PALVINDER SINGH MANN, Ph.D

EDUCATION

- **Ph.D - Computer Science & Engineering.**

  University: I K Gujral Punjab Technical University, Kapurthala, Punjab, INDIA. 144603.

- **M.Tech - Computer Science & Engineering.**

  University: I K Gujral Punjab Technical University, Kapurthala, Punjab, INDIA. 144603.

- **B.Tech-Honour's (Gold Medal) - Information Technology.**

  University: Kurukshetra University, Kurukshetra, Haryana, INDIA. 136119.

RESEARCH AREAS

- **Artificial Intelligence**

- **Soft Computing**

- **Cyber Security**

CURRENT EMPLOYMENT

- **Professor**

  Department of Computer Science & Information Technology
  Central University of Jammu (CUJ)
  P.O Rahyaa Suchani, District Samba, J&K, INDIA. 181143.

PREVIOUS EMPLOYMENT

- **Associate Professor, Prog. Coordinator & Head-CS**

  School of Engineering and Technology (SET)
  Gujarat Technological University (GTU)
  (NAAC Accredited A+ Grade University, Est. by Govt. of Gujarat)
  Ahmedabad, Gujarat, INDIA. 382424.

- **Assistant Professor**

  Department of Information Technology
  DAV Institute of Engineering & Technology (DAVIET)
  Jalandhar, Punjab, INDIA.144008.

PROJECT GRANT(S)

1. *"Center of Excellence (CoE) in Blockchain Technology"*, External project grant from Govt. of Gujarat (GoG), FY 2022-23. [Amount sanctioned - **Rs. 1,0000,000 (One Cr.)**]

RESEARCH GRANT(S)

1. *"An efficient approach of Malware attack Detection and Prevention for mobile devices."*, Seed Money Scheme, Gujarat Technological University, AY 2023-24. [Amount sanctioned - **Rs. 90,000 (Ninty Thousand)**]

ADDITIONAL
ROLES

International

- **Appointed APACC (Asia Pacific Accreditation and Certification Commission) Accreditor**, an International accreditation body in the Asia Pacific region, recognised by the International Accreditation Forum (IAF) and the International Laboratory Accreditation Cooperation (ILAC).

National

- Appointment as Expert Panel Member of AICTE-PARAKH, a national level project to assess and improve the skills of students in India by AICTE, New Delhi.
- Appointment as Expert Panel Member for The Inventor Challenge 2023 jointly organised by AICTE, New Delhi in association with Arm Education and ST Microelectronics.
- Appointment as Distinguished Expert Committee Member of AICTE for Scrutiny, Expert Visit (Online/Offline) of the Institutes applying for AICTE Approval.

University / Institute

- Member - Doctoral Research Committee (DRC) - Gujarat Technological University (GTU).
- Independent Director - GTU Innovation and Startup Center (GISC) - Gujarat Technological University (GTU).
- Advisory Board Member- Graduate School of Pharmacy (GSP) - Gujarat Technological University.
- Member - Board of Studies - PG Engineering - Gujarat Technological University (GTU) & Gandhinagar University, Gandhinagar, Gujarat.
- Member - IT Expert Committee - Gujarat Technological University (GTU).
- Member - Project Purchase Committee - School of Engineering and Technology (GSET), Gujarat Technological University (GTU).
- Mentor - Research and Innovation Club - School of Engineering and Technology (GSET),Gujarat Technological University (GTU).
- Coordinator - NBA PG (CS) - School of Engineering and Technology (SET),Gujarat Technological University (GTU).

RESEARCH
DISSEMINATION

- Journal Publications(s)- 77
- International/National Conference(s)- 17
- Book Chapter(s)- 04
- Conference Chair(s)- 04

INVITED TALK(S)

1. Invited Talk on **Cloud Computing: Futuristic Applications & Research** at TEQIP on Emerging trends in Information Technology at CEC Landran, Punjab on July 15, 2013.

2. IEEE Virtual Talk on **Software Quality Assurance** organised by IEEE student branch of AcSIR - CSIO (An Institute of National Importance), Chandigarh on May 30,2020.

3. Invited Talk on **Data Science & Applications** at AICTE sponsored STTP on Data Science and Big Data Analytics at Indo Global College of Engineering, New Chandigarh, Mohali, Punjab on July 30, 2021.

4. Invited Talk on **Artificial Bee Colony - A metaheuristic approach** during STC on Bio Inspired Optimization Techniques at NITTTR, Chandigarh on Jan 18, 2022.

5. Invited Talk on **Cybersecurity in FinTech** during AICTE-GTU sponsored FDP on Technology Applications in Finance (FinTech) at GTU-SMS on Mar 10, 2022.

6. Invited Talk on **Artificial Bee Colony - A metaheuristic approach** during Online FDP on MATLAB – Artificial Intelligence & Optimisation Techniques at NITTTR, Chandigarh on Nov 25, 2022.

7. Invited Talk on **Nature inspired metaheuristic for optimization problem(s)** during Short-Term Training Program (STTP) on Applications of AI/ML in Biomedical Signal Processing and Computer Vision (BSPCV) at Pandit Deendayal Energy university (PDEU), Gandhinagar on 21 July 2023.

8. Invited Talk on **Fraud Detection and Cyber Security & Best Practices of Fraud Detection and Prevention** during Two-week ITEC Course on Financial Fraud Investigation Training Iteration-II for Nepal Police Officers at Rashtriya Raksha University (RRU), Gandhinagar on 12 Sep. 2023.

9. Invited Talk on **Cyber Security & Fraud Management and Best Practices for Fraud Management** during Two-week ITEC Course on Financial Fraud Investigation Training Iteration-II for Nepal Police Officers at Rashtriya Raksha University (RRU), Gandhinagar on 12 Oct. 2023.

10. Invited Talk on **Design Patterns** during one-week course on Object Oriented System Design at NITTTR Chennai, Extension Centre Kalamassery on 16 Nov. 2023.

11. Invited Talk on **Recent Trends in Object-oriented Software Development** during one-week course on Object Oriented System Design at NITTTR Chennai, Extension Centre Kalamassery on 17 Nov. 2023.

12. Invited Talk on **Deep Learning Fundamentals** during one-week course on Artificial Intelligence at NITTTR Chennai, on 02 Feb. 2024.

13. **Unlocking the limitless potential of AI**, guest panelist during Ahmedabad AI Summit at iHub, organised by Knowledge Chamber of Commerce and Industry, on 26 April 2024.

FDP / STTP / Symposium Coordinated

1. A National level Short Term Traning Program (STTP) on *"Cyber Security for Industry 4.0"*, at Gujarat Technological University - Graduate School of Engineereing and Technology, under Information Security Education and Awareness (ISEA), Ministry of Electronics and Information Technology (MeitY), Govt of India, Project Grant Phase II, from December 20, 2021 to December 24, 2021.

2. A National level Symposium on *"Data Analytics, Machine Learning, and Artificial Intelligence (DAMLAI) 2024"*, jointly organised by Gujarat Technological University, Ahmedabad, and Indian Statistical Institute (ISI), Kolkata, from March 21-23, 2024.

3. A National level Summit on *"Technology Transfer Summit 2024"*, organised by Gujarat Technological University, Ahmedabad, on April 19, 2024.

AWARD & APPRECIATIONS

- **Certificate of Merit** at Secondary and Senior Secondary Level.
- Institute **Gold Medal** at Bachelor of Technology (B.Tech) with Honors, Year 2005.
- **Certificate of Excellence** at Master of Technology (M.Tech), Year 2010.
- **Certificate of Recognition** by Infosys Technologies for Campus Connect Program at Campus, Year 2011.
- Nominated for **Young Scientist Award** during 14th Punjab Science Congress, 2011.
- **Travel Fellowship Award** – Centre for International Co-operation in Science (CICS), Chennai, 2016.
- **Certificate of Gratitude** by Dewang Mehta Foundation Trust as Jury Member for Dewang Mehta IT Awards, 2022.
- **Letter of Acknowledgement** by Edunet Foundation as Expert Jury Member for state-level Innovation Marathon, 2023.
- **Certificate of Appreciation along with financial reward of Ten thousand rupee(s)** on 16th Foundation Day of Gujarat Technological University, by Prof. T. G. Sitharam, Chairmain AICTE on 16th May 2023.
- **Certificate of Gratitude** by Dewang Mehta Foundation Trust as Jury Member for Dewang Mehta IT Awards, 2023.
- **Certificate of Appreciation** for contribution to The Inventor Challenge 2023 jointly organized by AICTE, New Delhi in association with Arm Education and ST Microelectronics, from July-Oct 2023.
- **Certificate of Appreciation** for contribution to The Inventor Challenge 2023 jointly organized by AICTE, New Delhi in association with Arm Education and ST Microelectronics, from July-Oct 2023.

REVIEWER

- IEEE Communications Magazine, IEEE.
- Knowledge-based Systems, Elsevier.
- Journal of King Saud University Science, Elsevier.
- Ad Hoc Networks, Elsevier.
- ICT Express,Elsevier.
- Heliyon, Cell Press.
- Cluster Computing, Springer.
- Cybernetics and Systems, Taylor & Francis.

MEMBERSHIPS

- Member -ACM (2873299)
- Member-International Association of Engineers (IAENG) (106511)
- Member-Computer Society of India (CSI) (F8002246)
- Life Member- ISTE (LM-111737)
- Life Member- Punjab Academy of Sciences (L-741)

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