Industrial Internet of Things

58. ***Keynote Speaker*** **at Virtual International Conference on "Innovation and Technological Developments in Electronics, Computers and Communication" (ITDECC-2021) being organized at SRM Institute of Science and Technology, Chennai, India.**

59. ***Keynote Speaker*** **at International Conference on Artificial Intelligence and Big Data Applications (ICAIBD 2021) being organized in Chengdu, China.**

60. ***Keynote Speaker*** **at The First International Conference on Smart and Sustainable Agriculture (SSA 2021) being organized in Paris, France.**
    Title of Talk: IoT in Agriculture

61. ***Keynote Speaker*** **at International Conference on Artificial Intelligence and Energy Systems (ICAIES 2021) being organized by Institute of Technical and Scientific Research, India (Cyberspace).**
    Title of Talk:" Smart Grids and Intelligent Systems

62. ***Keynote Speaker cum Chief Guest*** **at International e-conference on Green Technologies for Power Generation, COMMUNICATION AND Healthcare (ICGPC 2021) being organized at St. Peter's Institute of Higher Education and Research, Avadi, Chennai, India.**

Title of Talk: Green Technologies

63. ***Keynote Speaker*** **at International Conference on Data Science, Machine Learning and Applications-2021 (ICDSMLA 2021) being organized at Rabindranath Tagore University, Rajasthan and Institute for Engineering Research and Publications (IFERP).**

Title of Talk: Robotic Process Automation

64. ***Keynote Speaker*** **at 2021 International Conference on Intelligent Computing, Automation and Applications (ICAA 2021) being organized at China.**

Title of Talk: Futuristic Smart Intelligent Transportation System

65. ***Session Chair cum Keynote Speaker*** **at International Conference on Computational Intelligence and Communication Technologies (CCICT 2021) being organized by B.M. Institute of Engineering and Technology, India and The Karkonosze State University of Applied Sciences Poland.**

Title of Talk: Internet of Vehicles

Session Chair: Internet of Everything and Wireless Sensor Networks.

66. ***Keynote Speaker*** **at International Conference on Intelligent Systems and Internet of Things (ISIOT 2021) being organized at China.**

67. ***Keynote Speaker*** **at 3rd International Conference on Advances in Engineering, Science and Technology (ICAEST 2021) being organized by Uttaranchal Institute of Technology, India.**

Title of Talk: Industrial IoT

68. ***Keynote Speaker*** **at AICTE Sponsored International Colloquium on Recent Trends in Computer Science (ICRTCS-2021) being organized by Vidyavardhaka College of Engineering, India.**

Title of Talk: Explainable AI in Industry

69. ***Keynote Speaker and Session Chair*** **at 3rd Annual International Conference on Innoventive Engineering Intelligent System Integration (ICISI 2021) being organized by School of Engineering, Ajeenkya DY Patil University, Pune, India.**

Title of Talk: Internet of Vehicles: Future Smart Transportation System

Session Chair Track: Track 3A: Intelligent Computing

70. ***Session Chair*** **at 2nd Congress on Intelligent Systems (CIS 2021) being organized by Christ University, Bangalore, India.**
Session: TS05: Big Data Analytics

71. ***Keynote Speaker and Session Chair*** **at 2nd International Conference on Intelligent Computing Techniques for Smart Energy Systems (ICTSES 2021) being organized by Manipal University, Jaipur**
Title of Talk: Industrial Robotics and Internet of Robotic Things: Concepts, Architecture and Road ahead of Future

72. ***Keynote Speaker*** **at 3rd International Conference on Communication, Devices and Computing (ICCDC 2021) being organized by Department of Electronics and Communication Engineering, Haldia Institute of Technology, West Bengal, India.**
Title of Talk: Explainable AI in Industry

73. ***Keynote Speaker*** **at 2020 International Conference on Computer Engineering and Artificial Intelligence (ICCEAI 2021) being organized at Shanghai, China.**
Title of Talk: Industry 4.0 Transforming Traditional Industries to Next Generation Smart Factories

74. ***Keynote Speaker*** **at International Conference on Emerging Technologies for Computing, Communication and Smart Cities (ETCCS 2021) being organized by Baba Farid College of Engineering and Technology, Bathinda, Punjab, India.**
Title of Talk: Internet of Robotic Things: Applications, Challenges and Research Direction

75. ***Keynote Speaker*** **at 1st International Conference on Applied Mathematics, Modeling and Simulation in Engineering (AMSE 2021) being organized at Stanley College of Engineering and Technology for Women, Hyderabad, India.**
Title of Talk: Future Smart Transportation Systems

76. ***Keynote Speaker*** **at 7th Annual International Conference on Network and Information Systems for Computers (ICNISC 2021)being organized at Guiyang, China.**
Title of Talk: Future Wireless Communications Standards for IoT.

77. ***Keynote Speaker cum Session Chair*** **at 4th International Conference on Computational Intelligence and Data Engineering (ICCIDE 2021) being organized by School of Computer Science and Engineering (SCOPE), VIT – AP University, Amaravati, Andhra Pradesh, India.**

78. ***Keynote Speaker cum Session Chair*** **at Third International Conference on Computing, Communication and Cyber Security (IC4S 2021) being organized by Department of Electronics and Communication Engineering, Krishna Engineering College, Ghaziabad, U.P., India.**
    Title of Talk: Quantum Computing
    Track Session: Communication and Networking Technologies

79. ***Session Chair*** **at The 7th International Conference on Fuzzy Systems and Data Mining (FSDM 2021) being organized at Xiamen, China.**
    Track Session: Session 3: Fuzzy Application

80. ***Keynote Speaker*** **at International Conference on Artificial Intelligence and Applications (ICAIA 2021) being organized at Suzhou, Jiangsu, China.**

81. ***Keynote Speaker*** **at 2021 International Conference on Communication Technology and Information Technology (ICCTIT 2021) being organized at Guangzhou, China.**

    Title of Talk: Future Wireless Communication Technologies: LoRaWAN

82. ***Session Chair*** **at 4th International Conference on Futuristic Trends in Networks and Computing Technologies (FTNCT 2021) being organized by Department of Computer Science and Engineering, Institute of Technology, Nirma University, Gujarat, India.**

83. ***Keynote Speaker*** **at Two Days CSIR Seminar on Recent Trends in Machine Learning for Neuro Imaging organized by IFET College of Engineering, Villupuram, India.**
    Title of Talk: Deep Learning for Medical Imaging.

84. ***Keynote Speaker*** **at e-Conference on IoT-SIAC (IoT in Social, Industry, Analytics and Communication) being organized by Department of Electronics Engineering, Thakur College of Engineering and Technology, Mumbai, India.**
    Title of Talk: Internet of Drone Things/Trends in Latest Drone Technology.

85. ***Keynote Speaker*** **at 6th International Conference on Computing, Control and Industrial Engineering (CCIE 2022) being organized by China University of Geosciences and the Jiangnan University, China.**
    Title of Talk: 6G the Next Frontier: Vision, Roadmaps and Technologies.

86. ***Keynote Speaker cum Session Chair*** **at 5th International Conference on Advance Informatics for Computing Research (ICAICR 2021) being organized at Gurugram, India.**

Session Chaired: Technical Session-1

Title of Talk: 6G the Next Frontier: Vision, Roadmaps and Technologies.

87. ***Keynote Speaker*** **at 6th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2021) being organized at Bhubneshwar Institute of Technology, Bhubneshwar, India.**

88. ***Plenary Session cum Session Chair*** **at International Conference on Digital Technologies and Applications (ICDTA 2022) being organized by USMBA, Fez, Morocco.**

Plenary Session: Session 2

Session Chair: Session 15 (Blockchain and Security)

89. ***Keynote Speaker cum Session Chair*** **at 12th International Conference on Cloud Computing, Data Science and Engineering (CONFLUENCE 2022) being organized at Amity University, Uttar Pradesh, India.**

Keynote Talk: 6G Wireless Communications

Session Chaired: Computer Network and Sensors

90. ***Keynote Speaker*** **at Third Annual International Conference on Data Science, Machine Learning and Blockchain Technology (AICDMB 2022) being organized at Vidyavardhaka College of Engineering, Mysuru, India.**

Keynote Talk: Mobile Edge Computing: Architecture, Use-Cases and Applications.

91. ***Keynote Speaker*** **at 7th International Conference on Cyber Security and Information Engineering (ICCSIE 2022) being organized at Brisbane, Australia.**

92. ***Session Chair*** **at 3rd International Conference on Computing Science, Communication and Security (COMS-2022) being organized at Ganpat University, Gujarat, India.**

93. ***Keynote Speaker*** **at International Symposium on Applications and Innovations with Intelligent Systems being organized at Department of Computer Science, Amrita University, Mysuru.**

Keynote Talk: Artificial Intelligence in IoT

94. ***Session Chair*** **at 4th International Conference on Machine Intelligence and Signal Processing (MISP 2022) being organized at Department of Computer Science and Engineering, National Institute of Technology, Raipur, India.**

Session Title: Nature Inspired Algorithms for Real World Optimization

95. ***Keynote Speaker*** **at 3rd IEEE International Conference on Advances in Electrical Engineering and Computer Applications (AEECA 2022) being organized at Dalian, China.**

96. ***Keynote Speaker*** **at 1st GEAST International Conference on "Machine Learning and Blockchain Technologies" (MLBT 2022) being organized at CIIR, SANSKRIT University, India.**

Topic of Talk: Introduction to Machine Learning and Related Technologies, ML in Healthcare.

97. ***Keynote Speaker*** **at 2nd International Conference on Recent Developments in Science, Engineering and Information Technology (ICRDSEIT 2022) being organized at Madhurai Kamraj University, Madhurai, India.**

Topic of Talk: Software Defined Networking

98. ***Resource Person / Plenary Speaker / Keynote Speaker*** **at International Conference on Advanced Computing and Communication Technology (ICACC 2022) being organized at Santhigiri College of Computer Sciences, Vazhithala, India.**

Topic of Talk: Internet of Robotic Things

99. ***Keynote Speaker*** **at International Conference on Innovative Development in Virtual and Rapid Prototyping (IDVRP 2022) being organized at Uttaranchal University, India.**

Topic of Talk: Software Defined Networking

100. ***Keynote Speaker*** **at 2022 IEEE International Conference on Advances in Electrical Engineering and Computer Applications being organized at Dalian, China.**

101. ***Session Chair*** **at 2022 International Conference on Innovations and Development of Information Technologies and Robotics (IDITR 2022) –Virtual Conference.**

Name of Session: Poster Session

102. ***Keynote Speaker*** **at 2022 International Conference on Computer Networks and Communications (ICCNC2022) being organized at Hangzhou, Zhejiang, China.**

Topic of Talk: 6G: Architectures, Vision, Challenges and Real Time Case Studies

103. ***Keynote Speaker cum Session Chair*** **at International Conference on Computational Intelligence Communication Technologies (CCICT 2022), organized by B.M. Institute of Engineering and Technology, Sonepat in Collaboration with WSG University, Bydgoszcz, Poland and ABES Engineering College, Ghaziabad, India.**

Topic of Talk: 6G Wireless Communications
Name of Session: IoT, Sensor Networks, NLP and Blockchain Technologies

104. ***Keynote Speaker cum Session Chair*** **at 5th International Conference on Control and Computer Vision (ICCCV 2022) being organized online/**
Topic of Talk: Autonomous Vehicles: Future Transportation System
Name of Session: Session 6: Pattern Recognition and Image Analysis

105. ***Keynote Speaker*** **at 2022 4th International Conference on Artificial Intelligence and Computer Science (AICS 2022) Joint with 2022 3RD International Conference on Computer Science and Communication Technology (ICCSCT 2022) being organized at Beijing, China**

Topic of Talk: Internet of Everything

106. ***Session Chair*** **at 3rd Congress on Intelligent Systems (CIS 2022) being organized at Christ University, India.**

Name of Sessions: TS10: Emerging Technologies; TS11: Intelligent Systems

107. ***Keynote Speaker*** **at 7th International Conference on Cyber Security and Information Engineering (ICCSIE 2022), Sponsored by International Association of Applied Science and Technology (IAAST) at Beijing University of Technology, China.**

Title of Talk: 6G Wireless Communications: Architecture, Technologies and Real Time Discussions

108. ***Keynote Speaker cum Chief Guest*** **at One Month Internship on "Robotics, Computer Vision, Data Science and IoT Applications" being organized by IEEE Information Theory 9ITS), Bangalore, India.**

109. ***Keynote Speaker cum Session Chair*** **at "International Conference on Intelligent Computing Systems and Applications (ICICSA 2022)" being organized by National Institute of Technology, Silchar, India.**

Title of Talk: Internet of Medical Things and Artificial Intelligence Things
Name of Session: Intelligent Systems

110. ***Keynote Speaker*** **at "2022 International Conference on Artificial Intelligence, Big Data, and Computer Applications (AIBDC 2022) being organized Virtually in China.**

Title of Talk: Metaverse: Next Generation Augmented Reality

111. ***Keynote Speaker*** **at "8th Annual International Conference on Network and Information Systems for Computers (ICNISC 2022), 2022 International Conference on Intelligent Automation and Soft Computing (IASC 2022)" being organized Virtually in China.**

Title of Talk: Internet of Medical Things and Metaverse: Next Generation Augmented Reality.

112. ***Keynote Speaker*** **at "2022 International Conference on Informatics, Networking and Computing (ICINC 2022) being organized AEIC Academic Exchange Information Center virtually.**

Title of Talk: Internet of Vehicles: Future Envision of Smart Transportation

113. ***Keynote Speaker*** **at "2nd International Conference on Robotics, Automation and Intelligent Control (ICRAIC 2022)" being organized at Changshu, China.**

Title of Talk: Internet of Robotic Things

114. ***Keynote Speaker*** **at 2022 Euro-Asia Conference on Frontiers of Computer Science and Information Technology (FCSIT 2022) being organized at Beijing, China.**

Title of Talk: Industrial Internet of Things

115. ***Keynote Speaker*** **at 3rd International Conference on Adaptive Computational Intelligence (ICACI 2022) being organized at GSSS Institute of Engineering and Technology for Women, Mysuru, India.**

Title of Talk: Internet of Medical Things and Artificial Intelligence of Things

116. ***Keynote Speaker*** **at International Conference on Data Intensive Applications and their Challenges (Computatia – X) being organized at VGU Campus, Rajasthan, India.**

Title of Talk: Internet of Vehicles

117. ***Session Chair*** **at 2nd Online International Conference on Artificial Intelligence and Sustainable Computing for Smart Cities (AISC2 2022) being organized by Gautam Buddha University, India.**

Title of Session: Session-1

118. ***Keynote Speaker*** **at 4th International Conference on Advances in Soft Computing Technologies-2022 (ICASCT 2022) being organized at Uttaranchal Institute of Technology, Uttaranchal University, Dehradun.**

Title of Talk: 6G Wireless Communications

119. ***Keynote Speaker cum Session Chair at*** **4th International Conference on Computing, Communications and Cyber Security (IC4S 2022) being organized at Nirma University, Gujarat, India.**
Title of Talk: Autonomous Vehicles

Session Number: Session: 6

120. ***Keynote Speaker*** **at International Conference on Communication, Security and Artificial Intelligence (ICCSAI 2022) being organized at Galgotias University, India.**

Title of Talk: Metaverse: Next Generation Augmented Reality

121. ***Keynote Speaker*** **at 2022 Euro-Asia Conference on Frontiers of Computer Science and Information Technology (FCSIT 2022) being organized Virtually in China.**

Title of Talk: Industrial Internet of Things

122. ***Keynote Speaker*** **at 6th 2022 International Conference on Wireless Communications, Networking and Applications (WCNA 2022) being organized at Wuhan, Hubei, China.**

Title of Talk: 6G Wireless Communications

123. ***Keynote Speaker*** **at 13th International Conference on Cloud Computing, Data Science and Engineering (Confluence 2023) being organized at Amity University, Uttar Pradesh, Noida.**

Title of Talk: 6G The Next Frontier: Vision, Roadmaps and Technologies

124. ***Keynote Speaker cum Session Chair*** **at International Conference on Digital Technologies and Applications (ICDTA 2023) being organized at Sidi Mohamed Ben Abdellah University, USMBA, Fez, Morocco.**

Title of Talk: Autonomous Vehicles.

Session Chair: Blockchain and Security

125. ***Keynote Speaker*** **at First International Interdisciplinary Conference on Energy, Nanotechnology and Internet of Things (ENT 2023) being organized by National Institute of Technology, Puducherry, Karaikal, India.**

Title of Talk: Metaverse: Next Generation Augmented Reality

126. ***Keynote Speaker*** **at International Conference on "Recent Developments in Engineering, Science and Management (RDESM 2023)" being organized at Bhagwant Institute of Technology, India.**

Title of Talk: Future Augmented Reality

127. ***Keynote Speaker*** **at 2023 International Conference on Advanced Sensing and Intelligent Systems (ICASIS 2023) being organized at Kunming, China.**

Title of Talk: LoRaWAN Technology: Next Generation Wireless Communication Networks

128. ***Keynote Speaker*** **at 8th International Conference on Cyber Security and Information Engineering (ICCSIE 2023) being organized at Brisbane, Australia**

129. ***Keynote Speaker*** **at International Conference on Creativity, Innovation, Growth and Sustainability : Future Perspectives being organized by School of Business and Economics, Admas University, Kolkata.**

Title of Talk: Blockchain Technology in Supply Chain Management

130. ***Keynote Speaker*** **at 2023 Asia Pacific Conference on Image Processing, Electronics and Computers (IPEC 2023) being organized in Dalian, China.**

Title of Talk: Internet of Everything

131. ***Session Chair*** **at 2023 5th International Conference on Advances in Computer Technology, Information Science and Communications (CTISC 2023) bring organized Virtually.**

Session I and II

132. ***Keynote Speaker*** **at 2nd International Conference on Mechantronics and Mechanical Engineering (ICMME 2023) being organized Virtually in China.**

Title of Talk: Internet of Robotic Things

133. ***Keynote Speaker*** **at 3rd International Conference Data Science and Big Data Analytics (IDBA-ACMWIR 2023) being organized at Sri Aurobindo Institute of Technology and Namibia Institute of Science and Technology.**

Title of Talk: ChatGPT and Large Language Models (LLM)

134. ***Keynote Speaker*** **at 2023 International Conference on Intelligent Computing, Automation and Applications (ICAA 2023) being organized Virtually in China.**

Title of Talk: ChatGPT and Reinforcement Learning

135. ***Keynote Speaker*** **at International Conference on Recent Developments in Cyber Security (ReDCySec-2023) being organized at Sharda University, India.**

Title of Talk: Security in Autonomous Vehicle

136. ***Session Chair*** **at International Conference on Low Energy Digital Devices and Computing (ICLED 2023) being organized at National University of Singapore, Singapore.**

137. ***Session Chair*** **at International Conference on Intelligent and Smart Computation (ICIASC 2023) being organized at Chandigarh University, India.**

Session Name: Technical Session TS1.1

138. ***Keynote Speaker*** **at International Conference on Circuit, Systems and Communication (ICCSC 2023) being organized at Universite Sidi Mohamed Ben Abdellah, Morocco.**

Title of Talk: 6G Wireless Communications: Architectures, Use Cases and Research Areas.

139. ***Keynote Speaker*** **at 2023 4th International Conference on Computer Science and Communication Technology (ICCSCT2023) being organized at Wuhan, China.**

Title of Talk: Industry 4.0 and Cyber Physical Systems

140. ***Keynote Speaker*** **at 11th International Conference on Computer and Communications Management (ICCCM 2023) being organized at Nagoya, Japan.**

Title of Talk: Artificial Intelligence in Wireless Communications

141. ***Keynote Speaker*** **at 2023 International Conference on Applied Statistics, Modeling and Advanced Algorithms (ASMA 2023) being organized in Qingdao, China.**

Title of Talk: Big Data and Data Visualization

142. ***Keynote Speaker*** **at 4th International Conference on Internet of Things (ICIOT 2023) being organized at SRM Institute of Science and Technology, Chennai, India.**

Title of Talk: Autonomous Vehicles

143. ***Session Chair*** **at 6th International Conference on Signal Processing and Machine Learning (SPML 2023) being organized at Tianjin, China.**

Name of Session: **Digital signal recognition and processing**

144. ***Keynote Speaker*** **at International Conference on Business Research and Practices (ICBRP 2023) being organized by Department of Management Studies, The ICFAI University, Himachal Pradesh, India.**

Title of Talk: Industry 4.0: Transforming Traditional Industries to Smart Factories

145. ***Keynote Speaker and Session Chair*** **at The 11TH International Conference on Big Data Applications and Services (BIGDASS 2023) organized at Duy Tan University, Viet Nam.**

Title of Talk: Large Language Models and ChatGPT
Session 3

146. ***Keynote Speaker*** **at 2023 International Conference on Logistics Engineering, Supply Chain and Digital Transformation (LESCDT 2023) being organized Online in China.**

Title of Talk: Digital Twin Transforming Industries and Revolutionizing the World

147. ***Session Chair*** **at International Conference on Artificial Intelligence: Theory and Applications (AITA 2023) being organized at IBS, ICFAI Business School, Bangalore, India.**

Session T3 03: Data Analytics and Computing
Session TS 13: Robotics, Internet of Things (IoT) and Control System

148. ***Keynote Speaker*** **at 4th International Conference on Advances in Electrical Engineering and Computer Applications (AEECA 2023) being organized Online at Dalian, China.**

Title of Talk: 6G Wireless Communications

149. ***Keynote Speaker*** **at International Conference on Science, Engineering Management and Information Technology (SEMIT 2023) being organized at Ankara, Turkey.**

Title of Talk: Internet of Medical Things and Artificial Internet of Medical Things: Revolutionizing Healthcare

150. ***Chief Guest*** **at Sarvepalli Radhakrishnan Award Ceremony organized by SK Group of Companies, Tamil Nadu, India.**

151. ***Session Chair*** **at 4th Congress on Intelligent Systems (CIS 2023) being organized at Christ University, India.**

Name of the Sessions:

a. TS 06: Computational Intelligence
b. TS 12: Emerging Technologies
c. TS 18: Emerging Techniques

152. ***Keynote Speaker*** **at 2nd International Conference on Intelligent Computing Systems and Applications (ICICSA 2023) being organized at National Institute of Technology, Silchar.**
Title of Talk: Extended Reality

153. ***Session Chair*** **at 2nd International Conference on Advances in Data-driven Computing and Intelligent Systems (ADCIS 2023) being organized at BITS Pilani, Goa, India.**
Session Names: T29: Intelligent Systems

154. ***Keynote Speaker*** **at 8th International Conference on Cyber Security and Information Engineering (ICCSIE 2023) being organized Virtually at China.**
Title of Talk: A New Era of Immersive Computing: Extended Reality

155. ***Session Chair*** **at 2023 2nd International Workshop on Cyber Security (CSW 2023) being organized Virtually, China.** ***(Outstanding Reviewer Award)***

156. ***Chief Guest and Keynote Speaker*** **at International Conference on Data Analytics, Artificial Intelligence and Cyber Security (ICDACT 2023) being organized at Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore, India.**
Title of Talk: Internet of Medical Things (IoMT)

157. ***Keynote Speaker*** **at 9th Annual International Conference on Network and Information Systems for Computers (ICNISC 2023) being organized at Wuhan. China.**
Title of Talk: Xtended Reality: Next Generation Augmented Reality Technology

158. ***Keynote Speaker*** **at 2023 5th International Communication Engineering and Cloud Computing Conference (CECCC 2023) being organized at Nanjing, China.**
Title of Talk: Xtended Reality: Next Generation Augmented Reality Technology

159. ***Session Chair*** **at Congress on Smart Computing Technologies (CSCT 2023) being organized at South Asian University, India.**
Session Details: TS08: Smart Computing Applications

160. ***Keynote Speaker cum Publication Chair*** **at 2023 International Conference on Data, Information and Computing Science (CDICS 2023) being organized at Singapore.**
Title of Talk: Going from the State of the Art to the Future of LLM and Generative AI

161. ***Keynote Speaker*** **at International Conference on Artificial Intelligence and Machine Learning (ICAIML 2023) being organized at Panjab University, Chandigarh, India.**
Title of Talk: Internet of Medical Things and Artificial Medical Things: Revolutionizing Healthcare Technology

162. ***Keynote Speaker*** **at 2nd International Conference on Intelligent Control and Robotics (ICICR 2023) being organized Virtually in China.**
Title of Talk: Next Level Industrial Robotics

163. ***Session Chair*** **at 2023 the 9th International Conference on Mechatronics System and Robots (ICMSR 2023) being organized at Singapore.**
Name of the Session: Flexible Robot Design and Intelligent Control System Development

164. ***Keynote Speaker*** **at 5th IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N 2023) being organized at Galgotias College of Engineering and Technology, Noida, India.**
Title of Talk: Metaverse Technology

165. ***Keynote Speaker*** **at The 2nd International Conference on Algorithms, Network and Computer Technology (ICANCT 2023) being organized at Wuhan, China.**
Title of Talk: Mobile Edge Computing

166. ***Keynote Speaker*** **at International Conference on "Technology Driven Agriculture to Face the Imminent Future Challenges" being organized at Galgotias University, Noida, India.**
Title of Talk: IoT for Agriculture- Precision Agriculture: A Technical Perspective

167. ***Keynote Speaker cum Session Chair*** **at International Conference on Advanced Computing and Communication Technologies (ICACCTech 2023) being organized by Swami Vivekananda Institute of Engineering and Technology and B.M. Institute of Engineering and Technology, India.**
Title of Talk: 6G Wireless Communication
Session Chair: Internet of Everything, Sensor Networks

168. ***Keynote Speaker*** **at "The 9th International Conference on Next Generation Computing 2023" being organized by Korea Institute of Next Generation Computing and Duy Tan University, Viet Nam.**
Title of Talk: Autonomous Vehicles Technology

169. ***Keynote Speaker*** **at "2023 The 7th International Conference on Video and Image Processing (ICVIP 2023) being organized at Kyoto University, Japan.**
Title of Talk: Autonomous Vehicles Technology

170. ***Keynote Speaker*** **at International Conference on Recent Innovations in Computing (ICRIC 2023) being organized Online.**
Title of Talk: 6G Wireless Communication

171. ***Keynote Speaker*** **at International Conference on Artificial Intelligence and Data Science (ICAIDS 2023) being organized at Sreyas Institute of Engineering and Technology, Hyderabad, Telangana, India.**
Title of Talk: Quantum Computing

172. ***Session Chair*** **at International Conference on Advances in Distributed Computing and Machine Learning (ICADCML 2024) being organized at VIT-AP University, India.**

173. ***Keynote Speaker cum Session Chair*** **at 2024 13th International Conference on Educational and Information Technology (ICEIT 2024) being organized at Chengdu, China.**

Title of Talk: AI in Education: Exploring ChatGPT in Education and Future Perspectives

Session Chair Title: Virtual Learning Environment and Game-based-learning

174. ***Session Chair*** **at 2024 International Conference on Contemporary Computing and Communications (InC4 2024) being organized at Christ University, India.**

Session Title: CCS4: Communications and Control Systems
INA4: Informatics and Applications

175. ***Chief Guest and Keynote Speaker*** **at 10th International Conference on Advanced Computing and Communication Systems (ICACCS 2024) being organized at Sri Eshwar College of Engineering, Coimbatore, India.**

176. ***Keynote Speaker*** **at 3rd International Conference on Intelligent Systems and Applications (ICISA 2024) being organized at MIT World Peace University, Pune, India.**

Title of Talk: Smrt Drones for Agriculture 4.0

177. ***Keynote Speaker cum Session Chair*** **at Sixth International Conference on Computational Intelligence and Communication Technologies (CCICT 2024) being organized at BMIET, Sonepat, India.**
Title of Talk: Quantum Computing: The Next Frontier in Computing Power

178. ***Keynote Speaker*** **at 5th International Conference on Advances in Soft Computing (ICAEST 2024), being organized at Uttaranchal University, Dehradun.**

179. ***Session Chair*** **at 2nd International Conference on Advancement in Computation and Computer Technologies (InCAACCT 2024) being organized at Chandigarh University, India**

180. ***Session Chair*** **at International Conference on Digital Technologies and Applications (ICDTA 2024) being organized at ENSA, USMBA, Fez, Morocco**

Name of Session: Blockchain and Security

181. ***Invited Speaker*** **at 2024 9th International Conference on Big Data and Computing (ICBDC 2024) being organized at Bangkok, Thailand.**

Title of Talk: Digital Twins: Revolutionizing the Future Technology

182. ***Session Chair*** **at 2024 3rd International Conference on Cyber Security (CSW 2024) being organized Virtually.**

183. ***Keynote Speaker*** **at 3rd International Conference on Mechatronics and Mechanical Engineering (ICMME 2024) being organized Virtually.**
Title of Talk: **Engineering for Sustainable Development**

184. ***Keynote Speaker*** **at 3rd International Conference on Computational Modeling, Simulation and Optimization (ICCMSO) being organized at Phuket, Thailand.**
Title of Talk: **Large Language Models: Empowering Artificial Intelligence in Modern Era**

185. ***Keynote Speaker cum Session Chair*** **at International Conference on Technological Innovations and Advanced Computing (TIACOMP 2024) being organized at Bali, Indonesia.**
Title of Talk: The XR Revolution: Unleashing the Potential of Immersive Technologies
Session Name: Diverse Applications and Innovations in AI and ML

186. ***Keynote Speaker*** **at 3rd World Conference on Multidisciplinary Research and Innovation (WCMRI 2024) being organized by IFERP, Singapore.**
Title of Talk: From Devops to MLOPS

187. ***Keynote Speaker*** **at 2024 The International Conference on Intelligent Technology for Educational Applications (ITEA 2024) being organized at Kuala Lumpur, Malaysia.**
Title of Talk: The Technology behind the Metaverse: Blockchain, AI and VR/AR

188. ***Keynote Speaker*** **at 6th International Conference on Artificial Intelligence and Computer Science (AICS 2024) being organized at Huazhong University of Science and Technology, China.**
Title of Talk: LoRaWAN Technology: Next Generation Wireless Communication Networks

189. ***Keynote Speaker cum Session Chair*** **at 12th International Conference on Computer and Communications Management (ICCCM 2024) being organized at Kagoshima-shi, Japan.**
Title of Talk: 6G Wireless Communications: Future Intelligent Communication Standard
Name of Session: Data-Based Information System Design and Management

190. ***Session Chair*** **at 3rd 2024 IEEE World Conference on Applied Intelligence and Computing (AIC 2024) being organized by Soft Computing Research Society (SCRS), India.**

Name of the Session: TS19: Robotics, Internet of Things (IoT) and Control System.

191. ***Session Chair*** **at 3rd International Conference on Control, Computing, Communication and Materials 2024 (ICCCCM 2024) being organized at United College of Engineering and Research, Prayagraj, India.**

192. ***Ted Talk Speaker*** **at 2024 CDIO Asian Regional Meeting titled "Digital Innovation in Higher Education- Steering Students towards Success" being organized at Hokkaido Information University, Japan.**

Title of Talk: CDIO and AI

193. ***Keynote Speaker*** **at The 9th International Conference on Cyber Security and Information Engineering (ICCSIE 2024) being organized at Kuala Lumpur, Malaysia.**

Title of Talk: LLM Security: Can Large Language Models be Hacked?

194. ***Keynote Speaker*** **at The International Conference on Big Dat Computing and Modeling (ICBDCM 2024) being organized in China (Virtually).**

Title of Talk: Introduction to RAG (Retrieval Augmented Generation) and its Application

195. ***Keynote Speaker*** **at Global AI Summit 2024: International Conference on Artificial Intelligence and Emerging Technology being organized by School of Computer Science Engineering and Technology, Bennett University, India.**

Title of Talk: Large Language Models and its Impact on Modern World.

196. ***Keynote Speaker at International Conference on Sustainable Science and Technology for Tomorrow (SCITECH 2024) being organized at Woxsen University, India.***

Title of Talk: Internet of Drone Things: Futuristic Envision of Smart Drones.

197. ***Keynote Speaker at*** **2nd International Conference on Logistics Engineering, Supply Chain and Digital Transformation (LESCDT 2024) being organized at Zhengzhou, China.**

Title of Talk: Industry 5.0: Bridging Human Creativity and Digital Transformation

198. ***Session Chair*** **at "10th Edition of the International Conference on Optimization and Applications" being organized at Almeria, Spain.**

Name of the Session: Energy and embedded systems.

199. ***Keynote Speaker cum Session Chair*** **at 2024 8th International Conference on Communication and Information Systems (ICCIS 2024) being organized at Shenzen, China.**

Title of Talk: Extended Reality Technology
Name of Session: Digital Communication and Signal Processing

200. ***Keynote Speaker*** **at 2024 International Conference on Smart Technologies for Sustainable Development Goals (ICSTSDG 2024) being organized at S.S. Engineering College, Chennai, India.**

Title of Talk: Artificial Intelligence and The Sustainable Development Goals (SDGs): Adoption of AI in Agriculture Industry

201. ***Keynote Speaker*** **at International Conference on Recent Innovation in Technology, Science and Management (RITSM 2024) being organized at NIGC Institute of Technology and Management, Najibabad, India.**

Title of Talk: 6G Wireless Communications: New Frontier in Mobile Communications

202. ***Keynote Speaker*** **at 2nd International Conference on Big Data, Computational Intelligence and Applications (BDCIA 2024) being organized at Huanggang, China.**

Title of Talk: Foundations of Big Data and Data Visualization and Exploring Data Science Use Cases in Banking

203. ***Keynote Speaker*** **at 2024 2nd International Conference on Data, Information and Computing Science (CDICS 2024) being organized Virtually in Singapore.**

Title of Talk: Responsible AI and AI Ethics

204. ***Keynote Speaker*** **at Third International Forum on Computing and Information Technology Trends (IFCITT 2024) being organized by University of Garmian, Kalar, Iraq.**

Title of Talk: Generative AI Demystified and Why LLM models are becoming so Popular these days.

205. ***Keynote Speaker*** **at The 3rd International Conference on Algorithms, Network and Communication Technology (ICANCT 2024) being organized by SPIE (The International Society for Optics and Photonics) Virtually.**

Title of Talk: **Transforming Private 5G Networks: The Synergy of 5G and Edge Computing in IoT Evolution**

206. ***Plenary Speaker*** **at 4th International Advanced Computing Conference (IACC 2024) being organized Online at Bali, Indonesia.**

Title of Talk: **Transforming Private 5G Networks: The Synergy of 5G and Edge Computing in IoT Evolution**

207. ***Keynote Speaker*** **at International Conference on Measurement, Communication and Virtual Reality (MCVR 2024) being organized Virtually at Harbin, China.**

Title of Talk**: The Future of Reality: Exploring the Boundless Horizons of Extended Reality (XR)**

208. ***Keynote Speaker*** **at Sixth International Conference on Futuristic Trends in Networks and Computing Technologies (FTNCT 2024) being organized at Graphic Era Hill University, India.**

Title of Talk**: LLM Security: Issues and Challenges**

209. ***Keynote Speaker*** **at 1st International Conference on Healthcare Innovation and Smart Systems (ICHISS 2024) being organized at Shri Shankaracharya Institute of Professional Management and Technology, Raipur, India.**

Title of Talk**: Internet of Medical Things and Artificial Intelligent Healthcare Orientations.**

210. ***Keynote Speaker*** **at 1st International Conference on Holistic Approaches to Achieve SDGs with AI (ICASDGAI 2025) being organized at Uttaranchal University, Dehradun, Uttarakhand, India.**

Title of Talk: **Artificial Intelligence and The Sustainable Development Goals (SDGs): Adoption of AI in Agriculture**

211. ***Keynote Speaker*** **at International Conference on Business, Management, Educational Strategies, and Technological Integration (ICBMESTI) being organized Virtually by IFERB in Turkey.**

Title of Talk: The Impact of Professional Editing on Research Quality

212. ***Keynote Speaker*** **at International Conference on Advancements in Computing Technologies and Artificial Intelligence (COMPUTATIA 2025) being organized at Vivekananda Global University, Jaipur, India.**

Title of Talk: LLM based AI Agents Overview: What, Why and How.

213. ***Session Chair / Judge*** **at 7th International Conference on Communication and Computational Technologies (ICCCT 2025) being organized at National Forensics Science University, Goa Campus, India.**

Title of Session: TS 25: Emerging Techniques

214. ***Keynote Speaker*** **at Two Days National Conference on Emerging Trends and Opportunities in Augmented, Virtual and Mixed Reality being organized by Department of Computational Sciences, PSGR Krishnammal College for Women, India.**

Title of Talk: Impact of XR Technologies on Medical Research and Healthcare

215. ***Conference Chairman and Keynote Speaker*** **at 2nd International Conference on Big Data Computing and Modeling (ICBDCM 2025) being organized Virtually in China.**

Title of Talk: LLM based AI Agents Overview- What, Why and How.

216. ***Conference Chairman and Keynote Speaker*** **at 2nd International Conference on Big Data Computing and Modeling (ICBDCM 2025) being organized Virtually in China.**

Title of Talk: LLM based AI Agents Overview- What, Why and How.

217. ***Keynote Speaker*** **at International Conference on Recent Trends in Computational Technologies with Sustainable Development Goals (ICRTCTS 2025) being organized by PSG College of Arts and Science, Coimbatore, India.**

Title of Talk: Sustainable Development and AI oriented Sustainable Goals for Smart Agriculture

218. ***Keynote Speaker*** **at International Conference on Intelligent Systems and Digital Applications (ISDA 2025) being organized by Faculty of Science and Technology, Settat, Morocco.**

Title of Talk: LLM based AI Agents Overview: What, Why and How.

219. ***Keynote Speaker*** **at International Congress on Electronics and Electrical Engineering (ICEEE 2025) being organized Virtually at London, UK.**

Title of Talk: The Role of Distributed Ledge Technology (DLT) for beyond 5G Networks

220. ***Session Chair*** **at The International Conference on Digital Technologies and Applications (ICDTA 2025) being organized at Al Akhawayn University IFRANE, Morocco.**

Name of the Session: Machine and Deep Learning

221. ***Co-Chair*** **at International Conference on Advanced Sustainability Engineering and Technology- ICASET 2025 being organized at École Supérieure de Technologie in Kenitra (ESTK), Kingdom of Morocco.**

222. ***Keynote Speaker*** **at 3rd International Conference on Advancement in Computation and Computer Technologies (InCACCT 2025) being organized by Department of Computer Science and Engineering, Co-Sponsored by IEEE Delhi Section at Chandigarh University, Punjab, India.**

Title of Talk: Next Generation AI Agents and RAC Architectures

223. ***Session Chair*** **at 2025 The 3rd International Conference on Intelligent Control and Computing (IC&C 2025) being organized in Changchun, China.**

Name of Session: Session 3: Machine Learning and Computational Models in Intelligent Image Processing

224. *Session Chair* at 5th International Conference on Computer Vision and Robotics (CVR 2025) being organized at National Institute of Technology (NIT), Goa, India.

Name of the Session: TS 28: Emerging Techniques

225. *Session Chair* at International Conference on AI and Robotics (AIR 2025) being organized by The Center of Excellence in Medical Robotics and Research, Nazarbayev University, Kazakhstan.

Name of the Session: TS13: AI and Machine Learning

226. *Keynote Speaker cum Publication Chair* at 2025 5th International Conference on Robotics and Control Engineering (RobCE 2025) being organized at Linkoping, Sweden.

Title of Talk: Cobotics Technology

227. *Keynote Speaker* at 3rd International Conference on Recent Trends in Mathematical Sciences (ICRTMS 2025) being organized by Himachal Ganita Parishad (HGP) at Himachal Pradesh University, Shimla, India.

Title of Talk: Quantum Computing Technology and Machine Learning Algorithms

228. *Session Chair* at 6th World Conference on Artificial Intelligence: Advances and Applications (WCAIAA 2025) being organized at Sardar Patel University, Mandi, India.

Name of the Session: TS 04: Emerging Techniques

229. *Keynote Speaker* at 2025 Asia-Pacific Conference on Image Processing, Electronics and Computers (IPEC 2025) being organized at Dalian, China.

Title of Talk: Retrieval Augmented Generation (RAG): Paradigms, Technologies and Trends

230. *Session Chair* at 5th International Conference on Intelligent Vision and Computing (ICIVC 2025) being organized at ICFAI University, Dehradun, India.

Name of Session: TS 22: Intelligent Systems

231. ***Keynote Speaker*** **at 3rd Latin American International Conference on Sustainable Engineering and Education (LAICSEE 2025) being organized in Lima, Peru**

Title of Talk: Sustainable Development and Engineering for Sustainable Development

232. ***Keynote Speaker*** **at 2025 Second International Conference on Cognitive Robotics and Intelligent Systems (ICC ROBINS 2025) being organized by KPR Institute of Engineering and Technology, India.**

Title of Talk: Quantum Communications: Trends and Technologies

233. ***Keynote Speaker*** **at 2025 International Conference on Big Data, Internet of Things and Intelligent Transportation (BDIT 2025) being organized Virtually in China.**

Title of Talk: Harnessing the Future: The Synergy of Industrial Internet of Things and Artificial Intelligence

234. ***Keynote Speaker*** **at 2025 IEEE International Conference on Computer Science, Technology and Engineering (ICCSTE 2025) being organized at Wuhan, Hubei, China.**

Title of Talk: Quantum Communication: Trends and Outlook

235. ***Keynote Speaker*** **at The 2nd International Conference on Optical Communication and Optoelectronic Technology (OCOT 2025) being organized at Changsha, China.**

Title of Talk: The 6G Horizon: Weaving the Fabric of a Connected Future

236. ***Keynote Speaker*** **at 2025 Academic Forum on Information Engineering and Technology and 10th International Conference on Cyber Security and Information Engineering (AFIET 2025 and ICCSIE 2025) being organized at Xining, China.**

Title of Talk: Internet of Vehicles: Futuristic Smart Intelligent Transportation System

237. *Session Chair* at 4th 2025 IEEE World Conference on Applied Intelligence and Computing (AIC 2025) being organized at IETE, Delhi Center, India.

Name of the Session: TS03: Computing System Privacy and Security

238. *Session Chair* at 3rd International Conference on Artificial Intelligence: Theory and Applications (AITA 2025) being organized at IBS, Bangalore, India.

Name of the Session: TS 20: Intelligent Systems

239. *Keynote Speaker* at 13th International Conference on Big Data Applications and Services (BIGDAS 2025) being organized by Chungbuk National University, Cheju Halla University, South Korea

Title of Talk: Industry 5.0: Future Smart Industries Transformation

240. *Keynote Speaker* at 2025 International Conference on Advances in Electrical Engineering and Computer Applications (AEECA 2025) being organized at Dalian, China.

Title of Talk: Quantum Frontiers: Exploring the Synergy of Quantum Communication, Computing and Machine Learning Algorithms

241. *Keynote Speaker* at 11th Annual International Conference on Network and Information Systems for Computers (ICNISC 2025) being organized at Wuhan, China.

Title of Talk: AI and Ethics

242. *Keynote Speaker* at International Conference on Next Generation Cloud Innovations (NEXGCI 2025) being organized by School of Computer Science Engineering and Technology, Bennett University, India.

Title of Talk: Fog Computing, its Applications in Industrial IoT, and its Implications for the Future of 5G

243. *Session Chair* at International Conference on Sustainability, Innovation and Technology (ICSIT 2025) being organized by Symbiosis Institute of Technology, Nagpur, India.

244. *Session Chair* at 6th Congress on Intelligent Systems (CIS 2025) being organized by IETE, Delhi Center.

Name of the Session: T18: Emerging Techniques

245. *Keynote Speaker* at International Conference on Recent Advances in Science, Technology Engineering and Management (ICRASTEM 2025) being organized at Shinawatra University, Thailand

Title of Talk: LLM Agents in Modern Computing: Redefining Intelligence and Automation

246. *Keynote Speaker* at XIth International Conference on Information Technologies for Intelligent Decision Support (ITIDS 2025) being organized at Chandigarh University, India.

Title of Talk: The World of Agentic AI and Responsible AI Agents

247. *Keynote Speaker* at 1st International Conference on Operations Research and Globalization being organized by Operations Research Institute for Decision Sciences and Analytics of Nigeria in Collaboration with University of Ilorin Business School, Nigeria.

Title of Talk" From DevOps to MLops and DataOps

248. *Session Chair* at 2nd International Conference on Sustainable Computing and Intelligent Systems (SCIS 2025) being organized at University of Canberra, Australia.

249. *Keynote Speaker at* 3rd International Conference on Big Data, Computational Intelligence and Applications (BDCIA 2025) being organized at Huanggang, China.

Title of Talk: From MLLMs to Human Level AI

250. *Keynote Speaker* at The Global AI Summit 2025, International Conference on Artificial Intelligence and Emerging Technology 2.0, organized by School of Computer Science, Engineering and Technology, Bennett University, India.

Title of Talk: Google Agentspace: Enterprise AI Platform for Intelligent Search and Autonomous Agents.

251. ***Keynote Speaker*** **at International Conference on Computational Technologies for Research in Data Analytics (ICCTRDA 2025) being organized at Duy Tan University, Da Nang, Viet Nam.**

Title of Talk: Agentic AI and Reinforcement Learning Ethical Agents

252. ***Keynote Speaker*** **at 3rd International Conference on Logistics Engineering, Supply Chain and Digital Transformation (LESCDT 2025) being organized at Zhengzhou, China.**

Title of Talk: Supply Chain 4.0 and Applications of AI in Supply Chain 4.0 Management: Hype versus Reality

253. ***Keynote Speaker*** **at International Conference on NextGen Engineering Technologies and Applications for Sustainable Development (ICNEXTS'25) being organized at St. Joseph's College of Engineering, Chennai, India.**

Title of Talk: Sustainable Technologies in Industry and Education

254. ***Session Chair*** **at 3rd International Conference on Artificial Intelligence and Sustainable Computing for Smart Cities (AIS2C2:2025) being organized at Gautam Buddha University, India.**

Name of the Session: Session 5

255. ***Keynote Speaker*** **at 2025 Seventh International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2025) being organized at Kalyani Government Engineering College, Kalyani, India.**

Title of Talk: From Multimodal LLM to Human Level AI

256. ***Keynote Speaker*** **at International Conference on Sustainable Developments in Computer Engineering, Green Technology and Smart Systems (ICSDS 2025) being organized at Hooghly Engineering and Technology College, Hooghly, West Bengal, India.**

Title of Talk: AI Tools for Smart Research and Productivity

257. ***Keynote Speaker*** **at 2025 International Conference on Advanced Computing and Intelligent Robotics Applications (ACIRA 2025) being organized at Shenyang, China.**

Title of Talk: The World of Agentic AI and Responsible Agents

258. ***Session Chair*** **at 3rd World Congress on Smart Computing (WCSC2026) being organized at Bangkok, Thailand.**

Title of Session: TS 14: Machine Learning and Image Processing

259. ***Keynote Speaker*** **at The 11th International Conference on Next Generation Computing (ICNGC 2025)" being organized at Duy Tan University, Viet Nam**

Title of Talk: The Role of Distributed Ledger Technology for Beyond 5G Networks

260. ***Keynote Speaker cum Session Chair*** **at 2026 15th International Conference on Software and Computer Applications (ICSCA 2026) being organized at Langkawi, Malaysia.**

Title of the Talk: 6G Mobile Communication Network: Evolution, Key Issues, Technologies and Real Time Use Cases

Name of the Session Chair Session: Medical AI and Clinician-Centered Health Tech

261. ***Session Chair*** **at 8th International Conference on Communication and Computational Technologies (ICCCT 2026) being organized at National Forensics Science University, Goa Campus, India.**

Title of the Session: TS 08: Communication and Control Systems

262. ***Keynote Speaker*** **at Seventh International Conference on Emerging Trends in Mathematical Sciences and Computing (ICMSC 2026) being organized by Department of Basic Science and Humanities, Institute of Engineering and Management, University of Engineering and Management, Kolkata, India.**

Title of Talk: **Quantum Computing Technology and Innovations**

263. ***Session Chair*** **at 2026 8th International Symposium on Computational and Business Intelligence (ISCBI 2026) being held at Bali, Indonesia.**

Name of the Session Chair Session: Session 5- Intelligent Image Detection and Computer Vision Analysis

264. ***Session Chair*** **at First Conference of the LPGR Program- December 2025 Batch held at Lincoln University College, Malaysia.**

265. *Session Chair* at 3rd International Conference on Computing and Machine Learning (CML 2026) being organized by Sikkim Manipal University, Majitar, Sikkim, India.

Title of the Session: TS10: Computer Network and Security

266. *Keynote Speaker* at 1st International Conference on Artificial Intelligence and Information Security (AIIS 2026) being organized at Amritsar Group of Colleges, Amritsar, India.

Title of the Talk: Security in Autonomous Car

267. *Session Chair* at 2nd International Conference on Information Technology and Artificial Intelligence (ITAI 2026) being organized by Lasell University, Newton, Massachusetts, United States.

Title of the Session: TS09: Cyber Security and Information Technology

268. *Session Chair* at World Conference on Computational Science and Technology (WcCST 2026)" being organized by Chandigarh University, India.

Title of the Session: Technical Session 2: TS 2.4

269. *Keynote Speaker* at 3rd International Conference on Frontiers in Education, Management and Information Technology (FEMIT 2026) being organized at Lyallpur Khalsa College, Amritsar, India.

Title of Talk: Internet of Drone Things

270. *Session Chair at 2nd International Conference on Smart Technology and Artificial Intelligence (STAI 2026) being organized by ACM Fremont Chapter, USA.*

Name of the Session: TS 02: Data Science and Big Data

271. *Session Chair* at 6th International Conference on Computer Vision and Robotics (CVR 2026) being organized at National Institute of Technology (NIT), Goa, India.

Name of the Session: TS 07: Emerging Technologies

272. ***Keynote Speaker cum Session Chair*** **at 11th International Conference on Cloud Computing and Big Data Analytics (ICCCBDA 2026) being organized at Chengdu, China.**

Title of Talk: From Pipeline to Impact: DataOps Best Practices and 9 Steps to Transform Data Science Delivery

Name of the Session: Online Session 9: Edge Computing, IoT and Industrial Applications.

273. ***Session Chair*** **at 2nd Congress on Intelligent Machines and Algorithms (CIMA 2026) being organized by National Institute of Technology, Puducherry, India.**

Title of the Session: TS 19: Internet of Things (IoT) & Intelligent Systems

274. ***Keynote Speaker*** **at 2026 2nd International Conference on Artificial Intelligence and Education (ICAIE 2026) being organized at Taicang, China.**

Title of Speech: Artificial Intelligence in Teaching and Learning: From Classroom Innovation to Future-Ready Education

275. ***Keynote Speaker*** **at 2026 Asia Pacific Conference on Image Processing, Electronics and Computers (IPEC 2026) being organized at Dalian, China.**

Title of the Speech: How 5G and Edge Computing Advance IoT Value

276. ***Session Chair*** **at 18th International Conference on Computer Modeling and Simulation (ICCMS 2026) being organized at Hangzhou, China.**

Name of the Session: Online Session 1: Intelligent Healthcare, Biomedical Engineering and Health Applications

277. ***Keynote Speaker*** **at 2026 11th International Conference on Big Data and Computing (ICBDC 2026) being organized at Jeju Island, South Korea.**

Title of Speech: From Pipeline to Impact: DataOps Best Practices and 9 Steps to Transform Data Science Delivery

278. ***Keynote Speaker at International Conference on Secure and Trustworthy Artificial Intelligence Systems (ICSTAIS 2026) being organized at Chandigarh University, India.***

Title of Speech: Responsible AI and Ethical Use of AI

279. ***Keynote Speaker*** **at 2026 8th Asia Conference on Machine Learning and Computing (ACMLC 2026) being organized in Beijing, China.**

Title of Talk: Industry 5.0 Transformation and Cyber Physical Systems

280. ***Keynote Speaker*** **at 2026 IEEE 8th International Conference on Artificial Intelligence, Computer Science and Information Processing (AICSIP 2026) being organized at Hangzhou, China.**

Title of Talk: Quantum Computing and Quantum Machine Learning: Foundations, Algorithms and Emerging Applications for Intelligent Quantum Systems

281. ***Keynote Speaker*** **at 2nd Annual International Conference on Computer Science, Technology and Engineering (ICCSTE 2026) being organized at Whuan, China.**

Title of Talk: Securing the Next Generation of Intelligence: Threats, Attacks, and Defenses in Large Language Models

282. ***Keynote Speaker*** **at 2026 10th International Conference on Intelligent Computing, Communication and Network Technology (icICCNT 2026) being organized at Paris, France.**

Title of Talk: Cyber Physical Systems as the Foundation of Industry 5.0: Enabling Human-Centric, Resilient and Sustainable Smart Manufacturing.

283. ***Session Chair*** **at Fourth Conference of the LGPR Program- September 2025 Batch, organized at Lincoln University College, Malaysia.**

International Citations & Indexing

- **Cited in Research.com (9TH Edition: Computer Science): National Rank: 2; World Rank: 9867; Citations: 4263; D-Index: 31; Research.com (10th Edition: Computer Science): National Rank: 2; World Rank: 6968; Citations: 6842; D-Index: 42; Research.com (11th Edition: Computer Science): National Rank: 2; World Rank: 3694; Citations: 11,293; D-Index: 56; Research.com (12th Edition: Computer Science): National Rank: 2; World Rank: 2555; Citations: 14257; D-Index: 64.**
- **Cited in A D Index: University Rank: 2 (Computer Science); Viet Nam: 3 (Computer Science); Asia: 332; World: 1446.**
- **Biography Cited in Asia Pacific: Who's Who Men and Women of Achievement 2013 by Rifacimento International, New Delhi.**
- **Biography Cited in Marquis Who's Who in Asia 2017.**
- **World Book of Researchers 2018.**

https://bookofresearchers.com/2018/anand-nayyar/

- **Asian Admirable Achievers 2024 by Rifacimento International, New Delhi.**

Research Supervision Experience

Ph.D Supervision

Supervision Completed: 1

Supervision Undergoing: 1

- **Truong Van Truong, School of Computer Science, Duy Tan University, Viet Nam. Date of Defense: 28th September, 2024.**

Thesis Title: Performance Optimization Solutions for Mobile Edge Computing Networks.

M.Tech Supervision

Total Students Completed: 7

M.Tech (ECE) Supervision

Supervision Completed: 2

Supervision Undergoing: xxx

1. **Sandeep Kumar Arora: An Intrusion Detection System (IDS) & Traffic Analysis, M.Tech (ECE) from Lovely Professional University, Punjab. Reg No: 40900113. *Thesis Defended on May 23, 2012.***
2. **Vicky Kumar: Zero Packet Loss Hand off Mechanism in SIP Based Wireless Networks, M.Tech (ECE) from Lovely Professional University, Punjab. Reg No: 11011411. *Thesis Defended on May 23, 2012.***

M.Tech (CSE) Supervision

Supervision Completed: 5

Supervision Undergoing: 0

1. **Tejinderdeep Singh Kalsi: Detection and Correction of Sinkhole Attack with Novel Method in WSN using NS2 Tool, M.Tech (CSE) from Punjab Technical University, Punjab. Reg No: 96436582706. *Thesis Defended on May 15, 2013.***
2. **Naveen Sharma: Enhancement in DDCSA for improving Power Consumption and Network Lifetime of Wireless Sensor Networks using Geographical Forwarding and Face Routing Technique, M.Tech (CSE) from Punjab Technical University, Punjab. Reg No: 1290120223.**

   Thesis Defended on September 1, 2014.
3. **Shuchi Sharma: Combating Congestion in TADR via Combined Dominating Set (CDS) Technique in Wireless Sensor Network (WSN), M.Tech (CSE) from Punjab Technical University, Punjab. Reg No: 1290122235.**

   Thesis Defended on September 12, 2014.
4. **Manjot Kaur: A Novel Defense Mechanism for Counterfeiting and Combating Jelly Fish Attack in Mobile Adhoc Networks (MANETS), M.Tech (CSE) from Punjab Technical University, Punjab. Reg No: 1290120218.**

   Thesis Defended on October 1, 2014.
5. **Agam Gupta: Improved Energy Efficiency and Reduced Delay using Self Knowledge with SCHP in Wireless Sensor Networks (WSN), M.Tech (CSE) from Punjab Technical University, Punjab. Reg No: 1290120201.**

   Thesis Defended on December 18, 2014.

M.S. (CS) Supervision

Supervision Completed: 3

1. **Vo Mai Huong: K14MCS: Performance comparison of Web App Testing via Manual Testing Methodology v/s Automation Testing Tool.**
2. **Ngo Ding Cuong: K14MCS: Implementing Serverless Compute Using Amazon Web Services and Private Cloud based SaaS Solution.**
3. **Võ Đình Hiếu, Student ID: 26311118231. Artificial Intelligence-Oriented Career Guidance Chatbot**

MCA Project Guidance

Supervision Completed: 30

(2013 Batch) (Project Defended on May 24, 2013)

No of Students: 3

1. **Mandeep Kaur: Web Penetration Testing and Cyber Security, Batch: 2010-13. Roll No: 104762183597**
2. **Kalyani Sharma: Website Penetration Testing, Batch: 2010-13. Roll No: 104762183595**
3. **Jasleen Kaur Reehal: Article Submission Application, Batch: 2010-13. Roll No: 10476183594**

(2014 Batch) (Project Defended on May 2, 2014)

No of Students: 5

1. **Kalpana: Website Development of Friends_Buzz.com (Online Social Networking Website), Batch: 2011-14. Roll No: 1178259**
2. **Jyoti Mehta: ONLINEKCLMCA.COM, Batch: 2011-14. Roll No: 1178258**
3. **Manpreet Kaur: B2BMART.COM, Batch: 2011-14. Roll No: 1178268**
4. **Devinder Kaur: B2BFAIR.COM, Batch: 2011-14. Roll No: 1178246**
5. **Neha Dutt: Web Shoppie, Batch: 2011-14. Roll No: 1178274**

(2015 Batch) (Project Defended on May 21, 2015)

No of Students: 9

1. **Sarabjit Kaur: To Access Applications Using Web Access Through Terminal Server, Batch: 2012-15. Roll No: 1278258**
2. **Tanvi: Deploying Personal Virtual Desktops by using Remote Desktop Web Access (Cloud Computing), Batch: 2012-15. Roll No: 1278269**
3. **Manpreet Singh: Mobile Bazaar, Batch: 2012-15. Roll No: 1278244**
4. **Kanika Malhotra: Perfect Match.com, Batch: 2012-15. Roll No: 1278238**
5. **Lakhbir: Swipe-Run, Batch: 2012-15. Roll No: 1278242**
6. **Anjali Kohli: Cleartax.com, Batch: 2012-15. Roll No: 1334395**

7. **Harinderjit Singh: Getjobs.com, Batch: 2012-15. Roll No: 1334404**
8. **Navneet Kaur: Programmingera.in, Batch: 2012-15. Roll No: 1278248**
9. **Raju: Online Bid Management Website, Batch: 2012-15. Roll No: 1334435**

(2016 Batch) (Project Defended on June 2, 2016)

No. of Students: 6

1. **Amit Kumar: Android Gladys Chat, Batch: 2014-16. Roll No: 1434141**
2. **Kriti Grover: Outside 9 to 5, Batch: 2014-16. Roll No: 1434166**
3. **Nidhi Duggal: E-Movies, Batch: 2014-16. Roll No: 1434178**
4. **Satinder Kaur: Easy Bargains, Batch: 2014-16. Roll No: 1434192**
5. **Satvir Kaur: Women Security App, Batch: 2014-16. Roll No: 1434193**
6. **Satwinder Pal Singh: Spying Application, Batch: 2014-16. Roll No: 1434194**

(2017 Batch) (Project Defended on May 26, 2017)

No of Students: 7

1. **Harmanjeet Kaur: Event Management Website, Batch: 2015-17. Roll No: 1523800**
2. **Harpreet Kaur: Virasat Punjab, Batch: 2015-17. Roll No: 1523801**
3. **Harwinder Kaur: Health Insurance, Batch: 2015-17. Roll No: 1523803**
4. **Heena: Ganpati Modern Automation, Batch: 2015-17. Roll No: 1523804**
5. **Hemneter: Total Fitness, Batch: 2015-17. Roll No: 1523805**
6. **Jasdeep Kaur: Dance Academy, Batch: 2015-17. Roll No: 1523806**
7. **Jatinder Kumar: Just Jalandhar, Batch: 2015-17. Roll No: 1523808**

Research Grants/Grassroot Projects

Research Grants

Completed: 4

- **IRAJ- (Institute of Research and Journals) - Grant worth Rs 1.5 Lakhs for Ph.D. Research in the area of Wireless Sensor Networks and Swarm Intelligence.**

  Letter No: 01/056

  (Project Completed and Submitted on: 1 June, 2017)

- **Gill Instruments- Grant worth Rs 2 Lakhs as MSP430 Wireless Sensor Network Kit (1 Gateway, 3 Sensor Nodes, Emulator, IAR Software) for Live Protocol Implementation of Ph.D. Research.**

  (Project Completed and Submitted on: 1 June, 2017)

- **ASEAN- India Collaborative R&D Scheme under ASEAN-India S&T Development Fund (AISTDF), Sponsored by Department of Science and Technology, Government of India. File No: CRD/2020/000284**

  Title: "Environmental Monitoring in Underground Mines using Sensor-enabled Internet of Things"

  (Project Completed and Submitted on: 21st August, 2024)

- **Glocal University 30 Project- Joint Project Collaboration between Duy Tan University, Viet Nam and Chungbuk National University, South Korea.**

  Title: The Development Technique for Conversational Business Application Software using LLM

  (Project Completed and Submitted: 28th Feb, 2025)

Grassroot Project

Completed: 1

- **A Novel Design, Implementation of Electricity Data Collection for Smart Grids-Smart PDM V1.0**

  Letter No: 3800/QD-DHDT. Project Defended on : March 2021.

Ph.D Thesis Evaluations

Total Evaluations: 75

1. **Kamali Gupta, Adaptive and Dynamic Management of Cloud Data Centers. Department of Computer Science and Engineering, Maharishi Markandeshwar University (MMU), Ambala, Haryana, India. Reg No: 09-ECM-1807**
2. **Parteek Agarwal, A Machine Translation System for Sanskrit to Hindi Language. Department of Computer Science and Engineering, Punjab Technical University (PTU), Kapurthala, Punjab, India. Registration Number: 1303087**
3. **Harsimranjit Singh Gill, Mitigation of Security Issues in Next Generation Passive Optical Networks. Department of Electronics and Communication Engineering, Punjab Technical University (PTU), Kapurthala, Punjab, India. Registration Number: 1405013**
4. **Pertik Garg, Restoration Technique to Optimize Recovery Time for Efficient OSPF Network. Department of Computer Science and Engineering, Punjab Technical University, Kapurthala, Punjab, India. Registration Number: 1103028**
5. **Arun Kumar, Design of Innovative and Efficient Algorithms for Efficient Fruit Quality Assessment. Department of Computer Science and Engineering, Visvesvaraya Technological University, India. Seat Number: 2Gl12PEN03**
6. **Parveen Kakkar, Detection & Mitigation of DDoS Attacks in Mobile Adhoc Networks. Department of Computer Science and Engineering, Punjab Technical University, Kapurthala, Punjab, India. Registration Number: 1003007**
7. **S Subalakshmi, Performance Analysis of EER-LEACH Protocol for Body Sensor Network. Department of Computer Science, Bharathiar University, Coimbatore. Registration Number: Ph.D-CB-DEC2013-0741**
8. **Kapil Sethi, Development of Machine Learning based Support system to select subject for subjects. Faculty of Engineering and Technology, Shoolini University of Biotechnology and Management Sciences, Solan, H.P. Registration Number: 151092**
9. **Gaurav Gupta, Development of Android Assistive toolkit for Alzheimer Patients and Prediction of Alzheimer Associated Protein Using Machine Learning. Faculty of Engineering and Technology, Shoolini University of Biotechnology and Management Sciences, Solan, H.P. Registration Number: 151191**
10. **Sudhakar K.N, Load Balancing in Self Organized Wireless Sensor Networks. Department of Electronics and Communication. Visvesvaraya Technological University, India. Seat Number: 1CR13PEN05.**

11. **N. Poornima, Semantic Enriched Lecture Video Retrieval using Machine Learning Techniques, School of Computing Science and Engineering, Vellore Institute of Technology, India. Registration Number: 14PHD1104.**
12. **Abhay Sharma, Image Segmentation Using Firefly Algorithm, Department of Computer Science and Engineering, Amity University, Rajasthan, India. Registration Number: A20436414004.**
13. **Sudha M, Development of Efficient Fault Tolerant Methods and Practices for Cloud Computing Environment, Department of Computer Science, Visvesvaraya Technological University, India. USN: 1RV12PEN04.**
14. **Rubeena, Object Based Classification Using Multi-Resolution Image Fusion, Department of Civil Engineering, Delhi Technological University, India. Registration Number: 2K13/PHDCE/03.**
15. **Ramesh Arjun Medar, Design of Novel Crop Yield Prediction Methods Using Machine Learning Techniques, Department of Computer Science and Engineering, Visvesvaraya Technological University, India. USN: 2GI15PEJ12.**
16. **Sachin Sharma, Data Dissemination and Optimization of Processes for Business Data Analytics, Department of Computer Science and Engineering, Maharishi Markandeshwar University, Ambala, India. Reg No: 12-ECM-1396**
17. **Gaindi Lal Saini, Software Quality Prediction of Open Source Software Using Computational Intelligence, Department of Computer Science and Engineering, Amity University, Rajasthan, India. Reg No: A20436415013**
18. **Alok Katiyar, A Security Context Aware Service Discovery (SCASD) Model in Pervasive Computing Environment, Department of Computer Science and Engineering, Sharda University, Greater Noida, India. Reg No: 2010002604**
19. **K. Chidananda Murthy, Generation of Chaotic Binary Sequences for Cryptographic Applications, Department of Electronics and Communication, Visvesvaraya Technological University, India. Reg No: 1DA15PEJ04**
20. **Shyla M K, Image Steganography for Secure Data Communications, Department of Electronics and Communications Engineering, Sri Siddhartha Academy of Higher Education, India. Reg No:15PH4EC008**
21. **Vinisha Sumra, An Adaptive Malware Detection Mechanism for Smart Phone, Department of Computer Science and Engineering, Maharishi Markandeshwar University (MMU), Ambala, Haryana, India. Reg No: 15-Ph.D-023**
22. **Neha Sharma, Image Optimization Through Genetically Intelligent Steganography for Enhancing Cyber Security, School of Engineering and Sciences, GD Goenka University, Gurugram, Haryana, India. Reg No: 160020601006**

23. **U. Gomathi, The Unified Framework for Distributed Multi Constrained Channel Access Mechanism for Mobile Adhoc Network, Department of Computer Science, Bharathiar University, India.**
24. **A. Uma Maheshwari, DESIGN AND DEVELOPMENT OF EFFECTIVE INFORMATION RETRIEVAL ARCHETYPE FOR DISCERNMENT OF SEMANTICDRIFT IN NLP, Bharathiar University, India.**
25. **Devika G, "Computational Intelligence Based Optimization of Energy Aware Routing in WSN", Department of Computer Science and Engineering, Sri Siddharatha Academy of Higher Education, India.**
26. **P Deepika, "Development of Effective Design for Cardiovascular Disease Classification Through Novel Feature Selection and Hybrid Optimization Machine Learning Techniques", Bhartiyar University, India.**
27. **S. Nandhini, "A Framework for Detection and Classification of Plant Leaf Diseases Using CNN Optimized by Evolutionary Methods", Sathyabama Institute of Science and Technology. Registration Number: 2018191121**
28. **Safira Begum, "Recommendation System for evaluating student performance using predictive analysis", Visvesvaraya Technological University, India. Registration Number: 5VW16PEJ99**
29. **Digvijay Pandey, "Performance Analysis on Text Extraction from Complex Degraded Images", Dr. APJ Abdul Kalam Technical University, Lucknow, India. Registration Number: PhD/16/ECE/2172**
30. **Jammisetty Yedukondalu, "Automated Cognitive Load Detection using Electroencephalogram Signals and Machine Learning Models", VIT-AP University, India.**
31. **Yagyadatta Goswami, "Some Investigations on Modeling and Control of Non-Linear Systems", Netaji Subhas Institute of Technology, India. Registration Number: 16NSITPHIN000004.**
32. **Varsha Nemade, "Breast Cancer Analysis Using Machine Learning Techniques", Amity University, Jaipur, Rajasthan. Registration Number: A20436418009.**
33. **M Krishna Chaitnya, "Electrocardiographic Signal Processing for Automated Diagnosis of Cardiovascular Disorders", VIT-AP University, India.**
34. **Mr. Dinesh Parkash, "An enhanced framework for Data Security & Storage in Cloud Computing", Maharishi Markandeshwar University (MMU), Ambala, India. Registration Number: 16-Ph.D.-040**
35. **Mr. Shashi Tanwar, "Automated Detection and Classification of Diseases in Plants", GD Goenka University, Gurugram, Haryana, India. Enrollment No: 190020602006.**

36. **Sarvani Anandrao, "Improved Hot Topic Detection in Microblog by Metaheuristic-Based Clustering and Hybrid Neural Network Classifier", Vellore Institute of Technology, India.**
37. **Deepak Kuamr Sharma, "Efficient Data Sharing Approach in Blockchain for Smart Healthcare", UPES, Dehradun, India. SAP ID: 500055803.**
38. **Girija V, "Blockchain based Enhanced Secured Framework for Smart Logistics", Dr. M.G.R. Educational and Research Institute, Chennai, India. Reg No: CS202D015.**
39. **Shaikh Jamir Salim, "A Mathematical Study of Some Aspects of Split Domination Number of Graph Towards Generalisation". Medi Caps University, India. Reg No: SC21MA601003.**
40. **S.M. Saravanakumar, "An Investigative Study on Computer Aided Disease Detection and Prediction of Novel Corona Virus using Machine Learning". Bharathiar University, India. Reg No: 22714/B5/2019.**
41. **Rupinder Kaur, "An Integrated Multiagent Framework for COVID-19 Detection Using Machine Learning and Deep Learning Techniques". GNDU, Amritsar, India. Reg No: 2017.Ph.D.(CE).02**
42. **Nippun Kamboj, "A Secure and Energy Aware Routing Protocol for MANET in Real Life Applications". Maharishi Markandeshwar University, India. Reg No: 15-Ph.D-042.**
43. **Ritu Tanwar, "A Deep Learning Framework for Affective State Recognition using Multimodal Physiological Signals". National Institute of Technology, Uttarakhand, India. Reg No: DT21ECJ003.**
44. **Bharath. AD, "Certain Investigations on Load Balancing based Energy-Efficient Optimal Routing on Wireless Sensor Network". Bharathiar University, India.**
45. **Teisovi Angami, "Development of Natural Language Processing Tools for Tenyidie". National Institute of Technology, Nagaland. Reg No: 2016252018.**
46. **Premkumar S, "An Efficient and Enhanced Pre-Activation Residual Convolutional Neural Networks in Lung Nodule Detection". Bharathiar University, India.**
47. **Revathi R, "An Automated Glaucoma Detection System using Learning based Effectual Feature Selection and Classification". Bharathiar University, India.**
48. **S. Sebastian, "Enhancing Energy Efficiency in Wireless Sensor Networks Through Trustworthy Target Tracking, Optimized QoS Mechanisms, and Meta Heuristic Routing Techniques". Bharathiar University, India.**
49. **Nepoleon Keisham, "Enhanced Techniques for Efficient Content Based Image Retrieval Across General and Medical Images". National Institute of Technology, Nagaland. Reg No: 2017251030.**

50. **C. Vijaya, "Metaheuristic Driven Multiobjective Virtual Machine Placement and Server Consolidation Technique in Cloud Data Centers". Vellore Institute of Technology, India.**
51. **Prince Gupta, "Handling Data Intensive Services Based on the Interplay Between Fog and Cloud". SRM Institute of Science and Technology. Reg No: PA2013003013034.**
52. **Vaishali Gupta, "An Enhanced Machine Learning Framework for India's Trade Intelligence". Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi. Reg No: 00105012019**
53. **Dharani Gupta Talapula, "Efficient Anomaly Detection in Stream Data using Deep Architecture for Performance Improvement". UPES, Dehradun, India. Reg No: 500063544**
54. **Mythili D, "Enhancing Energy Efficiency and Routing in Wireless Sensor Networks Through Classification Approach with Optimization Techniques". Bhartiyar University, India.**
55. **Vishal Kaushal, "Privacy Preserving Efficient Federated Learning Model For Spam Email Detection". National Institute of Technology, Hamirpur, Himachal Pradesh, India. Registration Number: 2K20-PhD-CSE-514.**
56. **Poonam Moral, "Evaluating Supervised Learning Frameworks for Predictive Analysis of Feminocentric Diseases". Birla Institute of Technology, India. Reg No: PHD/CS/10051/21.**
57. **Rahul Saikia, "Development of Computer-aided Diagnostic System for Acute Leukaemia Detection from Peripheral Blood Smear Images". National Institute of Technology (NIT), Meghalaya. Reg No: P21EC003.**
58. **Y. Mohammed Iqbal, "Deep Learning-Based Framework for The Diagnosis of COVID-19", Bharathidasan University, India. Reg No: BDU2020412778473.**
59. **Supongmen Walling, "Design and Development of Lightweight Unified Network IDS for Attack Classification in Smart Environments". National Institute of Technology, Nagaland. Reg No: 2020251047.**
60. **Naorem Karline Singh, "Code-Switched Speech Recognition System for Under Resourced Manipuri-English Language", National Institute of Technology, Manipal. Reg No: 20403001**
61. **Padmanaban Poti, "Enabling Effective and Meaningful Human Collaboration with Autonomous AI Systems", Western Sydney University, Australia.**
62. **Sanabam Bineshwor Singh, "Automatic Detection and Classification of Tooth Types and Anomalies using Machine Learning and Deep Learning", National Institute of Technology, Manipur. Reg No: 17403008.**

63. **Anjum Mohd Aslam, "OPTIMIZING LANE CHANGE DECISION MAKING AND DESIGNING A SECURE AUTHENTICATION FRAMEWORK FOR CONNECTED AND AUTONOMOUS VEHICLES (CAVS) IN INTELLIGENT TRANSPORTATION SYSTEMS", Bennett University, India. Reg No: E22SOEP0004.**
64. **Parvathy Rema, "DESIGN AND DEVELOPMENT OF INTELLIGENT DECISION SUPPORT SYSTEMS FOR HETEROGENEOUS PANCREATIC DUCTAL ADENOCARCINOMA", Amrita Vishwa Vidyapeetham, India. Reg No: AM.SC.D*MAT20004.**
65. **Vijay Gupta, "AI Based Hybrid Sentimental Analyser for the Fast-Food Industry", Lovely Professional University, India. Reg No: 42100280.**
66. **Mohana Sundaram M, "CERTAIN INVESTIGATIONS ON POWER SYSTEM STABILITY ENHANCEMENT IN A RENEWABLE ENERGY SOURCES INTEGRATED ENVIRONMENT USING INTELLIGENT CONTROL ALGORITHMS, Anna University, India.**
67. **Anisha Gupta, "Advancing Sarcasm Detection through Ensemble Learning, Attention Mechanisms, and Multimodal Fusion", GD Goenka University, India. Reg No: 220021602002.**
68. **Robinson Soraisam, "Comparative Study of External Problems for Polynomials and Rational Functions in Complex Domain", National Institute of Technology, Manipur. Reg No: 20408002.**
69. **Mangshitabam Sheetal Singh, "Artificial Intelligence Approaches for the Early Detection of Stroke and Congestive Heart Failure using Hybrid Machine Learning Frameworks", National Institute of Technology, Manipur. Reg No: 18403001.**
70. **Shyam Sundar Jannu Soloman, "Sentiment Analysis of Users based on Textual Data across Online Social Network Applications", National Institute of Technology, Nagaland. Reg No: 2021251051.**
71. **Ezhilarasan Elumalai, "Design and Implementation of Secure Data Transmission, Storage, and Access management Frameworks in Cloud Computing", Vellore Institute of Technology, India.**
72. **Shefali Vinod Ramteke, "Feasibility Study of Drones for Precision Agriculture", Indian Institute of Information Technology, Allahabad, India. Reg No: RSS2019003.**
73. **Esha Khanna, "Design of Quality Management Framework for Distributed Agile Software Development", J.C. Bose University of Science and Technology, India. Reg No: 19-YMCA-902018.**

74. **Divya MP, "A Secure and Energy Efficient Multi-Level Routing Framework for MANETS", Periyar University, India. Reg No: P19DCAE8002.**

75. **A Raja, "Hybrid Customer Segmentation Methods Based on User Engagement For Online Social Media", Periyar University, India. Reg No: PU/COE/CRE-IX/ASCS111/2017.**

(SEMINARS/WORKSHOPS/TECHNICAL LECTURES DELIVERED)

(Seminars/Webinars Delivered)

1. **Organized Seminar on "Career in Networking & Internet Terminology" at Quest Infosys, Regional Center Punjab Technical University, Ludhiana**

2. **Organized Seminar on "Database Administration-Oracle & Internet Security" in Punjab Technical University Center (460) in Sirhind, Fatehgarh Sahib.**

3. **Organized seminar on "Wireless Networking & Securing Networks" at Quest Infosys, Regional Center Punjab Technical University, Ludhiana**

4. **Organized seminar on "Data Recovery: Mechanisms and Techniques" at Quest Infosys, Regional Center Punjab Technical University, Ludhiana.**

5. **Organized seminar on "Career and Futuristic Impact of Information Technology in career of India + Programming Aspects of Java & .net" at Quest Infosys, Regional Center Punjab Technical University, Ludhiana.**

6. **Organized 3 Days International Online Faculty Development Program on "AI and IoT for Medical Applications" by GMR Institute of Technology, Andhra Pradesh, India. (June 1- June 3, 2020)**

7. **Organized 1 Day Webinar on "Internet of Medical Things + Artificial Intelligence Internet of Things" at Career Point University, Kota, Rajasthan, India. (June 10, 2020)**

8. **Organized International Workshop on IoT, AI and Machine Learning for Engineering on "Internet of Everything". (June 13, 2020)**

9. **International Webinar on Strategies against the Covid-19 Pandemic, Delivered Talk on "Artificial Intelligence on Healthcare + Case Study on Covid-19" at Department of Biotechnology, Kumaun University, Nainital, India. (June 18, 2020)**

10. **International Webinar on Future of Technology using Cloud Computing and Industry 4.0, Delivered talk on "Industry 4.0" at Sant Baba Bhag Singh University, Punjab. (June 18, 2020)**

11. **Organized 2-Days Online Webinar on "Tips to formulate Research Project Proposals and Write Technical Papers" at Department of Electronics and Communication Engineering, GMR Institute of Technology, Andhra Pradesh, India. (June 21-22, 2020)**

12. **Organized International Webinar on "Internet of Vehicles" at Department or Electronic and Telecommunication Engineering, MGM'S College of Engineering, Nanded, India. (June 28, 2020)**

13. **Organized 1 Day International Webinar on "Cyber Physical Systems and Real Time Case Study on Internet of Underwater Things" at Department of Electrical Engineering, Narula Institute of Technology, Kolkata, India. (June 28, 2020)**

14. **Organized 1 Day International Webinar on "Brain Computer Interface and its Applications, Research Issues" at Department of Electronics and Communication Engineering, Brainware University, Kolkata. (June 30, 2020).**

15. **Organized 1 Day International Webinar on "Research in Higher and Technical Education" at One Day International Webinar on Learners Never Stop Learning- Risk Management for Students and their future. Organized by BITT Polytechnic College, Jharkhand, India. (June 30, 2020).**

16. **Organized 1 Day International Webinar on "Internet of Autonomous Vehicles" at Hindustan College of Engineering and Technology, Coimbatore, India. (July 6, 2020)**

17. **Organized 1 Day International Webinar on "Blockchain Technology" at Department of Computer Science and Engineering, Faculty of Engineering and Technology at Khaja Bandanawaz University, Mumbai, India. (July 7, 2020)**

18. **Organized 1 Day International Webinar on "Introduction to Internet of Things (IoT) and Its Application" at Mandsaur Universty, Mandsaur, India. (July 7, 2020)**

19. **Organized 1 Day International Webinar on "Industry 4.0 Cyber Physical Systems and Real Time Cases" at JSPM's Imperial College of Engineering and Research, Wagholi, Pune, India. (July 10, 2020)**

20. **Organized 1 Day International Webinar on "6G Technologies" at Hindustan College of Arts and Sciences, Coimbatore, India. (July 16, 2020)**

21. **Organized 1 Day International Webinar on "Industry 4.0" at Jeppiaar Engineering College, Chennai. (July 20, 2020)**

22. **Organized 1 Day International Webinar on "Artificial Intelligence for Healthcare" at Vidyavardhaka College of Engineering, Wireless Inter Networking Group, Mysuru, India. (July 23, 2020)**

23. **Organized 1 Day International Webinar on "Research Methodology- Paper Writing and Online Tools" at Department of Electrical Engineering, Sobhasaria Group of Institutions, Sikar, Rajasthan. (July 24, 2020)**

24. **Organized 1 Day International Webinar on "Leveraging Artificial Intelligence in Healthcare-Special Reference to COVID-19 Pandemic" at Amar Singh College, Srinagar, India. (July 28, 2020)**

25. **Organized 2 Days International Webinar on "High Quality Research- Approach, Design and Publishing" at Bangalore Institute of Technology, Bengaluru, India. (August 5, 6, 2020)**

26. **Organized 1 Day International Webinar on "Artificial Intelligence in Healthcare" at SNS College of Technology, Chennai, India. (August 7, 2020)**

27. **Organized 1 Session at IEEE Virtual Talk Series-2020 on "Online Research Tools for Effective Research+Tips for Writing an Effective SCIE Paper+Tips for Acceptance" at IEEE ACSIR-CSIO-Student Branch, Chandigarh, India. (August 10, 2020)**

28. **Organized 1 Day International Webinar on "Internet of Drone Things (IoDT)" AT Gandhipathy Tulsi's Jain Engineering College, Vellore, Tamil Nadu, India. (August 11, 2020)**

29. **Organized 1 Session at International Webinar on "Wireless Communication (6G) and IoT" at Shri Sant Gajanan Maharaj College of Engineering, Shegaon, India. (August 12, 2020)**

30. **Organized 1 Session at International Webinar on "Industry 4.0" at IETE Mysuru Center, India. (August 16, 2020)**

31. **Organized 1 Session at BPB Publications on "Industry 4.0: Transforming Industries to Smart Industries in Near Future" (September 5, 2020)**

32. **Organized 1 Session at Sardar Vallabhbhai Patel Institute of Technology-VASAD, India on "Blockchain and Its Applications" (September 12, 2020)**

33. **Organized 1 Session at Bharati Vidyapeeth's College of Engineering, New Delhi India on "Career in Programming" (October 6, 2020)**

34. **Organized 2 Days Webinar at Vaagdevi Engineering College, Warangal, India on "Artificial Intelligence for Health Applications" (October 6, 7, 2020)**

35. **Organized 1 Day Webinar at Surya Engineering College, Erode, Tamil Nadu on "Internet of Drone Things" (October 27, 2020)**

36. **Organized 1 Day Webinar at Center for Development of Advanced Computing (CDAC), Mohali, India on " LoRaWAN" (October 29, 2020)**

37. **Organized 1 Day Webinar at VIT, Vellore, India on "Introduction to LoRaWAN Technology and Research Opportunities" (November 28, 2020)**

38. **Organized 1 Day Webinar at Raj Kumar Goyal Institute of Technology, India on "Cobotics" (December 22, 2020)**

39. **Organized 1 Day International Webinar at Shri Neeljanteshwar Government P.G. College, India on "Autonomous Vehicles: Future Transportation for Smart Cities"(January 5, 2021)**

40. **Organized 1 Day Webinar on One Day International workshop on E-Waste : Awareness and its Management at Science College, Nanded, Mumbai, India on *"E-WASTE MANAGEMENT AND ITS EFFECTS"* (January 9, 2021)**

41. **Organized 1 Day Webinar on Career Opportunities in Machine Learning and AI at Jagannath University, Rajasthan, India on "Career Opportunities in Machine Learning and AI" (February 11, 2021)**

42. **Organized 1 Day Webinar at Chandigarh University, Chandigarh, India on "*Internet of Everything: Critical Applications and Real Time Implementations*" (19th April, 2021)**

43. **Organized 1 Day Webinar at Imperial College of Engineering and Research on "*Digital Twin Technology*". (Date: May 8, 2021)**

44. **Organized 1 Day Webinar at Model Institute of Engineering and Technology on "*Smart Grid Technology*". (Date: May 29, 2021)**

45. **Organized 1 Day Webinar at Muthayammal Engineering College, Tamil Nadu on "*Explainable Artificial Intelligence in Industry".* (Date: 10th June, 2021)**

46. **Organized 1 Day Webinar at Government College of Arts, Science and Commerce, Goa on "*Exploring Data Science for Non Data Scientists in Economics and Banking Management".* (Date: 21st June, 2021)**

47. **Organized 1 Day Webinar/Guest Lecture at International Symposium Information Technology and Multimedia on "*Reimagining Learning and Transforming Education"* by International Unit, Politeknik METrO Tasek Gelugor, Penang, Malaysia. (Date: 28th August, 2021)**

48. **Organized 1 Day Webinar on "*Smart Vehicle in Smart City"* at Stekom University, Indonesia. (Date: 28th September, 2021)**

49. **Organized 1 Day International Seminar on "*Artificial Intelligence in Healthcare Informatics: From Hype to Impact"* at VIT, Bhopal, India. (Date: November 27, 2021)**

50. **Organized 1 Day Webinar on "*Mobile Edge Computing: Architectures, Applications and Challenges"* at APNG Association, Viet Nam. (Date: 16th April, 2022)**

51. **Organized 1 Day Webinar on "*Digital Twins: Transforming Change in Industries"* at International Virtual Lecture on Adapting to Change Through Innovation and Technology at Bukidon State University, Bukidon, Phillipines. (Date: 25th May, 2022)**

52. **Organized 1 Day Technical Talk on "*Internet of Drone Things (IoDT)"* at Techtonic 2022, Wipro Technologies (Date: 9th June, 2022)**

53. **Organized 1 Day Webinar on "*Internet of Robotics and Futuristic Drone Technology"* at IEEE Robotics and Automation Society, India. (Date: 23rd September, 2022)**

54. **Organized 1 Day Webinar on "*Internet of Medical Things*" at Asansol Engineering College, India (Date: 14th October, 2022)**

55. **Organized 1 Day Webinar on "*Industry 4.0 and Cyber Physical Systems: Future Industrial Transformation"* at Shri Vishwakarma Skill University, India (Date: 29th November, 2022)**

56. **Organized 1 Day Webinar at Akal University, Punjab on "*Discover the Future of Healthcare: Internet of Medical Things"* (Date: 14th March, 2023)**

57. **Organized 1 Day International Level Webinar at Medi Caps University on "*Internet of Everything"*. (Date: 30th March, 2023)**

58. **Organized 1 Day International Webinar at VELS University on "*6G Wireless Communication".* (Date: 27th April, 2023)**

59. **Organized 1 Day International Webinar at University of Turbat on "*Internet of Drone Things (IoDT)".* (Date: 17th May, 2023)**

60. **Organized 1 Day International Webinar at Operations Research Institute for Decision Sciences and Analytics of Nigeria (ORIDSAN) in Collaboration with INFORM on "*Big Data and Data Visualization".* (Date: 27th July, 2023)**

61. **Organized 1 Day Webinar at Tulsiramji Gaikwad-Patil College of Engineering and Technology, India on "*Effective Proposal and Writing Techniques for Winning Grants".* (Date: 17th January, 2025)**

62. **Organized 1 Day Webinar at Symbiosis University of Applied Sciences, Pune on "*From Data to Decisions: An Expert Talk on Data Science".* (Date: 16th February, 2026)**

63. **Organized 1 Day Webinar at Woosong University, South Korea at Workshop on "Professional and Academic Frontiers of AI and Emerging Technologies Workshop" "LLM Models and AI Tools for Research". (Date: 16th July, 2026)**

(Special Invited Technical Lectures)

1. **Technical Lecture delivered on "Career in Networking, Database and Software Engineering. Trends in Latest Technologies like Android and 3G Networks" being organized by Rayat Bahra college of Engineering and Nanotechnology for Women, Hoshiarpur.**

2. **Technical Lecture delivered on "Cloud Computing and Future Trends in Cloud Computing" being organized by Rayat Bahra College of Engineering and Nanotechnology for Women, Hoshiarpur.**

3. **Technical Lecture delivered on "Computer Networks and Network Security" being organized by Sant Hira Dass Kanya Mahavidyalaya, Kala Sanghian, Distt. Kapurthala.**

4. **Technical Lecture delivered on "Research Methodology and Cyber Security" being organized by CGC Landran Group of Colleges, Chandigarh.**

5. **Technical Lecture delivered on "Innovations in Research and Wireless Sensor Networks" being organized by Global Institute of Engineering and Emerging Technologies, Amritsar.**

6. **Technical Lecture delivered on "Current and Future Medical Technologies" being organized by Punjab Institute of Medical Studies (PIMS), Jalandhar.**

7. **Technical Lecture delivered on "MOSIX OS, Red Hat Linux Administration and Windows 2012 Administration" in Department of Computer Science being organized by CGC Landran Group of Colleges, Chandigarh.**

8. **Technical Lecture delivered on "Computing Technologies" in Department of Computer Science being organized by S.G.G.S. Khalsa College, Mahilpur, Hoshiarpur.**

9. **Technical Lecture delivered on "HR Interview-Preparation" in Department of Computer Science & Engineering being organized by Lyallpur Khalsa College of Engineering, Jalandhar.**

10. **Technical Lecture delivered on "Wireless Sensor Networks- Live Demonstration of Sensor Nodes and Issues on WSN" in Department of Computer Science being organized by Desh Bhagat University, Mandi Gobindgarh.**

11. **Technical Lecture delivered on "Security Issues and Recent Advancements of IoT in Healthcare" in VIT University, Vellore, India.**

12. **Technical Lecture delivered on "Internet of Drone Things (IoDT)" in VIT University, Vellore, India.**

13. **Technical Lecture delivered on "Industry 4.0" in DAV Institute of Engineering and Technology, Punjab, India.**

14. **Technical Lecture delivered on "Blockchain and Bitcoins" in Bharti Vidyapeeth College of Engineering, New Delhi, India.**

15. **Technical Lecture delivered on "Trends in Cloud Computing towards Industry Oriented Concepts" in IILM, Noida, India.**

16. **Technical Lecture delivered on "Future Trends in Networking and Communication" at Dr. Akhilesh Das Gupta Institute of Technology and Management (Formerly Northern India Engineering College) at New Delhi, India.**

17. **Technical Lecture delivered on "Futuristic Artificial Intelligence Direction Towards the Internet of Vehicles and Cyber Security" in School of Information and Communication Technology, Gautam Buddha University, Noida, India.**

18. **Technical Lecture delivered on "Artificial Intelligence in Wireless Networks" in Department of Telecommunication Engineering at Sri Siddhartha Institute of Technology, Tumakuru.**

19. **Technical Lecture delivered on "Career in Programming and Latest Trends 2020 in Technology" in Department of ECE, CSE at Vidya Vikas Institute of Engineering and Technology, Mysore, Karnataka.**

20. **Technical Lecture delivered on "6G Wireless Technology, Panel Discussion on General Research, IoT, IoT Lab Development and Research Methodology" in Department of ECE, CSE at Vidyawardhaka College of Engineering, Mysore, Karnataka.**

21. **Technical Lecture delivered on "Career in Programming" in Department of ECE at GSSS Institute of Engineering and Technology for Women, Mysore, Karnataka.**

22. **Technical Lecture delivered on "Internet of Drone Things (IoDT)" in Department of ECE at SJB Institute of Technology, Bengaluru, India.**

23. **Technical Lecture delivered on "Bitcoins, Blockchains and Cryptocurrencies" in Online Lecture Series organized by Amity Institute of Information Technology (AIIT), Amity University, Noida, India.**

24. **Technical Lecture delivered on "Industry 4.0" in Online Lecture Series organized by Amity Institute of Information Technology (AIIT), Amity University, Noida, India.**

25. **Technical Lecture delivered on "Transforming Traditional Industries to Smart Manufacturing via Industry 4.0" in Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Noida, India.**

26. **Technical Lecture delivered on "How to Use Cloud Computing Effectively (Theory to Practise)" in Department of Computer Science and Engineering, Sathyabama Institute of Science and Technology, Chennai, India.**

27. **Organized 1 Day International Webinar at School of Computer Science and Engineering, VIT Vellore, India on "Bridging the Gap: The Evolution from DevOps to MLOps and DataOps.**

Seminar's/Workshop's/Faculty/Staff Development Programs (FDP/SDP Attended)

Total FDP'S Attended: 25

28 Days FDP Programs

- **28 Days Faculty Development Program on "How to Clear Patent Agent Examination" organized by IP EVER LLP. Dates: 6th December, 2021 t0 12th January, 2022.**

16 Days FDP Programs

- **16 Days Faculty Development Program on "Deep Learning and Computer Vision in Image and Video Data Analysis" organized by EduxLabs in Association with E-CELL IIT Hyderabad. Dates: 12-27 July, 2021**

14 Days FDP Programs

- **12 Days (2-Weeks) Faculty Development Program on "Blockchain Technology and its Applications" organized by EduxLabs in Association with Mechanica IIT Madras. Dates: 22nd August – 6th September, 2022**
- **14 Days (2-Weeks) Industrial Training on "Generative AI and its Applications" organized by EduLabs in Association with Mechanica IIT Madras. Dates: 14th October- 2nd November, 2024.**

12 Days FDP Programs

- **12 Days Faculty Development Programme on "Advanced Optimization Techniques and Hands on with MATLAB/SCILAB" being jointly organized by Electronics and ICT Academy, MNIP Jaipur; NIT Patna; PDPM IIT DM Jabalpur. Dates: 13-24 July 2020**

8/7 Days FDP Programs

- **7 Days National Workshop on "Computer Networks and Computing Technologies (CNCT-2011)" at Apeejay Institute of Fine Arts, Jalandhar. Dates: 22-28 December, 2011**

- **8 Days PTU Sponsored Workshop on "Human Values and Professional Ethics (HVPE)" at Swami Paramanand Institute of Engineering and Technology, Lalru, Mohali. Dates: 30 Apr-7 May, 2012**

- **7 Days IGCCIA & IRD Sponsored Workshop on "Emerging Trends & Challenges in Management and IT Education" at KCL Institute of Management and Technology, Jalandhar. Dates: 14 Dec-20 Dec, 2015.**

5 Days FDP Programs

- **5 Days AICTE Sponsored Staff Development Programme (SDP) on Research Methodology and Data Analysis using SPSS 18.0 at Bhai Gurdas Institute of Engineering and Technology, Sangrur. Dates: 21-25 May, 2012.**

- **5 Days Short Term Course (STC) on Recent Trends in Optical Communication Systems and Networks at Thapar University, Patiala, Punjab. Dates: 24-28 Dec, 2012.**

- **5 Days Computer Society of India (CSI) Sponsored National Workshop on Network Simulator 3 (NS-3) 'Simulation for Network Protocols on a Complex Innovation Network (Sim4Net 2016) at Amity University, Jaipur, Rajasthan. Dates: 19-23 December, 2016.**

- **5 Days FIRST Sponsored Training Workshop on "Fundamentals on High Spectral Efficiency Communications" at University of Da Nang, Da Nang, Vietnam. Dates: May 28 to June 1, 2018.**

- **5 Days Online Training on "Industrial IoT using LoRaWAN Technology" being organized by Enthu Acadamic Solutions (An Acadamic Division of Enthu Technology Solutions, India Pvt. Ltd.). Dates: April 27, 2020 to May 1, 2020. Certificate No: EAS202104A036**

3 Days FDP Programs

- **3 Days Faculty Development Program on "Learn Arduino Step by Step" being organized by GMR Institute of Technology, Kakinada. Dates: 15th May, 2020 to 17th May, 2020**

2 Days FDP Programs

- **2 Days PTU Sponsored Workshop on Advancements in Wireless Technology (AWT) at Bahra Group of Institute, Patiala Campus, Patiala. Dates: 18-19 May, 2012.**

- **2 Day's Workshop on Cloud Computing- "Amazon, Google Cloud and Microsoft Azure" being organized by Punjab Technical University (PTU) in association with IFC3 India and Neuromacers IIT Bhubaneshwar. Date: 31 October, 2015 & 1st November, 2015.**

- **2 Day's Training Course on "Case & Effect Graphing Testcase Design Method for Software Safety" being organized by ThinkforBL at Da Nang Software Park, Da Nang, Viet Nam.**

- **2 Day's Online Training Course on "Understanding Citations and Tips to Improve H-Index" being organized by "Learning with Chandan" and "Voice of Environment" on 6-7th May, 2020.**

- **2 Day's Online International Workshop on "Future Communications" being organized at Singapore University of Technology and Design (SUTD) on 23-24th June, 2021.**

- **2 Day's 2022 IEEE Sensors Council's Summer School being organized at UNICAMP/FEEC on 12-13th December, 2022.**

1 Day FDP Programs

- **1 Day Workshop on Research Paper Writing being organized at Rayat Bahra College of Education, Sahauran, Mohali, Punjab. Date: 16 November 2012.**

- **1 Day Workshop on Case Study Analysis and Skill Development being organized at KCL Institute of Management and Technology, Jalandhar. Date: 7 April 2014.**

- **1 Day Workshop on Embedded Systems- "PIC Microcontroller- PIC 16F877A" being organized at Lovely Professional University (LPU), Phagwara. Date: 9 August 2014.**

- **1 Day Workshop on "LaTeX"- Research and Report Writing Tool being organized at CT Institute of Technology and Research (CTITR), Maqsudan, Jalandhar. Date: 17 November 2015.**

- **1 Day Workshop on Financial Planning in Collaboration with Investor Awareness Division, SEBI being organized at KCL Institute of Management and Technology, Jalandhar. Date: 1 February 2017.**

- **1 Day Workshop on "PHP" being organized by KCL Institute of Management and Technology, Jalandhar. Date: 18 February, 2017.**

- **1 Day Workshop on "Case Analysis" being organized by KCL Institute of Management and Technology, Jalandhar. Date: 29 March, 2017.**

- **1 Day Online Workshop on "Python Programming" being organized by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Noida. Date: 25th April, 2020.**

- **1 Day Online Workshop on "How to Catch Fake/Predatory/Cloned Journals in Academic" hosted by Library of DAV College, Chandigarh. Date: 30th June, 2020**

- **1 Day Online Webinar on "Guidelines for Getting Funding for Projects from Various Funding Agencies" hosted by Punjabi University, Patiala. Date: 9th June, 2023**

- **1 Day Online Training on "Generative AI Mastermind" by Outskill.**

(Workshop / Faculty Development Program's)
(Resource Person)

1. **Delivered 2 Day Workshop on *Microsoft Windows XP Administration: Networking and Security Issues* in Quest Infosys, Ludhiana as Faculty Development Program.**

2. **Delivered 1 Day Workshop-ISTE Student Chapter Sponsored Workshop on *Futuristic Trends in Communication Systems* at Rayat Bahra College of Engineering and Nano Technology for Women, Hoshiarpur.**

3. **Delivered 1 Day Student Workshop on Network Security in PCMSD College, Jalandhar.**

4. **Delivered 1 Day (2 Sessions) on ISTE & PTU Sponsored Faculty Development Workshop titled "Emerging Computer Trends and Technologies in Industry" at RIMT, Mandi Gobindgarh.**

   (Topic: Research Methodology, Cloud Computing, Wireless Sensor Networks)

5. **Delivered 2 Day (4 Sessions) on PTU Sponsored Faculty Development Workshop on "Cloud Computing Algorithms & Architectures" at CGC College of Engineering, Chandigarh.**

   (Topic: Cloud Simulators, Cloud Servers and Online Cloud O/s)

6. **Delivered 1 Day (3 Sessions) at MSME Govt. Sponsored Faculty Development Programme on "Scientific Research Methodology Using MATLAB" at Rukmini Devi Institute of Advanced Studies, Rohini, New Delhi**

(Topic: Research Methodology and Live Wireless Sensor Network Implementation)

7. **Delivered 1 Day (2 Sessions) at TEQIP FDP on "Soft Computing" at Deenbandhu Chottu Ram University of Science and Technology (DCRUST), Murthal.**

(Topic: Innovations in Research Practices and Swarm Intelligence)

8. **Delivered 1 Day (3 Sessions) at Short Term Course on "Wireless Communications" at National Institute of Technical Teachers Training and Research (NITTTR, Chandigarh)**

(Topic: Live Demonstration of Wireless Sensor Networks, Live Hands on OMNeT++ and Raspberry Pi)

9. **Delivered 1 Day (3 Sessions) at Short Term Course on "Big Data Analytics" at National Institute of Technical Teachers Training and Research (NITTTR, Chandigarh)**

(Topic: Big Data, Apache Hadoop, Pig and Hive)

10. **Delivered 1 Day (2 Sessions) at Short Term Course on "Digital Repository and Storage Management" National Institute of Technical Teachers Training and Research (NITTTR, Chandigarh)**

(Topic: Concept of Digital Repository, How to Formulate Digital Repository, Coverage towards various Digital Repositories in World)

11. **Delivered 1 Day (3 Sessions) at Workshop on Internet of Things (IoT 2016) Learn Design and Development Internet of Things Systems at Dronacharya College of Engineering, Gurgaon.**

(Topic: Raspberry Pi, Awareness of Pi 1/2/3, Making Pi as Web Server, Kali Linux Server, Cloud Computing Server and Many More)

12. **Delivered 1 Day (2 Sessions) at Seminar on "Quality Education" at Dev Samaj College for Women, Ferozepur**

(Topic: Indian Education System, Education System Problems, Issues and Solutions to Engineering in Technical Institutes of India).

13. **Delivered 1 Day (3 Sessions) at Two Weeks Faculty Development Programme on "Emerging Research Trends in Computer Science and IT" at Bharti Vidyapeeth Institute of Computer Applications (BVICAM), New Delhi in Collaboration with IEEE Delhi Section, IEEE Computer Society- Delhi Section, AICTE, CSI Delhi Chapter and ISTE Delhi Section.**

    Topics Delivered: Wireless Sensor Networks, Hands on Sensors and Wireless Sensor Network- Real Time Environmental Monitoring, NS-3 Simulator, Raspberry Pi.

14. **Delivered 1 Day (4 Sessions) at 1 Day Faculty Development Programme on "Emerging Trends in Networks & IoT" at Maharaja Agrasen Institute of Technology (MAIT), Rohini, New Delhi.**

    Topic Covered: Wireless Sensor Networks- Research Issues and Simulations, Internet of Things, Cup Carbon Simulator, Research Methodology and Hands on Raspberry Pi.

15. **Delivered 4 Days (8 Sessions) at 4 Day Faculty Development Programme at Vellore Institute of Technology (VIT) Vellore, Tamil Nadu. (*ACM Distinguished Speaker Coverage)***

Topics Covered: Trends in Cloud Computing, Cloud Services and Security Enhancements- 19th August, 2019. Industry 4.0 and Transformation of Smart Industries to Industry 5.0/X.0- 20th August, 2019. Industrial Internet of Things and Technologies Surrounding and Powering Internet of Things- 21st August, 2019. Exploring Hidden Secrets of writing Research Paper and Effective Policies of becoming Scientific Researcher- 22nd August, 2019.

16. **Delivered 1 Day (1 Session) at 1 Day Faculty Development Programme on "Industry 4.0" at Shri Sai Rai Institute of Technology (SAIRAMIT), Tambaram, Chennai.**

17. **Delivered 1 Day (2 Sessions) at 1 Day Faculty Development Programme on "Industry 4.0 and Blockchain Technology" at Vellore Institute of Technology (VIT), Chennai.**

18. **Delivered 1 Day (1 Session) at 5-Day Global E-Symposium on "Global Pandemic Outbreak: Role of Technology and Automation (GPORTA)" at JSSATE, Noida**

    Topic Covered: Artificial Intelligence in Healthcare and Role of Artificial Intelligence in COVID-19.

19. **Delivered 2 Day (2 Sessions) at 2-Day Faculty Development Program on "Internet of Vehicles" at KPR Institute of Engineering and Technology, Chennai, India. (June 4-5, 2020)**

Topics Covered: Internet of Vehicles, Autonomous Technologies for Smart Vehicles, Security for Connected Car

20. Delivered 3 Days (6 Sessions) on Faculty Development Programme on "AI and IoT for Medical Applications" at GMR Institute of Technology, Andhra Pradesh, India (June 1 to June 3, 2020)

Day 1: Artificial Intelligence in Healthcare; Internet of Medical Things

Day 2: Cryptocurrency and Blockchain

Day 3: Brain Computer Interface and Industry 4.0

21. Delivered 1 Day (2 Sessions) on Faculty Development Programme on Recent Trends in Wireless Communications organized by R.C. Patel Institute of Technology, Shirpur, Mumbai. (June 7, 2020)_

Talk's on:

Artificial Intelligence in Wireless Communications

6G Communications

22. Delivered 2 Days (2 Sessions) on Faculty Development Programme on Artificial Intelligence in Healthcare being organized by R.C. Patel Institute of Technology, Shirpur (June 10-11, 2020)

Talks on:

1. **Artificial Intelligence in Healthcare + Hands on Session on COVID-19**
2. **Robotic Process Automation in Healthcare**

23. Delivered 3 Days (3 Sessions) on Faculty Development Programme on Future Advancements and Applications of Internet of Things (IoT) at Sandip Institute of Engineering and Management, Nashik, Mumbai (June 12-14, 2020)

Talks on:

1. **Internet of Things Lab + Internet of Medical Things + Artificial Intelligence in Healthcare**
2. **Research Methodology**
3. **Internet of Underwater Things + Internet of Robotic Things + Internet of Drone Things**

24. Delivered 2 Days (2 Sessions) on International Workshop on "The Craft of Research" in Department of Mathematics at SRM Institute of Science and Technology, Ramapuram Campus, India. (July 2-3, 2020)

Talks on:

1. **Writing Scientific Paper and Tips for Acceptance**
2. **Writing Teaching and Research Statement**
3. **Avoiding Rejections on Paper and Predatory Journals.**
4. **How to get Grants on Projects**

25. **Delivered 3 Days (3 Sessions) Faculty Development Program on "Research Methodology and Techniques at Sandip Institute of Engineering & Management (SIEM), Maharashtra, India. (July 4-6, 2020)**
    Topics: Writing Research Paper, Getting Grant, How to Read Research Paper, Mistakes to Avoid in Paper, Writing Teaching and Research Statement, Research Tools and Techniques and, How to effectively write Scientific Paper.

26. **Delivered 1 Session Faculty Development Program titled "Exposure & Rejuvenation of Technologies in Changed Era of The World" by Raj Kumar Goel Institute of Technology, Ghaziabad, India. (July 7, 2020)**
    Talk on "Internet of Drone Things"

27. **Delivered 1 Session Short Term Training Programme Program on "Research Methodology" by Gautam Buddha University, Greater Noida, U.P. Noida. (July 9, 2020)**
    Talk on "How to do Research, How to do Academic Paper Writing + Common Mistakes to Avoid)

28. **Delivered 1 Session on 1 Week Faculty Development Program on "Research Avenues in Electrical Engineering" by Karpagam College of Engineering, Coimbatore. (July 10, 2020)**
    Talk on "Research Avenues in Smart Grids"

29. **Delivered 2 Sessions on International Faculty Development Program titled "World of Cyber Physical Systems and Future Robotics of Industry: Cobotics" by R.C. Patel Institute of Technology, Shirpur, Mumbai. (July 11, 12, 2020)**
    Topics: "World of Cyber Physical Systems"
    "Future Robotics of Industry: Cobotics"

30. **Delivered 1 Session Short Term Training Programme Program on "Research Methodology" by Gautam Buddha University, Greater Noida, U.P. Noida. (July 13, 2020)**
    Talk on "How to do Write Thesis and How to write Scientific Paper + Get Published in ISI Journals)

31. **Delivered 1 Session on Faculty Development Programme on "Exploring the Nuances of Deep Learning for Research Applications- A Deeper Experience" by Karunya Institute of Technology and Sciences, Coimbatore, India. (July 13, 2020)**
    Topic: Practical Points of Deep Learning for Medical Imaging"

32. **Delivered 1 Session on International Faculty Development Program on "Trends in Artificial Intelligence and Machine Learning" at Department of Computer Application, North Orissa University, Odhisa, India. (July 17, 2020)**
    Topic: Deep Learning in Medical Image Processing

33. **Delivered 2 Session on International Faculty Development Programme on "Internet of Things" at Department of Information Technology, EASWARI Engineering College, Chennai. (July 18, 2020)**
    Topic: Internet of Things and LoRaWAN

34. **Delivered 1 Session on National Level Faculty Development Program on "Online Social Network" at MIT Art Design and Technology University, Pune- MIT School of Engineering. (July 25, 2020)**
    Topic: Challenges and Opportunities in Online Social Network

35. **Delivered 2 Session on International Virtual Workshop on "LoRaWAN and Intellectual Property Rights" at Easwari Engineering College, Chennai. (July 26, 2020)**
    Topic: Hands on Demonstration on Dragino LoRaWAN Kit, Internet of Everything and Patents- How to File Patent in India.

36. **Delivered 1 Session on International Online Faculty Development Program on "Technologies with Social Relevance" at GMR Institute of Technology, Rajam, India. (July 27, 2020)**
    Topic: LoRaWAN Technology- Glimpse into Future Communication

37. **Delivered 1 Session on National Level Faculty Development Program on "Free Tools for Research and Publication" at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh. (July 30, 2020)**
    Topic: Research Tools for Effective Research

38. **Delivered 1 Session at National Level FDP on Virtual Classroom and LaTex Programming at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh, India. (24th August, 2020)**
    Topic: Effective Research, Thesis Writing and Publications Pedagogy

39. **Delivered 1 Session at Online One Week STTP on AI and Machine Learning at Manav Rachna International Institute of Research and Studies, Faridabad, India (28th August, 2020)**
    Topic: Artificial Intelligence in Healthcare with hands on Covid-19

40. **Delivered 1 Session at Online One Week FDP on Blockchain and Its Applications, Jaipur (16th September, 2020)**
    Topic: Mining in Bitcoins

41. **Delivered 2 Sessions at Online Six Days workshop on Contemporary Artificial Intelligence- Online Refresher Programme. (22nd October, 2020 and 23rd October, 2020)**
    Topic: AI for Healthcare and AI for Biomedical Applications

42. **Delivered 1 Session at Online FDP on "Blockchain Technologies and its Applications sponsored by AICTE Training and Learning (ATAL) Academy by Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, India. (24th November, 2020)**
    Topics: Blockchains, Bitcoins and what next

43. **Delivered 1 Session at Six Days Online Refresher Program on "Contemporary AI: Application in Healthcare" organized by Dr. D.Y. Patil Pratishtan's D.Y. Patil College of Engineering, Pune, India. (11th December, 2020)**
    Topic: Prospects of AII in Healthcare with case study on COVID-19

44. **Delivered 1 Session at Two Weeks AICTE Sponsored FDP program on "Artificial Intelligence and its Applications in Biomedical Engineering" organized by JSPM's Rajashi Shahu College of Engineering, Pune, India (14th December, 2020)**
    Topic: Advanced Artificial Intelligence technologies for Improvising Healthcare with Case Study on COVID-19.

45. **Delivered 2 Sessions at Online 2 Days International Workshop on Paper and Report Writing organized by Vidyavardhaka College of Engineering, Mysusu, India. (15th December, 2020)**

Topics: How to write SCIE Paper, How to Manage Project Grants and Research Tools for Effective Research.

46. **Delivered 1 Session at Six Days Refresher Proogram on "Contemporary AI: Idea to Product" organized by Dr. D.Y. Patil Pratishtan's D.Y. Patil College of Engineering, Pune, India. (25th December, 2020)**
    Topic: Autonomous Vehicles: Future Transportation of Smart Cities

47. **Delivered 2 Sessions at Six Days AICTE Funded Short Term Training Programe (STTP) on Digital Twin Technology for Industrial Automation Process at Sathyabama Institute of Science and Technology, Chennai, India. (7th December, 12 December, 2020)**

Topic: Modern Digital Twins and Digital Twin Tools for Industrial Automation
Industry 4.0: Transforming Traditional Industries to Smart Factories
Digital Twin Technology and Case Studies in Real World.

48. **Organized 1 Session at Six Days Faculty Development Program on Blockchain Technologies and Applications at Department of Computer Science and Engineering, Jaypee Institute of Information Technology, Noida, India**

Topic: Blockchain, Bitcoin and Next…?

49. **Organized 1 Session at Five Day Faculty Development Program on Blockchain being organized by JSS Mahavidyapeetha JSS Academy of Technical Education, New Delhi, India.**
    Topic: Blockchain, Bitcoin and What Next ….?(Turning Point in the World)

50. **Organized 5 Days (One Week) Faculty Development Program in Department of Electronics and Telecommunication Engineering at Shri Sant Gajanan Maharaj College of Engineering, Shegoan, India. (Feb 1-5, 2021)**
    Feb 1, 2021: Industry 4.0 and Cyber Physical Systems
    Feb 2, 2021: Research Tools and How to Get Research Grant
    Feb 3, 2021: Medical Informatics and AR Technology
    Feb 4, 2021: Digital Twin Technology
    Feb 5, 2021: Autonomous Vehicles: Transportation for Future Megacities

51. **Organized 1 Session at Short Term Course on "Technical Writing using LaTeX" at National Institute of Technical Teachers Training and Research (NITTTR, Chandigarh). (Feb 16, 2021)**
    Topic: Tips and Tools for Effective Technical and Research Writing
52. **Organized 1 Session at Short Term Training Program on "Artificial Intelligence and Machine Learning" at Karpagam Academy of Higher Education, Coimbatore, India. (Feb 18, 2021)**
    Topic: Artificial Intelligence in Wireless Communication

53. **Organized 2 Sessions at Two Days workshop on "Robotics: Tools and Technologies" at Charusat Charotar University of Science and Technology, Changa, Gujarat, India. (Feb 27, 2021)**
    Topic: Internet of Drone Things, Cyber Physical Systems and Cobotics

54. **Organized 1 Session at Five-Day Faculty Development Program on "Advances in Internet of Things" at Vidyavardhaka College of Engineering, Mysuru, Karnataka, India. (March 2, 2021)**
    Topic: Advances in Industrial Internet of Things (IIoT)

55. **Organized 2 Sessions at One-Week Online Induction/Refresher Program on "Internet of Things (IoT)" at A.G. Patil Institute of Technology, Solapur. (April 2, 2021)**
    Topic: IoT in Drones and IoT in Communication System
56. **Organized 1 Session at One-Week ISTE Approved STTP on "Drone Surveying" at Annapoorana Engineering College, Tamil Nadu, India. (May 21, 2021)**
    Topic: IoDT and Applications of Drones in Civil Engineering

57. **Organized 1 Session at One Week Faculty Development Program on "Emerging Trends in IoT" at QIS College of Engineering and Technology, Andhra Pradesh, India. (June 23, 2021)**
    Topic: Internet of Drone Things

58. **Organized 2 Session at Five Days Faculty Development Program on "Art of Writing Research Article and IPR" at Sri Krishna Institute of Technology, Bangalore, India. (July 19 and July 23, 2021)**
    Topic: Introduction on Writing a Research Article
    Protect your Research via IPR/Patents

59. **Organized 2 Session at 6 Days Online AICTE STTP on IoT and its Application in Industry at Sikkim Manipal University, Sikkim, India. (July 22, 2021)**
    Topic: Communication Protocols and Standards for Industrial IoT
    Industrial IoT in the making of Smart Factories

60. **Organized 2 Session at One Week Faculty Development Program on "Artificial Intelligence and Machine Learning: Need of an Hour" at K.R. Mangalam University, Haryana, India. (July 27, 2021)**
    Topic: Explainable AI in Industry and Digital Twins Revolution in Manufacturing Industry.

61. **Organized 1 Session at AICTE Sponsored Online Faculty Development Program on the Internet of Things and Everything- IoT/IoE by Department of Electronics and Communication Engineering, Chandigarh University, Mohali, India. (July 28, 2021)**

Topic: Internet of Everything.

62. **Organized 2 Days Virtual Workshop on "Art of Research" at SAI Ram Institute of Technology, Chennai. (August 23-24, 2021)**
    Topic: Research Methodology

63. **Organized 2 Sessions at Essentials of IoT for Mechanical Engineers at Sardar Vallabhbhai Patel Institute of Technology, Gujarat, India. (24th August, 2021)**
    Topic: Internet of Robotic Things; Smart Transportation System

64. **Organized 1 Day at One Week AICTE Sponsored ATAL FDP on "Internet of Things (IoT) with Machine Learning and Artificial Intelligence" at ITS Engineering College, Greater Noida, India. (September 14, 2021)**
    Topics: Future Intelligent Smart Transportation System and Future Intelligent Smart Wireless Communications- LoRaWAN and How to Design IoT Lab.

65. **Organized 1 Day at 5 Days International Virtual FDP on "Quality Technical Paper Publication and Intellectual Property Rights (IPR)" at ATRIA Institute of Technology, India. (September 30, 2021)**
    Topic: IPR, Formalities to follow with US Patents

66. **Organized 1 Day at ATAL Academy Sponsored Five Days FDP on "Blockchain Technologies and its Applications" at Department of Computer Science and Engineering, Manipal Institute of Technology, Manipal, India.**
    Topic: Blockchain in Cyber Security.

67. **Organized 1 Day at ATAL Academy AICTE Sponsored FDP on "Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities" at Jaipur Engineering College and Research Center (JECRC), Jaipur, Rajasthan, India.**
    Topic: Internet of Medical Things and Sensor Technology in Healthcare Informatics

68. **Organized 1 Day at AICTE/ISTE Sponsored FDP on "AI in Electrical Signal Analysis" at R.C. Patel Institute of Technology, Shirpur, India.**
    Topic: Application and Prospect of AI in Smart Grid.

69. **Organized 1 Day at AICTE Training and Learning (ATAL) sponsored FDP on "Machine Vision and Digital Twin" at Sathyabama Institute of Science and Technology, India.**
    Topic: Digital Twin and Industry 4.0; Internet of Medical Things.

70. **Organized 1 Day (1 Session) at AICTE Training and Learning (ATAL) Academy sponsored FDP program on "Industry 4.0: Digitalization, Sensorization and Optimization" at Manav Rachna University, India.**
    Topic: IoT Applications for Industry 4.0

71. **Organized 1 Day (1 Session) at AICTE Sponsored FDP program on "Artificial Intelligence (AI) based Conditional Monitoring of Electrical Systems" at Amrutvahini College of Engineering, Sangamner, Pune.**
    Topic: Smart Grids Technology

72. **Organized 1 Day (2 Session) at UGC Sponsored Refresher Course on "Biotechnology" at Kumaun University, Nainital.**
Topic: Artificial Intelligence with Special Reference to Medical Technology.

73. **Organized 1 Day (1 Session) at AISTE and ISTE Sponsored FDP Program on "Design Thinking" at Vidyavardhaka College of Engineering, Mysuru.**
    Topic: Introduction to Agile Methods and Challenges of Problem Definition

74. **Organized 1 Day (1 Session) at One Week Residential Training on "Internet of Things (IoT) for Scientists, Engineers and Technologists" Sponsored Under Scheme: National Training Program for Scientists and Technologists working in Government Sector Under General Component by Ministry of Science and Technology, Govt of India)**
    Topic: Research Opportunities in IoT

75. **Organized 1 Day (1 Session) at Two Weeks Department of Science and Technology (DST) Sponsored Faculty Development Program on "Emerging Technologies" at Department of Computer Science and Engineering, Jamia Hamdard University, New Delhi.**
    Topic: Metaverse Next Generation Augmented Reality

76. **Organized 1 Day (1 Session) at 5-Day Online International FDP on "Current Trends in Information Technology" at MEASI Institute of Information Technology, India.**
    Topic: Software Defined Networking- Foundation Concepts and Research Direction

77. **Organized 1 Day (1 Session) at 5-Day Online FDP on "Recent Advancements in Intelligent Computing Technologies" at Sri Krishna College of Engineering and Technology, India.**
    Topic: Medical Image Processing

78. **Organized 10 Day (10 Sessions) course at "Symbiosis Institute of Technology", India.**
    Topic of Talk: Research Methodology Course- 10 Day Course for Ph.D Students and Faculty Members

79. **Organized 1 Day (1 Session) at 1st National Level Research Conclave at "Nirma University", India.**
    Topic of Talk: Idea Conversion to Patent

80. **Organized 2 Day (2 Sessions) at ATAP FDP on ReCENT Trends In Realizing Smart Sustainable Cities: Harnessing the Internet of Things Based (IoT), Software Defined Networks (SDN) and Services" at National Institute of Technology, Meghalaya, India.**
    Topic of Talk: Industry 4.0; Digital Twins

81. **Organized 1 Day (1 Session) at International Workshop on Augmented Reality conducted by Department of Computer Science (PG), PSGR Krishnammal College for Women, Coimbatore, India.**
    Topic of Talk: AR in Healthcare

82. **Organized 1 Day (1 Session) at International Faculty Development Program titled "Smart Future Technologies in AI/ML and Data Analytics" organized by Department of Information Technology and Engineering, Amity University, Tashkent, Uzbekistan.**
    Topic of Talk: 6G Wireless Networks

83. **Organized 1 Day (2 Sessions) at One Week Workshop on "Blockchain and Cryptocurrencies" organized by Sri Mata Vaishno Devi University, J..K., India.**
    Title of Talks:
    a. **The Role of Distributed Ledger Technology for Beyond 5G Networks**
    b. **Blockchain and Cyber Security**

84. **Organized 1 Day (2 Sessions) at National Level Faculty Development Program on "Role of Electric Vehicles in Shaping Sustainable Transportation Systems" by Sathyabama Institute of Science and Technology, India.**
    Topic of Talk: Autonomous Vehicles
    Trends in EVs and Research Directions

85. **Organized 1 Day (2 Sessions) at STTP on "Emerging Trends in AL and ML" organized by Rajarshi Shahu College of Engineering, India.**
    Topic of Talks:
    ChatGPT and Conversational AI with Reinforcement Learning from Human Feedback
    Hands on Experience with ChatGPT 3.5 with Prompt Engineering and AI based Generative AI experience

86. **Organized 1 Day (1 Session) at "International Workshop on Computational Intelligence 2023 (IWCI 23)" being organized at Amrita School of AI, Amrita Vishwa Vidyapeetham, Coimbatore, India.**
    Title of Talk: ChatGPT and Conversational AI with Reinforcement Learning from Human Feedback

87. **Organized 1 Day (1 Session) at "Short Term Course on Computer Vision and Intelligent Applications (CVIA 2023)" being organized at National Institute of Technology, Kurukshetra.**
    Title of Talk: Future of Healthcare- Internet of Medical and Artificial Intelligence Oriented Medical Things.

88. **Organized 1 Day (1 Session) at "International Workshop on Navigating Tomorrow with AI, ML and Data Science for Intelligent Solutions" being organized at Regional College for Education Research and Technology, Jaipur, India.**
    Title of Talk: AI Impact on Humanity, ChatGPT and Conversational AI with Live Websites"

89. **Organized 1 Day (1 Session) at "Recent Trends in Recent Technologies: Computational Intelligence and Cyber Security" being organized at Bhagwan Parshuram Institute of Technology, New Delhi, India.**
    Title of Talk: Autonomous Vehicles

90. **Organized 1 Day (1 Session) at "One Week Workshop on Blockchain and Cloud Security" being organized by School of Computer Science and Engineering, XIM University, Bhubaneshwar, India.**
    Title of Talk: Cryptography and Blockchain Security

91. **Delivered 1 Day (2 Sessions) at "Copyrights and Patents: How to pursue them Practically" at Research Center, Muscat College, OMAN**

Title of Talk: Copyrights and Patents: How to Submit, File and get Patents Granted.

92. **Delivered 2 Day (2 Sessions) at "Faculty Development Program on Harnessing Generative AI for Intelligent Systems in Today's Computing World" at National Institute of Technology, Warangal and Nitte Meenakshi Institute of Technology, Bangalore, India.**

Title of Talk: Large Language Models, Generative AI and ChatGPT with Reinforcement Learning with Human Feedback.
Fundamentals of Grant Writing and Developing a Grant Proposal

93. **Delivered 1Day (1 Session) at "One-Week Workshop on Next-Gen AI and ML" at Baba Farid Group of Institutions, Bathinda, Punjab, India.**

Title of Talk: Responsible AI- Ethics, Bias and Fairness in AI Models

94. **Delivered 1 Day (1 Session) at "Faculty Development Program on Exploring Immersive Learning through Augmented Reality and Virtual Reality" being organized at Fr. Conceicao Rogrigues College of Engineering, Mumbai.**

Title of Talk: Extended Reality

95. **Delivered 1 Day (1 Session) at "Seminar-Workshop on Generative AI for Efficient Research Management, World University Ranking Initiatives, and Gender Mainstreaming for Sustainability" at Cebu Technological University, Cebu City, Phillipines**

Tile of Talk: Exploring the Technology of Large Language Models and Hands on AI Tools.

96. **Delivered 1 Day (1 Session) at "ATAL FDP on Future Prospects of Innovations in Artificial Intelligence" being organized by Department of Computer Science, Kongunadu Arts and Science College (Autonomous), Coimbatore, India.**

    Title of Talk: Large Language Models Agents and Hands on AI Tools for Research and Productivity

97. **Delivered 1 DAY (1 Session) at "One Week Workshop on IoT in Emerging Tech: Opportunities and Applications" being Organized by School of Computer Science and Engineering, XIM University, Bhubaneshwar, India.**

Title of Talk: Internet of Robotic Things, Cobotics Technology: State of Art Research in IoT

98. **Delivered 1 Day (1 Session) at "ATAL FDP Program on Introduction to IoT and Machine Learning: Essential Skills for Smart Cities and Mobility" at Government Polytechnic College, Hamirpur, India.**

Title of Talk: Harnessing Explainable AI for Smart Cities: Enhancing Transparency and Trust in Urban Decision-Making

99. **Delivered 1 Day (1 Session- Session 5) at "Atal FDP Program on From Classical to Quantum: Machine Learning in the Era of Quantum Computing" being organized at AVN Institute of Engineering and Technology, Ibrahimpatam, India.**

Title of Talk: Quantum Algorithms for Machine Learning

100. **Delivered 1 Day (2 Sessions) at "ATAL AICTE Sponsored Online FDP Program on Artificial Intelligence and its Applications in Research" being organized by Rajarshi Shahu College of Engineering, Tathawade, Pune, India.**

Title of Talk: Conducting Effective Literature Review using AI; Top AI Tools for enhancing researcher Productivity.

101. **Delivered 1 Day (1 Session) at "Online Five Days Faculty Development Program (FDP) on Innovative Teaching Learning Pedagogy to Bridge Gap Between Academic and Industry 5.0" being organized by Faculty of Engineering and Technology, SGT University, India.**

Title of Talk: Industry 5.0 and Modern Cyber Physical Systems

102. **Delivered 1 Day (1 Session) at "AICTE ATAL Faculty Development Program on Exploring AI using IBM Watson and Google Colab" being organized by Department of Computer Science and Engineering, Faculty of Engineering and Technology, Gurukul Kangri University, Haridwar, Uttarakhand, India.**

Title of Talk: Large Language Models and Future of LLM and Generative AI with Hands on AI Tools.

103. **Delivered 1 Day (1 Session) at MeitY, Government of India Sponsored "5 Days FDP Program on Introduction to IoT, AI and its Applications" being organized by Electronics and ICT Academy, CDAC Mohali in collaboration with JECRC Foundation, Jaipur, India.**

Title of Talk: Internet of Medical and Artificial Intelligence Healthcare IoT

104. Delivered 1 Day (1 Session) at IEEE Student Branch and IETE ISF Forum regarding "International Faculty Development Program on Teaching for the Future: Global Best Practices in Higher Education" organized by Anna University, Chennai

Title of Talk: AI for Education and Teaching and Exploring ChatGPT for Effective Teaching

105. Delivered 1 Day (1 Session) at AICTE ATAL Sponsored Academy Faculty Development Program on VLSI Design Innovations for Defense Applications at GMR Institute of Technology, India.

Title of Talk: Internet of Medical Things and Artificial Intelligence of Things

106. Organized 2 Days (2 Session) at Electronics & ICT Academy, National Institute of Technology, Warangal, India on "Online Faculty Development Program on Smart Futures: Harnessing IoT, 6G and Energy Optimization for a Sustainable Tomorrow".

Title of Talk:
Session 1: Evolution of 5G to 6G: Key Features, Challenges, and Research Scope
Session 2: Paper Writing and Research Methodologies

107. Organized 1 Day (1 Session) at Government Engineering College, Modasa, India on "AICTE-ATAL Sponsored FDP on Advancements in Data Science and Machine Learning: Concepts to Applications"

Title of Talk: Data Pre-Processing on Real-World Datasets

108. Organized 2 Days (5 Sessions) at Duy Tan University, Viet Nam, on "iTechpath UK-Viet Nam Partnership Sponsored Joint FDP program on "Human Adaptive Cyber- Physical Systems (HACPS)

Title of Talks: Cyber Physical Systems; Industry 5.0; AI in Healthcare; Smart Autonomous Transportation Systems; Cobotics.

109. Organized 1 Day (2 Sessions) at National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh on "One Week ICT Based STC on Deep Learning for Engineering Applications"

Title of Talk:
Session 1: Agentic AI and Responsible agents
Session 2: Programming Agent using Google Antigravity (Hands on Session)

110. Delivered 1 Day (1 Session) at Sri Mata Vaishno Devi University, India on " Foundational AI: Large Language Models and Generative AI"

Title of Talk: LLM Models- What why and Where? And Hands on AI Tools.

111. Delivered 2 Days (2 Sessions) at Nagarjuna College of Engineering and Technology on "Five Days Faculty Development Program on Adopting AI Tools to Elevate Student Engagement and Learning"

Title of Talk: AI Tools for Productivity
AI Tools for Research

112. Delivered 1 Day (1 Session) at Vivekananda Institute of Professional Studies-Technical Campus, New Delhi, India.

Title of Talk: 6G Vision, Roadmap and Frontiers and Challenges and Implementations on 6G, with Hands on 6G Wireless Simulator.

113. Delivered 2 Days (2 Sessions) at National Institute of Technical Teachers Training and Research (NITTTR, Chandigarh) for the STC on "AI and IoT for Next Generation Systems".

Title of Talk: Internet of Drone Things (IoDT): Next Generation Drone Technology
Transforming Private 5G Networks and How 5G and Edge Computing Advance IoT Value in present industry 5.0.

114. Delivered 1 Day (2 Sessions) at Meerut Institute of Engineering and Technology, Meerut, India for FDP on "Next Generation Artificial Intelligence: From Generative Models to Genome AI".

Title of Talk: Transformers and Large Language Models (LLMs) and Agentic AI, Prompt Engineering and Fine-Tuning Techniques
Hands on Prompt Engineering and a Strong Insight about AGENTIC AI Development using Agents, Hands on Generative AI based Tools for Research and Productivity.

115. Delivered 4 Days (4 Sessions) at Rustamji Institute of Technology, India for FDP on AI-Enabled Pedagogy for Transforming Teaching-Learning".

Title of Talk: How to conduct Literature Review, How to write Project Proposals and AI Tools for conducting Research and Literature review; Hands on AI Tools for Productivity and General Life; Patents and how to be Effective Teaching; AI in EdTech.

(ACADEMIC/ RESEARCH/ EDUCATION AWARDS)

Total Awards: 58

1. ***College Color*** **from DBIMCS as Best Speaker, Quizzer and Best Student of MCA Course 2005-08.**

2. ***Shiksha Ratan Puraskar Award 2012-Computer Science*** **by India International Friendship Society (IIFS), New Delhi.**

3. ***Best Citizen of India Award 2012- Computer Science*** **by Best Citizen Publishing House, New Delhi.**

4. ***ISTE Best Teacher Award 2013-Computer Science*** **by Indian Society of Technical Education (ISTE), India.**

5. ***Young Scientist Award 2013-Computer Science Research Excellence*** **by IRAJ Research Association, India.**

6. ***Bharat Excellence Award 2014-Education& Research*** **by Friendship Forum of India.**

7. ***Rashtriya Gaurav Puraskar Award 2014-Computer Science, Education & Research- Achievements and Contributions*** **by India International Friendship Society (IIFS), New Delhi.**

8. ***Rashtriya Jewel Award 2015-Education& Computer Science Research*** **by Friendship Forum of India.**

9. ***Global Excellence Award 2015-Education& Scientific Research*** **by Friendship Forum of India.**

10. ***Exemplary Educationist Award 2015-Education Achievements and Contributions Research*** **by Indo Global Chamber of Commerce, Industries and Agriculture in Association with Confederation of Indian Universities at The International Education and Leadership Summit-2015.**

    a. ***(First Computer Science Professor in Punjab to Receive this Award)***

11. ***Distinguished Faculty Award 2015-Education Achievements and Contributions Research*** **by Indo Global Chamber of Commerce, Industries and Agriculture in Association with Confederation of Indian Universities at The International Education and Leadership Summit-2015.**

    a. ***(First Computer Science Professor in Punjab to Receive this Award)***

12. ***Indira Gandhi Award for Excellence 2015-Education& Scientific Research*** **by Friendship Forum of India.**

    a. ***(First Computer Science Professor in Punjab to Receive this Award)***

13. ***ISTE SECTION BEST COMPUTER SCIENCE TEACHER*** **by Indian Society for Technical Education (ISTE), New Delhi.**

    a. ***(First Computer Science Professor in Punjab to Receive this Award- 2nd Time)***

14. ***Global Teacher Role Model Award 2015*** **by MVLA Trust, Mumbai.**

    a. ***(First Computer Science Professor in Punjab to Receive this Award)***

15. ***Young Researcher Award 2017*** **by ITSR (Institute of Technical and Scientific Research), Jaipur.**

    a. ***(First Computer Science Professor in Punjab to Receive this Award)***

16. ***Best Scientist Award 2017*** **by ITSR (Institute of Technical and Scientific Research), Jaipur.**

    a. ***(First Computer Science Professor in Punjab to Receive this Award)***

17. ***Asian Status Award for Intellectual People 2018-Education& Scientific Research*** **by Friendship Forum of India.**

18. ***Global Indian Personality Award 2018 -Education & Scientific Research*** **by Friendship Forum of India.**

19. ***Indo-International Emerging Star Award 2018-Education & Scientific Research*** **by Friendship Forum of India.**

20. ***Outstanding Researcher Award (Computer Science and Engineering)2019-Advanced Research*** **by GOREA, India.**

21. ***Top 1% Reviewer- Computer Science, Engineering and Cross-Field for Reviews*** **by Publons- Year 2019.**

22. ***Best Researcher- Computer Science*** **by Duy Tan University- Year 2019, 2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025 (Consistent 6 Years Award Holder)**

23. ***Distinguished Scientist Award- Computer Science*** **by VDGOOD Professional Association under International Scientist Awards on Engineering, Science and Medicine- Year 2020.**

24. ***International Researcher of the Year 2020- Computer Science*** **by ICCIC 2020 Conference.**

25. ***Excellence in Education Award-2020- Computer Science*** **by Institute of Technical and Scientific Research, Jaipur, India.**

26. ***Outstanding Teacher of Indian Origin working in Foreign University 2020*** by MTC Global, under MTC Global Award for Excellence, 2020.

27. ***Top 2% Scientist by PLOS ONE and STANFORD University, 2019, 2020, 2021, 2022, 2023, 2024, 2025 (Career Single Year)- Artificial Intelligence, Networking and Telecommunications and Information and Communication Technologies. (Rank: 7093 (2025); Rank: 9968 (2024); Rank: 12522 (2023); Rank: 18310 (2022); Rank: 40845 (2020); Rank: 132860 (2019)***

28. ***Dr. Sarvepalli Radhakrishnan Best Teacher Award 2021*** by Society for Learning Technologies, Recognized by Government of Andhra Pradesh, India.

29. ***Distinguished Scientist Award 2021*** by Social Science Research Network (SSRN), ELSEVIER.

30. ***Outstanding Scientist Award 2021*** by VDGOOD, India.

31. ***Vivekananda Prize 2021*** by Institute of Researchers, India.

32. ***Distinguished Professor Award-*** **by Cognizance Alliance, India. Year 2022 for Outstanding Contribution in the Field of Teaching, Administration, Publication, Research and Development and Continued dedicated service to the academic and student community.**

33. ***Excellence Service Award-*** **by VDGOOD Professional Association. Year 2022.**

34. ***Perficio Award 2022- BEST INNOVATIVE FACULTY OF YEAR 2022*** **by DHS Foundation India and Faculty of Entrepreneurship and Business, Universiti Malaysia, Kelantan, Malaysia in collaboration with Janardhan Rai Nagar Rajasthan Vidyapeeth University, India.**

35. ***InRes Young Fellow Award 2022*** **by Institute of Researchers, India.**

36. ***Best Senior Scientist Award 2022*** **by Global Education and Corporate Leadership (GECL 2022) Awards, 5th International Annual Awards Summit, India.**

37. ***Asia's Top 50 Academician and Scientist 2022*** **by EET CRS Research Wing for Excellence in Professional Education and Industry by Educationexpo.tv.**

38. ***The Distinguished Scientist Award 2023 and Medal Lecture*** **by National University of Singapore (NUS), Singapore under "International Conference on Low Energy Digital Devices and Computing (ICLED 2023)**

39. ***2022 Outstanding Editorial Member Award*** **by Intelligent Automation and Soft Computing (IASC Journal)—Tech Science Press.**

40. ***Pro-X R&D Award 2023- Name in Academics (Computer Science)*** **by Record Owner, Home of Records, India.**

41. ***Pro-X R&D Award 2023- Name in Research (Computer Science)*** **by Record Owner, Home of Records, India**

42. ***Obada Prize 2023- Young Distinguished Researchers*** **by the Natural Sciences Publishing and African Academy of Sciences to recognise the excellence of Egyptian Mathematics Emeritus Professor, Obada Abdel Shaf.**

https://obadaprize.com/portfolio-types/young-distinguished-researchers/

43. ***Lifetime Achievement Award 2023- Computer Science Teaching and Research*** **by SK Research Group of Companies, Associated with Senthalir Human Development Trust, Government of Tamil Nadu, India.**

44. ***Best Intellectual Property Rights (IPR) Holder Award 2023*** **by ITSR Foundation, India.**

45. ***Distinguished Academic Leader Award 2024*** **by IRSD, India.**

46. ***Top Cited Scholar Award 2024*** **by Scilit, MDPI.**

47. ***Lifetime Achievement Award 2024- Computer Science Teaching and Research*** **by Leilani Katie Publication and Press, Associated with Senthalir Human Development Trust, Government of Tamil Nadu, India. Award ID: LKP- AIA-729.**

48. ***Best Scientific Researcher Award 2024, 2025*** **by School of Computer Science, Duy Tan University, Da Nang, Viet Nam.**

49. ***Alan Turing Excellence Award in Research and Development 2025*** **by MTTF (MathTech Thinking Foundation and Sharda University, India.**

50. ***Certificate of Distinction 2026*** **by Codecanvas The Global Hub for Extraordinary Research and Leadership for Research and Strong Publications Impact. Membership No: ELC-85-89-BSU-2026.**

(Administrative Experience)

- **Appointed as *Special Observer* in PTU Distance Examinations March 2010 in GGNIMT, Civil Lines Ludhiana. Center Code: 1219105**

- **Appointed as *Technical Panel Expert* in 1-Day Workshop to Design Curriculum of Diploma Programme in Information Technology for Polytechnic Colleges in NITTTR Chandigarh.**

  Syllabus Designed: Cloud Computing, Data Communications, Technical Specifications Writing.

- **Appointed as *Resource Person* (Region-1) by Computer Society of India for delivering Lectures on Computing Areas- Cloud Computing, IoT, Wireless Sensor Networks, Cyber Security.**

  http://csi-india.org/resource_person.aspx

(Invited Judge/Guest- College Functions)

- **Invited as Judge at Guru Nanak Khalsa College for Women for "Paper Presentation Competition" at Prof. Gurbir Singh Sarna Memorial on February 20, 2015.**

- **Invited as Judge at Mata Sahib Kaur Girls College for "Power Point Presentation Contest" on April 7, 2016.**

- **Judge at VIRTUAL ENTREPRENEURSHIP HACKATHON 2024- ASEAN GREEN Entrepreneurship Hackathon, Hosted by P2P Secretariat and Duy Tan University on August 19, 2024.**

- **Semi-Final Judge at ASEAN AI Hackathon 2026 organized by Duy Tan University, on 30th July, 2026.**

Research Organizations/Professional Societies-Membership

1. **Senior Member- IEEE (Membership No: 94852369)**

2. **Senior Member- Professional Membership of Association for Computer Machinery (ACM)- (Membership No: 5200633) (Membership Type: Professional Membership-Annual) (Senior Member: 2015 Onwards)**
   (ACM DISTINGUISHED SPEAKER- September 2018 to June 2021)

3. **Life Membership of Computer Society of India (CSI-INDIA), India. (Membership No: I1502825) (Membership Type: Life Membership)**

4. **Distinguished Member of European Alliance for Innovation (EAI). (https://blog.eai-conferences.org/2020/11/11/announcing-eai-distinguished-members-class-of-2020/)**

5. **Fellow Member of International Scientific Research Organization for Science, Engineering and Technology (ISROSET, India). (Membership Type: Fellow) (Membership Number: ISROSET-FM-1124**

6. **Life Membership of Indian Society for Technical Education (ISTE), India (Membership No: 78808) (Membership Type: Life Membership)**

7. **Life Membership of Punjab Academy of Sciences (PAS), Punjabi University, Patiala. (Membership No: L-1304) (Membership Type: Life Membership)**

8. **Life Membership of Indian Science Congress Association (ISCA), Kolkata, India. (Membership No: L23993) (Membership Type: Life Membership) (Section: Information and Communication Science & Technology (Including Computer Science)**

9. **Life Membership of Cryptology Research Society of India (CRSI), India. (Membership No: L/0524) (Membership Type: Life Membership)**

10. **Life Membership of International Association of Engineers (IAENG), Hong Kong (Membership No: 110841) (Membership Type: Life Membership)**

11. **Life Membership of International Association of Computer Science & Information Technology (IACSIT), Singapore (Membership No: 80340482) (Membership Type: Life Membership)**

12. **Life Membership of Indian Academicians and Researchers Association (IARA), India. (Membership No: M/M-148) (Membership Type: Life Membership)**

13. **Life Membership of All India Association for Educational Research (AIAER), India (Membership No: 3399) (Membership Type: Life Membership)**

14. **Life Membership of International Society for Development and Sustainability (ISDS), Japan (Membership No: M140445) (Membership Type: Life Membership)**

15. **Life Membership of Computer Science Teachers Association (CSTA), USA (Membership No: 5200633) (Membership Type: Life Membership)**

16. **Life Membership of Internet Society (ISOC), USA (Membership No: 62888) (Membership Type: Global Membership)**

17. **Life Membership of Society of Digital Information and Wireless Communication (SDIWC), Lithuania. (ID No: 2006).**

18. **Life Membership of Universal Association of Computer and Electronics Engineers (UACEE), India. (Membership No: A7800627) (Membership Type: Life Membership)**

19. **Life Membership of Universal Association of Arts and Management Professionals (UAAMP), India. (Membership No: AM10100051254) (Membership Type: Life Associate Member)**

20. **Life Membership of Institute of Research Engineers and Doctors (IRED), India. (Membership No: AM1002693) (Membership Type: Life cum Associate Member)**

21. **Life Membership of International Association of Engineers and Scientists (IAEST), Singapore. (Membership No: 011084280, Membership Type: Member).**

22. **Life Membership of Asia-Pacific Chemical, Biological and Environmental Engineering Society (APCBEES), Hong Kong. (Membership No: 200586, Membership Type: Life Membership)**

23. **Life Membership of Science and Engineering Institute (SCIEI), Hong Kong. (Membership Type: Senior Member, Membership No: 009120120213001)**

24. **Life Membership of International Economics Development Research Center (IEDRC), Hong Kong. (Membership No: 90080238, Membership Type: Life Membership)**

25. **Life Membership of Global Educational Research Association (GERA), Phagwara, Punjab, India. (Membership Type: Prospective Member, ID No: 158).**

26. **Life Membership of International Association for Engineering and Management Education (IAEME), India. (Membership Type: Life Membership).**

27. **Life Membership of British Science Association.**

28. **Life Membership of Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (ICST), Belgium.**

29. **Life Membership of International Association of Online Engineering (IAOE), Vienna, Austria. (Membership ID: 413, Membership Type: Life Membership).**

30. **Life Membership of Academy and Industry Research Collaboration Center (AIRCC), India. (Membership ID: 128716, Membership Type: Life Membership).**

31. **Life Membership of i-Xplore International Research Journal Consortium (IRJCJOURNALS.ORG), India. (Membership ID: 12085, Membership Type: Life Membership).**

32. **Life Membership of International Association of Academicians and Researchers (INAAR), India. (Membership ID: 1017, Membership Type: Life Membership).**

33. **Life Membership of Research and Educational Society (RESINDIA), India. (Membership ID: RESIJMCS21MEM, Membership Type: Life Membership)**

34. **Life Membership of Asian Society for Academic Research (ASAR), India. (Membership ID: ASAR20137, Membership Type: Life Membership)**

35. **Life Membership of International Association of Academicians, Scholars, Scientists & Engineering, India. (IAASSE, Membership Type: Life Membership)**

36. **Life Membership of International Association for Computerized Adaptive Testing (IACAT, Membership Type: Life Membership).**

37. **Life Membership of International Society on Multiple Criteria Decision Making (MCDM, Membership Type: Life Membership).**

38. **Life Time Membership of International Association for Cyber Science and Engineering (IACSE), Hong Kong. (Membership No: 2015ICTAA00306, Membership Type: Life Membership).**

39. **Life Time Professional Membership of Industrial Engineering and Operations Management (IEOM) Society, India. (Membership No: PN-142-9311). Membership Type: Professional Member**

40. **Life Membership of Association of European Operational Research Societies (EURO, Membership Type: Life Membership)**

41. **Life Membership of Institute of Advanced Scientific Research (IASR), U.S.A.**

42. **Life Membership of Informing Science Institute (ISI).**

43. **Life Membership of International Association of CPAs, Attorneys and Management (IACAM), Delaware.**

44. **Life Membership of International Fleet Management Benchmarking Association (IFMBA), USA.**

45. **Life Time Associate Membership of Institute of Nanotechnology (IoN), U.K.**

46. **Life Time Membership of International Scientific Academy of Engineering and Technology (ISAET), India.**
    a. **(http://www.isaet.org/members.php?page=22)**

47. **Life Membership of Indian Mathematical Society (IMA), University of Pune, India. (Membership Type: Life Membership)**

48. **Life Membership of International Indian Statistical Association (IISA), India. (Membership Type: Life Membership)**

49. **Life Membership of Indian Society of Information Theory and its Applications (ISITA), India (Membership Type: Life Membership)**

50. **Life Membership of International Institution of Science Technology Engineering and Management (IISTEM), India. (Membership No: IISTEM20137)**

51. **Life Membership of Center for Education Growth and Research (CEGR), India. (Membership No: CEGR/OT)**

52. **Life Membership of South Asia Institute of Science and Engineering (SAISE), US. (Membership No: 20170129001)**

53. **Academic Membership of MT Research & Educational Services (MTRES). (Membership No: AM-A0077)**
54. **Affiliate Membership of International Federation of Automatic Control (IFAC), Austria.**

55. **Life Membership- Associate Member of International Association of Innovation Professionals (IAOIP)**

56. **Life Membership- Associate Member of International Association of Outstanding Professionals (IAOP), Florida. (Membership No: IAOP-64781)**

57. **Annual Membership- Academic Professional Member of Society for Data Science, India. (Membership No: S4DS-APM-2018-00016)**

58. **Life Membership- Associate Member of Global Leaders Foundation, India.**

59. **Life Membership Society for Learning Technologies, India. (Membership No: LM336)**

60. **Life Membership Institute of Researchers, India. (Membership No: LM042102)**

61. **Fellow Member- The Research World, International Society of Scientists and Engineers, India. (Membership No: TH/2024/602.**

62. **Life Membership—Beijing Zhonhguan Electric Power Energy Big Data Research Institute, China. (Membership Number: BJZHDLHY20260037.**

Teaching Experience

Total Experience: (18+ Years)/ 8+ Years Post- Ph.D Experience

Duy Tan University, Da Nang, Viet Nam

Professor, Scientist, Vice-Chairman (Research)

Director- IoT and Intelligent Systems Lab

School of Computer Science, International School, American Development Program (ADP), Faculty of Information Technology

Jan 26, 2018- Till Present

- **Teaching BS, MS, Ph.D. Classes.**
- **Subjects (Graduate-B.S. Classes): Introduction to Networking and Telecommunications, Introduction to Database Systems, Software Process and Quality Management, Software Project Management, Software Measurements and Analysis, Information Warfare, Artificial Intelligence, Operating System, Linux Administration, E-Commerce, Network Security, Big Data Analytics, Computer Security and Reliability, Elements of Network Security, Machine Learning, English for IT, Introduction to Cloud Computing, Machine Learning, Machine Learning Lab**
- **Subjects (Masters- M.S. Classes): Network Security, Software Testing, Distributed Systems and Cloud Computing, Blockchain Technology, Security in IoT.**
- **Subjects (Ph.D Classes): Research Methodology**
- **Mentor- Capstone Projects- B.S., M.S. and Ph.D Students**
- **Speaker- ASEAN 2018, FICTA 2018, DSC-Hello World.**
- **Conferences- Local Chair- INISCOM 2018, Publicity Chair/Local Secretary- FICTA 2018.**

KCL Institute of Management and Technology, Jalandhar

Assistant Professor & Head- Research and Development Cell

August 2011—October 2017

- **Teaching BCA, BBA, BCom, MBA, MCA classes.**
- **Subjects: Computer/IT Fundamentals, IT Fundamentals (Lab), Management Information Systems, Software Engineering, Artificial Intelligence, System Simulation, Human Values and Professional Ethics (HVPE), System Analysis and Design (SAD), Operating System, Operating System LAB, Java Lab, Information Management Lab, Data Mining and Data Warehousing, Advanced Operating System (AOS), Advanced Operating System Lab, Computer Graphics Lab, Embedded Systems, Embedded Systems-LAB, Network Security and Administration, Information Security, Programming in C, Systems Administration.**
- **Research and Development Cell - Head and Coordinator**
- **Organized IT Quiz 6 Times for students of IT Department as Event Coordinator and "*Quiz Master*"**
- **Part of *Organizing cum Advisory Committee* of HR Summit 2012 Future of Strategic HR: Challenges and Opportunities Ahead.**
- **Part of Event Coordination-Tech-Radiance 2015, 2016,2017 – Cyber Quiz, Typing Test and Lan Gaming.**
- **Part of Event Coordination -Symphonic 2014, 2015, 2016, 2017 – Cyber Quiz, Typing Speed Test.**
- **Co-Coordinator: 7 Days FDP on Emerging Trends & Challenges in Management and IT Education.**
- **Delivered 100% Results from last 8 Years of Service in MCA, BCA, MBA, BBA, B.Com. PTU University Examinations.**

K.L.S.D College & Arya College, Ludhiana

Assistant Professor

June 2009-June 2011

- **Teaching BCA, PGDCA, BBA, MSC (IT).**
- **Subjects: Data Structures, Networking, DBMS, Management Information System (MIS), FIT, Algorithm Analysis & Design (ADA), Linux Administration.**
- **Involved as Project Guide for B.C.A., PGDCA and M.Sc. (IT) Students.**
- **Worked as Deputy Superintendent/Assistant Superintendent in House Examinations & Punjab University Final Examinations 2009-10, 2010-11 Batches.**

Pace Computers Ltd., Ludhiana

Centre Manager

July 2008-June 2009

- **Teaching Hardware, MCSE, RHCE, CCNA, Web Development.**
- **Completely involved as Systems Administrator in Maintaining and Troubleshooting Labs Environments.**
- **Implemented Windows 2003 server for Students Rights and Policy management.**
- **Involved in 6Weeks/6Months Industrial Training of Networking, Database, .net and Live Projects Management and Deployment.**

IDS Infotech Ltd, Mohali

Systems Administrator cum Network Trainee

Jan 2008- July 2008

- **Desktop Technical Support on Windows 2003/2008/XP.**
- **Troubleshooting & Configuring CISCO Router 2600 and CISCO PIX 515e.**
- **Red Hat Enterprise Linux 4/5.2 Troubleshooting cum Server Administration.**
- **Windows 2003 Systems Administration cum Web Administrator on IIS & APACHE Web Server Administration.**
- **Full Implementation of VPN (SITE TO SITE AND REMOTE ACCESS) Server.**

References

Reference: 1

Name: Dr. Anand Paul
Designation: Associate Professor, Biostatistics and Data Science Program, The School of Public Health
Organization: Louisiana State University Health Science Center
Address: Biostatistics and Data Science Program, The School of Public Health Louisiana State University Health Science Center, Louisiana 70112, USA
Contact No: +1 (504) 498-5094
E-mail : paul.editor@gmail.com; apaul4@lsuhsc.edu

Reference : 2

Name : Dr. (Prof.) Chuan Ming Liu
Designation : Professor, Department of Computer Science and Information Engineering
Organization : National Taipei University of Technology (Taipei Tech), Taiwan
Address : Room No :1530, Technology Building, National Taipei University of Technology, Taiwan
Contact No : +886 982 201 689
Email : cmliu@csie.ntut.edu.tw

Reference : 3

Name : Dr. Tae-Kyung Kim
Designation : Assistant Professor, Department of Management Information Systems, Director, K- International Student Center (RISE Project), Vice-Director (Startup Foundation), Director (Startup Incubation Center, G-Center Venture) and Director (Convergence Technology Institute)
Organization : Chungbuk National University, South Korea
Address : 1 Chungdae-ro, Seowon-gu, Cheongju, Chungbuk, 28644, Korea
Contact No : +82-10-3090-7916
Email : kimtk@chungbuk.ac.kr

PERSONAL INFORMATION

Name	**:**	**Dr. Anand Nayyar**
Father's Name	**:**	**Sh. Sunil Kumar Nayyar**
Date of Birth	**:**	**10th July, 1984**
Sex	**:**	**Male**
Marital Status	**:**	**Single**
Nationality	**:**	**Indian**
Language	**:**	**English, Hindi, Punjabi, Vietnamese**
Mobile No	**:**	**+91-09878327635 (WhatsApp); +84-0933622812**
Driving License	**:**	**OLA: PB-10 No: PB-1020100011514; 1546035574**
Passport No	**:**	**H7156660 (Old); T3893697 (New)**
Pan Card No	**:**	**AHKPN6607P**

Declaration: **I hereby declare that all the information that I have given here is true according to the attested testimonials. If given a chance to me, I will put in my best efforts to prove myself worthy in the eyes of my employers.**

Date: **Place: Da Nang, Vietnam**

Signature