

Mahipal Prithvisinh Jadeja

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[YouTube CS Simplified](#)

[LinkedIn](#)



RESEARCH AND APPLIED AI INTERESTS

Theoretical Computer Science, Graph Theory and Algorithms, Social Network Analysis, Machine Learning on Graphs, Graph Neural Networks, Natural Language Processing, Generative AI, Prompt Engineering, Custom GPTs, Agentic AI, Retrieval Augmented Generation, AI Assisted Research and Productivity Workflows, Private LLMs, and AI Enabled Digital Transformation.

EDUCATION

- **Dhirubhai Ambani Institute of Information and Communication Technology** Gandhinagar, INDIA
PhD, Computer Science and Engineering (CSE), Coursework CPI: 9.25/10.00 January 2013 to February 2018
- **CSPIT, Changa (University: Gujarat Technological University)** Changa, INDIA
B.E. Computer Engineering (CE), CPI: 7.48/10.00 July 2008 to June 2012

EXPERIENCE

- **Malaviya National Institute of Technology (MNIT) Jaipur** Jaipur, Rajasthan
Assistant Professor, Department of Computer Science and Engineering March 2019 to Present
 - **Scope of Work:** Teaching and Research Work
- **Adani Institute of Infrastructure Engineering (AIIE)** Ahmedabad, Gujarat
Assistant Professor, Department of Information and Communication Technology December 2017 to February 2019
 - **Scope of Work:** Teaching and Research Work
- **K J Campus, Savli** Savli, Gujarat
Assistant Professor, Department of Computer Engineering July 2012 to November 2012
 - **Scope of Work:** Teaching

ACADEMIC TEACHING PORTFOLIO

Advanced Data Structures and Algorithms, Computer Science and Programming, Database Management Systems (DBMS), Discrete Mathematics, Logic in Computing, Python Programming, Natural Language Processing and Social Network Analysis.

SPEAKER PROFILE SNAPSHOT

- **Invited Talks and Outreach Impact:** Delivered **165+** invited talks, keynotes, Faculty Development Program sessions, expert lectures, corporate workshops, and academic training sessions, contributing to the AI literacy and professional upskilling of an estimated **15,000+** individuals.
- **Major Themes:** Generative AI in Education, Prompt Engineering, Custom GPTs, Agentic AI, AI for Research, Graph Neural Networks, Social Network Analysis, Local and Private LLMs, Corporate Productivity, Workplace Automation, Executive Decision Support, AI Assisted Productivity, Python Automation, and Excel based Data Workflows.
- **Audience Types:** Faculty members, researchers, PhD scholars, undergraduate and postgraduate students, industry professionals, government officers, and academic leaders.
- **Representative Institutions and Platforms:** MIT (USA), IIT Kanpur, IIT Guwahati, EICT Academies, UGC Malaviya Mission Teacher Training Centres, NITTTR Chandigarh, IOCL, Indian Army, South Asian University, SVNIT Surat, IEEE Gujarat Section, and several reputed universities and institutes of national importance.

- **Speaker Positioning:** Bridges rigorous Computer Science, Generative AI, Graph Neural Networks, and practical AI literacy to help institutions and organisations move from AI awareness to responsible, practical, and high impact AI adoption.

ONLINE TEACHING

- **Massive Open Online Course (MOOC) on [Python Programming](#)**
 - Successfully designed and delivered a comprehensive Python programming course, attracting over **1800** learners to date.
 - Achieved an outstanding average rating of **4.8/5**, reflecting the high quality of instruction and learner satisfaction.
- **YouTube Channel: [CS Simplified](#)**
 - Uploaded more than **150** academic videos related to computer science and online teaching tips.
 - Successfully cultivated a dedicated audience of **3.3K** subscribers, amassing over **4 lakh** views as of **3rd July 2026**.
 - Consistently maintained an exceptional average positive engagement ratio (likes to dislikes) of **97.6%**, demonstrating strong viewer engagement and content approval.
- **A Hindi Centric GPT for Python Programming, First of its Kind in India: [Python Ki Pathshala](#)**
 - Designed and developed Python Ki Pathshala GPT, an AI powered educational assistant that dynamically generates **personalized examples, real world applications, and engaging stories** to make Python learning intuitive.
 - Supports learning in **Hindi, English, and Hinglish**, breaking language barriers in Python education.
 - As of **3rd July 2026**, facilitated over **1000+** personalized learning conversations, making Python accessible and interactive for diverse learners.

RECOGNITIONS & COLLABORATIONS

- **ChatGPT for Education Newsletter (OpenAI, USA):** Featured among only seven global educators, including Dr. Luke Hobson (Assistant Director, Instructional Design, MIT), for the design and development of Python Ki Pathshala. [\[Read More\]](#)
- **ChatGPT for Education Newsletter (OpenAI, USA), Official Featured Interview:** Featured in an interview discussing the design, motivation, and educational impact of *Python Ki Pathshala*, with emphasis on personalized programming education, multilingual learning support, storytelling based explanations, and inclusive AI assisted pedagogy. [\[Read Interview\]](#)
- **OpenAI Academy (OpenAI, USA):** Featured among a select group of 100 faculty worldwide in the Professors Teaching with AI global series, highlighting educators reimagining teaching and learning with generative AI. [\[Watch Video\]](#)
- **University of Oxford (QS World Rank #3, AIEOU):** Author of “Code or Clicks? Reassessing Programming Skills in an AI driven World” and collaborator with the AIEOU Interdisciplinary Research Hub, fostering research informed, ethical and human centered approaches to AI in education. [\[Read Blog\]](#)
- **MIT, Cambridge USA (QS World Rank #1):** Invited talk “AI powered Education: Enhancing Learning, Collaboration, and Research with Humata AI” delivered to a global academic audience. [\[Watch Video\]](#)
- **Featured Interview (CriticKid Platform):** Invited discussion on machine learning concepts and prompt engineering. [\[Read Interview\]](#)

SOFTWARE TOOLS AND DIGITAL INNOVATIONS

- **Google Drive File Picker (ChatGPT Compatible), Chrome Extension: [Chrome Web Store Link](#)**
 - Developed a Chrome extension enabling seamless browsing and attachment of Google Drive files within web based interfaces.
 - Supports PDFs, Office files, images, and Google Docs ecosystem, enhancing AI assisted productivity workflows.

JOURNAL PUBLICATIONS

1. P. S. Thakur, **M. Jadeja**, S. S. Chouhan and S. S. Rathore, “COSTAR: Software Code Smell Detection through Tree-based Abstract Representation”, IEEE Transactions on Reliability (IEEE), 2026. [DOI](#)
2. S. Rohilla, **M. Jadeja**, E. Pilli, P. Vyas and P. Gehlot, “CC GCN: A novel Graph based approach for Identification and Detection of Autism Spectrum Disorder”, Multimedia Tools and Applications (Springer), 2024. [DOI](#)
3. P. Thakur, S. Chouhan and **M. Jadeja**, “Enhancing Software Code Smell Detection with Modified Cost Sensitive SVM”, International Journal of System Assurance Engineering and Management (Springer), 2024. [DOI](#)
4. R. Saxena, P. Paira and **M. Jadeja**, “CLUS BET: Improving Influence Propagation and Classification in Networks using a Novel Seed Selection Technique”, Social Network Analysis and Mining (Springer), 2024. [DOI](#)
5. A. Verma, **M. Jadeja** and S. Jayaswal, “RW HeCo: A Random Walk and Network Centrality based Graph Neural Network for Community Detection in Heterogeneous Networks”, Multimedia Tools and Applications (Springer), 2024. [DOI](#)
6. N. Garg, S. Garg, **M. Jadeja**, Y. Meena, D. Gopalani and G. Chauhan, “A novel dominating set and centrality based graph convolutional network for node classification”, Multimedia Tools and Applications (Springer), 2024. [DOI](#)
7. **M. Jadeja**, R. Muthu and R. Goyal, “A New Characterisation of Total Graphs”, Palestine Journal of Mathematics (PJM), 2024. [DOI](#)
8. P. Thakur, S. Chouhan and **M. Jadeja**, “CBReT: A Cluster Based Resampling Technique for Dealing with Imbalanced Data in Code Smell Prediction”, Knowledge Based Systems (Elsevier), Volume 286, 2024. [DOI](#)
9. R. Saxena, S. Patil, A. Verma, **M. Jadeja**, P. Vyas, V. Bhateja, and J. Chun Wei Lin, “An Efficient Bet GCN Approach for Link Prediction”, International Journal of Interactive Multimedia and Artificial Intelligence (IJIMAI), Volume 8(1), 38 to 52, 2023. [DOI](#)
10. A. Verma, R. Saxena, **M. Jadeja**, V. Bhateja and J. Chun Wei Lin, “Bet GAT: An Efficient Centrality based Graph Attention Model for Semi Supervised Node Classification”, Applied Sciences (MDPI), Volume 13, 2023. [DOI](#)
11. A. Verma and **M. Jadeja**, “CB SAGE: A novel centrality based graph neural network for floor plan classification”, Engineering Applications of Artificial Intelligence (Elsevier), Volume 126, 2023. [DOI](#)
12. R. Saxena, **M. Jadeja** and V. Bhateja, “Propagation analysis of COVID 19: An SIR model based investigation of the pandemic”, Arabian Journal for Science and Engineering, Volume 48, 2023. [DOI](#)
13. **M. Jadeja**, R. Muthu and V. Sunitha, “Set Labelling Vertices To Ensure Adjacency Coincides With Disjointness”, Electronic Notes in Discrete Mathematics, Volume 63, 237 to 244, December 2017. [DOI](#)
14. **M. Jadeja** and R. Muthu, “Uniform Set Labelling Vertices To Ensure Adjacency Coincides With Disjointness”, Journal of Mathematical and Computational Science, Volume 7(3), 537 to 553, May 2017. [DOI](#)
15. **M. Jadeja** and R. Muthu, “Labeled Object Treemap: A New Graph Labeling Based Technique for Visualizing Multiple Hierarchies”, Annals of Pure and Applied Mathematics, Volume 13(1), 49 to 62, January 2017. Also appeared in Proceedings of The 19th Japan Korea Joint Workshop on Algorithms and Computation (WAAC 2016). [DOI](#)

CONFERENCE PUBLICATIONS

1. S. Rohilla, P. Shukla, **M. Jadeja** and E. S. Pilli, “DSCC-GCN: A Dominating-Set and Coefficient-Guided Framework for Autism Spectrum Disorder Identification and Detection”, IEEE International Symposium on Smart Electronic Systems (iSES), IEEE, MNIT Jaipur, Jaipur, India, 2025.

2. S. Rohilla, **M. Jadeja** and E. S. Pilli, "Investigation of Brain Network Sparsification Techniques and Their Impact on Network Topology", 4th IEEE International Conference on Technology, Engineering, Management for Societal Impact using Marketing, Entrepreneurship and Talent (TEMSMET), IEEE, NIT Delhi, New Delhi, India, 2025.
3. R. Saxena and **M. Jadeja**, "Analysing Shifts in Perceptions of Indians During COVID 19 Pandemic by Mining Tweets", 3rd International Conference on Intelligent Communication and Computational Techniques, IEEE, Jaipur, India, 2023.
4. A. Verma and **M. Jadeja**, "An Efficient Centrality Based GNN for Community Detection in Dynamic Networks", 4th International Conference on SMART SYSTEMS: INNOVATIONS in COMPUTING, Springer, Manipal University Jaipur, India, 2023.
5. R. Saxena, **M. Jadeja** and Pranshu Vyas, "An Efficient Influence Maximization Technique Based on Betweenness Centrality Measure and Clustering Coefficient", 15th International Conference on Computer and Automation Engineering, IEEE, Sydney, Australia, 2023.
6. P. Thakur, **M. Jadeja**, S. Chouhan, "Text Augmentation Based Imbalance Learning for Unstructured Text Data", 4th International Conference on Cybernetics, Cognition and Machine Learning Applications, IEEE, Goa, 2022.
7. **M. Jadeja** and G. Kabra, "Style Transfer for Videos With Audio", PCCDS 2020, Springer Singapore, 607 to 617, 2020.
8. R. Saxena, **M. Jadeja** and A. Verma, "Efficient Information Flow Based on Graphical Network Characteristics", PCCDS 2020, Springer Singapore, 515 to 526, 2020.
9. A. Verma, **M. Jadeja** and R. Saxena, "Network Structural Analysis Based on Graphical Measures and Metrics", ICT4SD 2020, Springer, 147 to 156, 2020.
10. **M. Jadeja** and R. Muthu, "Edgeless Graph: A New Graph Based Information Visualization Technique", International Conference on Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy, Springer, 2020.
11. **M. Jadeja**, H. Kanakia and R. Muthu, "Interactive Labeled Object Treemap: Visualization Tool for Multiple Hierarchies", FICTA 2020, Springer, 499 to 508, 2020.
12. **M. Jadeja** and N. Varia, "Perspectives for Evaluating Conversational AI", SCAI 2017 at ACM ICTIR, Amsterdam, Netherlands, 2017.
13. **M. Jadeja**, N. Varia and A. Shah, "Deep Reinforcement Learning for Conversational AI", SCAI 2017 at ACM ICTIR, Amsterdam, Netherlands, 2017.
14. R. Goyal, **M. Jadeja**, R. Muthu and B. Patel, "A New Characterisation of Total Graphs", WAAC 2016, Hakodate, Japan, 2016.
15. **M. Jadeja** and K. Shah, "Tree Map: A Visualization Tool for Large Data", GSB 2015 at ACM SIGIR, Santiago, Chile, 9 to 13, 2015.

BOOKS

1. Reference Book, "Exploring Susceptible Infectious Recovered (SIR) Model for COVID 19 Investigation", ISBN 978 981 19 4175 7, Springer Singapore, 2022, authors R. Saxena, **M. Jadeja**, and V. Bhateja.

BOOK CHAPTERS

1. S. Rohilla, **M. Jadeja**, and E. S. Pilli, "Do More with Less: Deep Learning in Medical Imaging", In Convolutional Neural Networks for Medical Image Processing Applications, Taylor & Francis, 2022.
2. R. Saxena and **M. Jadeja**, "Network Centrality Measures: Role and Importance in Social Networks", In Principles of Social Networking, 29 to 54, Springer, Singapore, 2021.
3. A. Verma and **M. Jadeja**, "Temporal Network Motifs: Structure, Roles, Computational Issues, and Its Applications", In Principles of Social Networking, 55 to 70, Springer, Singapore, 2022.

4. T. Rawka and **M. Jadeja**, “A Survey on Graph Neural Network Based Video Recommendation System”, In Deep Learning for Social Media Data Analytics, Springer, 2022.
5. R. Joshi and **M. Jadeja**, “The Synergy of Clinical Psychology and Affective Computing: Advancements in Emotion Recognition and Therapy”, Springer, 2024.

PHD RESEARCH SUPERVISED

Awarded

1. Atul Kumar Verma on **Navigating Real World Networks: Centrality Infused Graph Neural Network Paradigms** Year: 2023.
2. Rahul Saxena on **Novel Techniques to Enhance Influence in Social Networks** Year: 2023.
3. Praveen Singh Thakur on **Software Code Smell Detection in an Imbalanced Environment** Year: 2024.
4. Shivani Rohilla on **Detecting Autism Spectrum Disorder using Deep Learning** Year: 2026.

Ongoing

1. Neeraj Garg on **Natural Language Processing using Graph Neural Networks**.

PG RESEARCH SUPERVISED

1. Anshuman Yadav on **User Preference Based Fake News Detection** Year: 2024 to 2025.
2. Simran Setia on **CCBiT GAT: Closeness centrality Bidirectional Temporal Graph Attention Network for Traffic Forecasting** Year: 2024 to 2025.
3. Rahul Shah on **Enhancing Cancer Prediction Using a Hybrid GGAT GCN Network** Year: 2024 to 2025.
4. Ayush Sharma on **DrainMap: A PnP Optimization Technique for Hybrid Processors** Year: 2023 to 2024.
5. Sneha Prajapati on **Influence Maximization in Social Networks** Year: 2023 to 2024.
6. Sunny Raj on **Community Detection in Overlapping Networks** Year: 2023 to 2024.
7. Toshi Rawka on **Sentiment Analysis for Movie Reviews using Graph Convolution Network** Year: 2022 to 2023.
8. Vinodkumar Shirguri on **Influence Maximization in Social Networks using Graph Attention Networks and Different Centrality Measures** Year: 2022 to 2023.
9. Saurabh Jayaswal on **Community Detection in Heterogeneous Networks** Year: 2022 to 2023.
10. Kuldeep on **Fake News Detection in Social Network using BiLSTM** Year: 2021 to 2022.
11. Mohan Singh on **Community Detection in Social Network** Year: 2021 to 2022.
12. Rajesh Biswas on **Detection of Hateful Users on Twitter** Year: 2021 to 2022.

EXPERT TALKS

1. **Building Custom GPTs for Education and Productivity**, FDP on Generative AI Tools for Research and Innovation, Lakireddy Bali Reddy College of Engineering, Andhra Pradesh, Jun 2026.
2. **Research Data Analysis Using Excel, Python, and Generative AI**, Short Term Programme on Research Methodology in Social Sciences and Sciences, UGC Malaviya Mission Teacher Training Center, RTM Nagpur University, Jun 2026.
3. **AI Tools for Grant Proposals, Conference Abstracts & Industry Projects**, FDP on Prompt Engineering for Educators, EICT Academy, IIT Kanpur, Jun 2026.

4. **Lesson Planning, Learning Objectives & Lecture Content**, FDP on Prompt Engineering for Educators, EICT Academy, IIT Kanpur, Jun 2026.
5. **AI Tools for Slide Decks, Visuals and Course Materials**, FDP on Prompt Engineering for Educators, EICT Academy, IIT Kanpur, Jun 2026.
6. **Complete AI Tools Ecosystem for Educators**, FDP on Prompt Engineering for Educators, EICT Academy, IIT Kanpur, Jun 2026.
7. **Design an AI Enhanced Teaching Module**, FDP on Prompt Engineering for Educators, EICT Academy, IIT Kanpur, Jun 2026.
8. **Design and Deployment of Capstone AI Project**, FDP on Prompt Engineering for Educators, EICT Academy, IIT Kanpur, Jun 2026.
9. **Interactive Teaching Tools and AI Integration in Faculty Development Programme on Technology-Enabled Teaching and Smart Classroom: A Hands-On FDP** at Poornima University, Jaipur (June 2026)
10. **Personalized Learning with LLMs: From Lesson Planning to Adaptive Assessment in FDP on Prompting with Purpose: Designing Effective Instructions for LLM in Teaching, Research and Assessment** at Indus University, Ahmedabad (June 2026)
11. **AI Driven Pedagogy for the NEP Era: Prompt Engineering, Custom GPTs, and Personalized Learning in NEP Orientation and Sensitisation Programme** at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (May 2026)
12. **AI Driven Research under NEP: NotebookLM, Custom GPTs, and Intelligent Research Workflows in NEP Orientation and Sensitisation Programme** at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (May 2026)
13. **Learning on Networks: From Convolutional Neural Networks to Graph Neural Networks in Faculty Development Program on Social Network Analysis** at South Asian University, Delhi (May 2026)
14. **Learning on Networks: From Convolutional Neural Networks to Graph Neural Networks (Hands on) in Faculty Development Program on Social Network Analysis** at South Asian University, Delhi (May 2026)
15. **PageRank and Network Influence Analysis in Faculty Development Program on Social Network Analysis** at South Asian University, Delhi (May 2026)
16. **Decoding Generative AI: Understanding the Technology Transforming Education in Refresher Course in Artificial Intelligence Tools in Teaching and Learning** at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (May 2026)
17. **Prompt Engineering and Custom GPTs for Smarter Teaching and Learning in Refresher Course in Artificial Intelligence Tools in Teaching and Learning** at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (May 2026)
18. **Personal AI for Educators: NotebookLM, Offline LLMs, and Knowledge Management in Refresher Course in Artificial Intelligence Tools in Teaching and Learning** at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (May 2026)
19. **Reimagining Academic Research with AI: Tools, Workflows, and Best Practices in Refresher Course in Artificial Intelligence Tools in Teaching and Learning** at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (May 2026)
20. **Private AI or False Sense of Security: Rethinking Cybersecurity in the Era of Offline LLMs in Cybersecurity Intelligence & Ethical Hacking Practices** organized by EICT Academy IIT Kanpur (May 2026)

21. Keynote on **Rethinking Data Science Workflows with Generative AI and LLMs** in 6th International Conference on Data Science & Engineering Applications (DSEA-2026) at Global Institute of Technology, Jaipur (Apr 2026)
22. **Designing Generative AI Workflows for Teaching and Research** in CI2A IEEE International Conference at Akal University, Talwandi Sabo (Apr 2026)
23. **Mastering AI for Academic Excellence: Prompt Crafting, Custom GPTs and Next-Gen Learning Strategies** in Technical Seminar for CSE (Cybersecurity) Department at Thakur College of Engineering & Technology, Mumbai (Apr 2026)
24. **The Grammar of Intelligence: Prompt Engineering and Custom GPTs as Force Multipliers** in Gyan Shakti Think Tank Seminar at Sapta Shakti Command (Indian Army), Jaipur (Mar 2026)
25. **Prompt Engineering for Scientific Writing: Designing Structured and High-Quality Research Outputs** in FDP on Tools for Authoring and Reviewing Manuscripts at E&ICT Academy MNIT Jaipur (Mar 2026)
26. **AI-Driven Research Workflows: Leveraging Custom GPTs for End-to-End Scientific Exploration** in FDP on Tools for Authoring and Reviewing Manuscripts at E&ICT Academy MNIT Jaipur (Mar 2026)
27. **Identifying Research Gaps and Emerging Directions Using AI-Assisted Analytical Techniques** in FDP on Tools for Authoring and Reviewing Manuscripts at E&ICT Academy MNIT Jaipur (Mar 2026)
28. **Multimodal Research Communication: Generating Text, Audio, and Video Summaries using AI** in FDP on Tools for Authoring and Reviewing Manuscripts at E&ICT Academy MNIT Jaipur (Mar 2026)
29. **ChatGPT Parameter Tuning and Workflow Automation with Google Sheets** in FDP on Tools for Authoring and Reviewing Manuscripts at E&ICT Academy MNIT Jaipur (Mar 2026)
30. **Designing Custom AI Assistants for Everyday Productivity** in Webinar Series on AI and Python Automation for Digital Transformation at Indian Oil Corporation Limited (IOCL) Refineries Headquarters, Delhi (Feb 2026)
31. **Excel and Operational Data Automation Using Python** in Webinar Series on AI and Python Automation for Digital Transformation at Indian Oil Corporation Limited (IOCL) Refineries Headquarters, Delhi (Feb 2026)
32. **Creating Personal and Professional Web Pages for Industrial Presence** in Webinar Series on AI and Python Automation for Digital Transformation at Indian Oil Corporation Limited (IOCL) Refineries Headquarters, Delhi (Feb 2026)
33. **Industrial KPI Dashboards and Executive Reporting Using Python** in Webinar Series on AI and Python Automation for Digital Transformation at Indian Oil Corporation Limited (IOCL) Refineries Headquarters, Delhi (Feb 2026)
34. **AI-Driven Transformation in Oil and Energy Operations Using Python** in Webinar Series on AI and Python Automation for Digital Transformation at Indian Oil Corporation Limited (IOCL) Refineries Headquarters, Delhi (Feb 2026)
35. **Prompt Engineering and Custom GPTs in Large Language Model Based AI Systems** in STTP on Exploring the Future of AI with Large Language Models at Government Engineering College, Rajkot (Feb 2026)
36. **Designing Custom GPTs for NEP 2020: Personalised, Multilingual, and Outcome Driven Teaching** in NEP Orientation and Sensitisation Programme at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Feb 2026)
37. **AI Powered Personalisation for Faculty: Transforming Notes into Podcasts, Videos, and Intelligent Reports** in NEP Orientation and Sensitisation Programme at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Feb 2026)

38. **From AI to Generative AI: Prompt Engineering for Educators** in Artificial Intelligence Tools for Pedagogical Enhancement in Higher Education at Directorate of Higher Education, Govt of Goa, Panaji, Goa (Jan 2026)
39. **Building and Publishing Custom GPT for Teaching Assessment and Feedback** in Artificial Intelligence Tools for Pedagogical Enhancement in Higher Education at Directorate of Higher Education, Govt of Goa, Panaji, Goa (Jan 2026)
40. **AI Assisted Teaching Workflows: From Lecture Planning to Gamified Assessment** in Artificial Intelligence Tools for Pedagogical Enhancement in Higher Education at Directorate of Higher Education, Govt of Goa, Panaji, Goa (Jan 2026)
41. **Design Studio: Creating AI Powered Lesson Plans, Quizzes, and Gamified Learning Modules** in Artificial Intelligence Tools for Pedagogical Enhancement in Higher Education at Directorate of Higher Education, Govt of Goa, Panaji, Goa (Jan 2026)
42. **Generating Content for Personalized Learning: AI Assisted Learning with NotebookLM** in Artificial Intelligence Tools for Pedagogical Enhancement in Higher Education at Directorate of Higher Education, Govt of Goa, Panaji, Goa (Jan 2026)
43. **Vibe Coding for Educators** in Artificial Intelligence Tools for Pedagogical Enhancement in Higher Education at Directorate of Higher Education, Govt of Goa, Panaji, Goa (Jan 2026)
44. **Graph Machine Learning: From Theory to Practical Applications** in STC on Social Networks Analysis and Visualization at National Institute of Technical Teachers Training and Research, Chandigarh (Jan 2026)
45. **The Grammar of Intelligent Instruction: Advanced Prompt Engineering and Custom GPT Architectures for Education** in Refresher Course in Artificial Intelligence Tools in Teaching and Learning at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Jan 2026)
46. **AI Driven Curriculum Innovation: Designing Adaptive Content and Intelligent Learning Experiences** in Refresher Course in Artificial Intelligence Tools in Teaching and Learning at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Jan 2026)
47. **Transforming Classroom Dynamics with AI: Strategies for Interactive and Participatory Learning** in Refresher Course in Artificial Intelligence Tools in Teaching and Learning at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Jan 2026)
48. **AI Augmented Research Workflows: From Conceptualization to Scholarly Publication** in Refresher Course in Artificial Intelligence Tools in Teaching and Learning at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Jan 2026)
49. **AI Driven Pedagogical Practices for NEP Aligned Classrooms** in NEP Orientation and Sensitisation Programme at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Jan 2026)
50. **Building AI Driven Research Ecosystems for NEP Aligned Academic Excellence** in NEP Orientation and Sensitisation Programme at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Jan 2026)
51. **Generative Reasoning: How Prompt Engineering Shapes Innovation in the Age of AI** in International Workshop on Application of GenAI in Design Thinking, Critical Thinking and Innovation at UEM Jaipur (Dec 2025)
52. **AI in Teaching for the NEP Era** in NEP Orientation and Sensitisation Programme at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Dec 2025)
53. **AI Driven Research under NEP** in NEP Orientation and Sensitisation Programme at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Dec 2025)
54. **Reimagining the Research Process: A Hands on Introduction to Advanced AI Tools** in Invited Research Talk for Doctoral Scholars at JRN Rajasthan Vidyapeeth University, Udaipur, Rajasthan (Dec 2025)

55. **Prompt Engineering: How to Use Open Source LLM Model for Audit Work** in Invited Expert Lecture under a Capacity Building Training Program at Indian Audit & Accounts Department, Regional Capacity Building & Knowledge Institute Jaipur (Dec 2025)
56. **Prompt Engineering as the Missing Layer in Transformer Based AI** in Five Day Workshop on Next Gen AI: Transformers and Reinforcement Learning Synergy (Organised by Department of Electrical Engineering, Raman Lab) at MNIT Jaipur (Dec 2025)
57. **Research Reinvented: Applying AI Tools to Draft, Refine, and Reference Scholarly Work** in FDP on Redefining Teaching through AI, LMS and Digital Pedagogies at MNIT Jaipur (Organized by E&ICT Academy MNIT Jaipur) (Nov 2025)
58. **Automating Academic Workflows with Google Sheets and App Script** in FDP on Redefining Teaching through AI, LMS and Digital Pedagogies at MNIT Jaipur (Organized by E&ICT Academy MNIT Jaipur) (Nov 2025)
59. **Integrated Python Environments: Exploring the Functionalities of Google Colab and Visual Studio Code** in FDP on Advance Programming using Python at MNIT Jaipur (Organized by E&ICT Academy MNIT Jaipur) (Nov 2025)
60. **Research Workflow Automation using AI Tools and App Scripts** in STC on Open Source Tools for Research at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh (Nov 2025)
61. **Next Generation Research Practice with AI Powered Automation** in FDP on Research and Publication Ethics at Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur (Nov 2025)
62. **Recursion and File Management in Python** in FDP on Advance Programming using Python at MNIT Jaipur (Organized by E&ICT Academy MNIT Jaipur) (Nov 2025)
63. **Exploratory Data Analysis** in FDP on Advance Programming using Python at MNIT Jaipur (Organized by E&ICT Academy MNIT Jaipur) (Nov 2025)
64. **The Craft of Prompt Engineering: Designing Precise and Reliable Interactions with AI Models** in FDP on Advance Programming using Python at MNIT Jaipur (Organized by E&ICT Academy MNIT Jaipur) (Nov 2025)
65. **Applied AI Tools for Daily Life, Communication, and Creativity** in DST sponsored training on Advanced Information and Communication Technology (ICT) awareness and its usage at Manipal University, Jaipur (Nov 2025)
66. **AI Empowered Pedagogy for NEP Ready Classrooms** in NEP Orientation and Sensitisation Programme at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Nov 2025)
67. **AI Augmented Research Ecosystems for NEP Focused Academic Innovation** in NEP Orientation and Sensitisation Programme at UGC Malaviya Mission Teacher Training Center, RTM Nagpur University (Nov 2025)
68. Keynote on **Creative Intelligence at Work: AI Skills for the Modern Corporate Communicator** in RefineComm 2025: Refining Skills, Powering Communication at Indian Oil Corporation Limited (IOCL) Refineries Headquarters, Delhi (Oct 2025)
69. **Generative AI for Automated Data Science Workflows with Python** in STC on Data Science and Machine Learning using Python at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh (Oct 2025)
70. **The Art and Science of Prompt Engineering: Designing Effective Interactions for Teaching, Assessment, and Feedback** in FDP on Redefining Teaching through AI, LMS and Digital Pedagogies at MNIT Jaipur (Organized by E&ICT Academy MNIT Jaipur) (Oct 2025)
71. **AI for Curriculum Design and Interactive Learning: Custom GPTs for Smarter Content and Smarter Class** in FDP on Redefining Teaching through AI, LMS and Digital Pedagogies at MNIT Jaipur (Organized by E&ICT Academy MNIT Jaipur) (Oct 2025)

72. **Prompt Engineering and Custom GPTs: Ethical Pathways to Knowledge Discovery** in FDP on Ethical AI for Knowledge Discovery at MNIT Jaipur (Organized by E& ICT Academy MNIT Jaipur) (Sep 2025)
73. **From Draft to Publication: Elevating Research with AI Tools** in Refresher Course in Artificial Intelligence tools in Teaching and learning at Online (organised by UGC Malaviya Mission Teacher Training Center, RTM Nagpur University) (Sep 2025)
74. **Engaging Classrooms with AI: Tools for Student Interaction and Active Participation** in Refresher Course in Artificial Intelligence tools in Teaching and learning at Online (organised by UGC Malaviya Mission Teacher Training Center, RTM Nagpur University) (Sep 2025)
75. **AI for Curriculum Design and Interactive Learning: Smarter Content, Smarter Classrooms** in Refresher Course in Artificial Intelligence tools in Teaching and learning at Online (organised by UGC Malaviya Mission Teacher Training Center, RTM Nagpur University) (Sep 2025)
76. **Prompt Engineering for Education: Crafting Effective Prompts and Custom GPTs for Faculty** in Refresher Course in Artificial Intelligence tools in Teaching and learning at Online (organised by UGC Malaviya Mission Teacher Training Center, RTM Nagpur University) (Sep 2025)
77. **AI assisted Content Creation: Using AI for Lecture Notes, Presentations, Curriculum and Study Materials** in Two Week Training cum Workshop on Empowering Management Education and Research through Generative AI and Statistical Insights at Online (organised by MathTech Thinking Foundation) (Sep 2025)
78. **Hands on: Using AI tools to structure research papers, generate abstracts, summarize results, and format citations** in FDP on AI in Teaching and Learning at Online (Organized by E& ICT Academies at IIT Guwahati, IIT Kanpur, NIT Patna, MNIT Jaipur and IIITDM Jabalpur) (Aug 2025)
79. **AI Tools for Research Writing & Editing** in FDP on AI in Teaching and Learning at Online (Organized by E& ICT Academies at IIT Guwahati, IIT Kanpur, NIT Patna, MNIT Jaipur and IIITDM Jabalpur) (Aug 2025)
80. **AI for Student Engagement and Interaction Tools** in FDP on AI in Teaching and Learning at Online (Organized by E& ICT Academies at IIT Guwahati, IIT Kanpur, NIT Patna, MNIT Jaipur and IIITDM Jabalpur) (Aug 2025)
81. **AI for Curriculum Design and Update, Interactive Reading Tools** in FDP on AI in Teaching and Learning at Online (Organized by E& ICT Academies at IIT Guwahati, IIT Kanpur, NIT Patna, MNIT Jaipur and IIITDM Jabalpur) (Aug 2025)
82. **Supercharging Research with Generative AI** in FDP on Natural Language Processing (NLP) and its applications in Generative AI at Medicaps University, Indore (Aug 2025)
83. **Decoding Transformers and LLMs** in FDP on Natural Language Processing (NLP) and its applications in Generative AI at Medicaps University, Indore (Aug 2025)
84. **From Concepts to Classroom Bots: Implementing Prompts, Deep Models, and Custom GPTs** in FDP on Natural Language Processing (NLP) and its applications in Generative AI at Medicaps University, Indore (Aug 2025)
85. **AI to Generative AI: Foundational Concepts** in FDP on Natural Language Processing (NLP) and its applications in Generative AI at Medicaps University, Indore (Aug 2025)
86. **NLP and Generative AI Advances: What is in it for Educators** in FDP on Natural Language Processing (NLP) and its applications in Generative AI at Medicaps University, Indore (Aug 2025)
87. Keynote on **Engineering Intelligence: Prompt Design and Custom GPTs for Industry 4.0 Workflows** in Emerging Research Trends in Engineering (ERTE 2025) (Organised by IEEE Gujarat Section) at Kadi Sarva Vishwavidyalaya, Gandhinagar (Jul 2025)
88. **Mastering AI for Academic Excellence: Prompt Crafting, Custom GPTs, and Next Gen Learning Strategies** in Expert talk for 3rd Semester BTech (CSE) Students at Marwadi University, Rajkot (Jul 2025)

89. **Custom GPTs for Secure AI: Defensive Prompting and Aligned Agent Design** in STC on Cybersecurity Practices and Applications in the Age of Generative AI at Online (Organised by ABV Indian Institute of Information Technology and Management Gwalior) (Jul 2025)
90. Keynote on **AI Driven Classrooms: Revolutionizing Assessment and Engagement** in International Workshop on The Impact of Generative AI in STEM: Redefining Research and Professional Practice at Online (Organised by Central University of Punjab and MathTech Thinking Foundation) (Jul 2025)
91. **Introduction to Excel: Purpose and Everyday Applications** in DST Sponsored Training on Advanced Information and Communication Technology (ICT) Awareness and its Usage at Mahatma Gandhi Govt. School, Begas (Jul 2025)
92. **Inside Graph Neural Networks: Architectures and Implementation** in Faculty Development Program on Deep Learning at Online (Organised by E& ICT Academy MNIT Jaipur) (Jul 2025)
93. **GNN Foundations: Purpose, Power, and Real World Impact** in Faculty Development Program on Deep Learning at Online (Organised by E& ICT Academy MNIT Jaipur) (June 2025)
94. **Practical Use Cases of Generative AI** in GIAN Course on Introduction to Generative AI Models at MNIT Jaipur (June 2025)
95. **Machine Learning using Graph: Practical Implementation Session** in FDP on Real Time Applications using Machine Learning and Artificial Intelligence at Online (organized by EICT academy IIT Roorkee and Poornima College of Engineering Jaipur) (Apr 2025)
96. **Machine Learning using Graph** in FDP on Real Time Applications using Machine Learning and Artificial Intelligence at Online (organized by EICT academy IIT Roorkee and Poornima College of Engineering Jaipur) (Apr 2025)
97. **Graph Powered Business Intelligence: Centrality Measures in Action** in Expert talk for Business Analytics using Python subject at Sardar Patel Institute of Technology (S.P.I.T.), Mumbai (March 2025)
98. **Creative Automation: Leveraging Generative AI in Education Development** in FDP in Creativity & Innovation at Workplace at JECRC University, Jaipur (Feb 2025)
99. **Introduction To Deep Learning** in Course on Artificial Intelligence & Cloud Computing at Indian Audit & Accounts Department, Regional Capacity Building & Knowledge Institute Jaipur (Feb 2025)
100. **Machine Learning Algorithms** in Course on Artificial Intelligence & Cloud Computing at Indian Audit & Accounts Department, Regional Capacity Building & Knowledge Institute Jaipur (Feb 2025)
101. **Auto ML and Deep Learning: Automating the Data Science Workflow** in ATAL FDP on Fundamental of Data Science and Ethical Practices at Online (organized by Department of CSE, Sardar Patel Institute of Technology, Mumbai) (Feb 2025)
102. **Next Gen Research Strategies: AI Toolkit** in FDP on Technology Enabled Teaching, Learning & Process for Institutes at Online (organized by E&ICT Academy IIT Guwahati) (Feb 2025)
103. **Next Gen Work Strategies: AI Toolkit** in FDP on Technology Enabled Teaching, Learning & Process for Institutes at Online (organized by E&ICT Academy IIT Guwahati) (Feb 2025)
104. **Leveraging AI for Assessment and Engagement** in Faculty Development Program on AI and Virtual Labs Integration in Teaching Learning Pedagogy at Vivekananda Global University Jaipur (Jan 2025)
105. **Link Prediction in Social Networks** in E&ICT Academy FDP on Recent Advances in Social Network Analysis at IIITDMJ, Jabalpur (Jan 2025)
106. **Hands on: Network Models and Graph Visualizations Using Real World Datasets** in E&ICT Academy FDP on Recent Advances in Social Network Analysis at IIITDMJ, Jabalpur (Jan 2025)
107. **Network Growth Models and Databases** in E&ICT Academy FDP on Recent Advances in Social Network Analysis at IIITDMJ, Jabalpur (Jan 2025)

108. **Social Networks: Introduction and Applications** in E&ICT Academy FDP on Recent Advances in Social Network Analysis at IIITDMJ, Jabalpur (Jan 2025)
109. Keynote on **The Grammar of Intelligence: Crafting Prompts for Smart Data Interactions** in International Conference on Innovations in Data Science (ICIDS 2024) at Manipal University, Jaipur (Nov 2024)
110. **AI powered Education: Enhancing Learning, Collaboration, and Research with Humata AI** in Invited Expert for the Generative AI in Education Group at Online Organized by Dr. Rea Lavi from Massachusetts Institute of Technology (MIT), USA (Sep 2024)
111. **Role as First Responder and Handling Digital Device (Hands on) Artificial Intelligence** in Constable Band (Recruits) Basic Training at Intelligence Training Academy, Jaipur (Sep 2024)
112. **Open Educational Resources (OER)** in 5 Days Faculty Development Program on Enhancing Online Teaching and Learning at Online (Organized by Vivekananda Global University Jaipur) (Sep 2024)
113. **AI in Academia: Revolutionizing How We Learn, Present, and Understand** in SUPER 30 Digital Skilling & Job Readiness Program at MNIT Innovation & Incubation Center (MIIC) (Sep 2024)
114. **Coding the Future: Why Computer Science is Your Key to Making a Difference** in Vigyan Jyoti Conclave (DST) at MNIT Jaipur (Aug 2024)
115. **Innovation or Prototype Validation: Converting Innovation into Start Up** in Webinar at S.S. Jain Subodh P.G. Mahila Mahavidyalaya, Jaipur (Aug 2024)
116. **Empowering Research and Professional Tasks: The AI Toolkit for Success** in STTP on Recent Advancement in Artificial Intelligence and Robotics (RAAIR 24) at SVNIT, Surat (July 2024)
117. **Graph Powered Deep Learning: Exploring Deep Learning on Graphs with Real World Applications** in STTP on Recent Advancement in Artificial Intelligence and Robotics (RAAIR 24) at SVNIT, Surat (July 2024)
118. **AI as a Research Partner: Practical Applications for Advancing Professional and Academic Tasks** in Workshop on AI Tools at Department of Artificial Intelligence and Machine Learning, CSPIT Changa (June 2024)
119. **Revolutionizing Research and Professional Tasks with AI: Practical Use Cases** in Expert Talk for PhD Program (corporate heads) at JECRC University, Jaipur (June 2024)
120. **Graph Machine Learning: From Theory to Practical Applications** in STC on Network Science using Python at NITTTR, Chandigarh (May 2024)
121. **iGraph Essentials: Python's Toolkit for Network Analysts** in STC on Network Science using Python at NITTTR, Chandigarh (May 2024)
122. **Decoding Network Influence: Centrality Measures for Identifying Key Nodes** in STC on Network Science using Python at NITTTR, Chandigarh (May 2024)
123. **Navigating SPSS: Fundamental Tools and Techniques for Beginners** in Expert Talk for Quantitative Techniques & Computer Applications subject at JECRC University, Jaipur (April 2024)
124. **A Closer Look at Excel Treemap: Transforming Data into Visual Stories** in Expert Talk for Quantitative Techniques & Computer Applications subject at JECRC University, Jaipur (Mar 2024)
125. **Excel Excellence: Crafting, Running, and Editing Macros** in Expert Talk for Quantitative Techniques & Computer Applications subject at JECRC University, Jaipur (Mar 2024)
126. **Excel Excellence: PivotTables for Powerful Data Analysis** in Expert Talk for Quantitative Techniques & Computer Applications subject at JECRC University, Jaipur (Mar 2024)
127. **Beyond ANNs: Unveiling CNNs through Theory and Practice on CIFAR 10 in Computational Techniques** Using Artificial Intelligence and Machine Learning for Social Science and Engineering Applications at MNIT Jaipur (Mar 2024)

128. **Deep Learning Decoded: A Hands On Introduction to ANNs and Core Concepts in Computational Techniques** Using Artificial Intelligence and Machine Learning for Social Science and Engineering Applications at MNIT Jaipur (Mar 2024)
129. **Mastering Excel: Unleashing the Power of Data Tables and Goal Seek for Strategic Decision Making** in Expert Talk for Quantitative Techniques Computer Applications subject at JECRC University, Jaipur (Mar 2024)
130. **The Future is Now: A Deep Dive into AI, Deep Learning, and Their Transformative Applications** in High End Workshop (KARYASHALA) on Modelling and Optimization in Green Manufacturing at MNIT Jaipur (Feb 2024)
131. **The Art of Optimization: Exploring Greedy Algorithms, Dynamic Programming, and Car Sequencing** in High End Workshop (KARYASHALA) on Modelling and Optimization in Green Manufacturing at MNIT Jaipur (Feb 2024)
132. **Navigating the Depths of AI: Deep Learning Applications and Innovations** in Short Term Course on Machine Learning Using Python at Online (organized by Department of Physics, MNIT Jaipur) (Feb 2024)
133. **Basics of Python Programming** in Short Term Course on Machine Learning Using Python at Online (organized by Department of Physics, MNIT Jaipur) (Feb 2024)
134. Keynote on **Navigating the AI Revolution: Key Concepts and Groundbreaking Applications** in International multidisciplinary conference on emerging trends and perspectives in research and innovations at S.S. Jain Subodh P.G. Mahila Mahavidyalaya (Feb 2024)
135. **The Art of Decision Making in Excel: Advanced IF, Nested Statements, and More** in Expert Talk for Quantitative Techniques & Computer Applications subject at JECRC University, Jaipur (Jan 2024)
136. **Mastering Excel: A Deep Dive into Advanced Formulas and Functions** in Expert Talk for Quantitative Techniques & Computer Applications subject at JECRC University, Jaipur (Jan 2024)
137. **Python's iGraph Package: Unravelling the Essentials for Network Analysis** in STC on Complex Networks Analysis using Python at NITTTR, Chandigarh (Jan 2024)
138. **Connecting the Dots: Network Analysis in Medicine and Natural Language Processing** in STC on Complex Networks Analysis using Python at NITTTR, Chandigarh (Jan 2024)
139. **Beyond Nodes and Edges: Network Analysis in the Architectural Domain** in STC on Complex Networks Analysis using Python at NITTTR, Chandigarh (Jan 2024)
140. **Graph Neural Networks for Data Analytics** in FDP on Data Analytics & Cloud Security at Manipal University Jaipur (Jul 2023)
141. Keynote on **Graph Neural Networks: From Theory to Practice** in Two days workshop on Metaverse, Vision and Language Processing: The Industrial Aspect at Manipal University Jaipur (Feb 2023)
142. Keynote on **A Modern Treatment of the 15 Puzzle** in EICT FDP on Advanced Computational Intelligence Techniques for Engineering and Science Applications at MNIT Jaipur (Jan 2023)
143. Keynote on **NP Completeness and Approximation Algorithms** in Expert Talk at Poornima College of Engineering, Jaipur (Dec 2022)
144. Keynote on **Information diffusion on Social Networks Models, Algorithms and their Implementations** in Short Term Course on Social Network Analysis at NITTTR, Chandigarh (Nov 2022)
145. Keynote on **Applications of Graph Neural Networks Node Classification and Link Prediction on Social Networks** in Short Term Course on Social Network Analysis at NITTTR, Chandigarh (Nov 2022)
146. Keynote on **Introduction to Graph Neural Networks (GNNs) Graph Convolution Networks (GCN), Graph attention networks (GAT) and GraphSAGE** in Short Term Course on Social Network Analysis at NITTTR, Chandigarh (Nov 2022)

147. Keynote on **Introduction to Deep Learning and Convolution Neural Networks (CNN)** in Short Term Course on Social Network Analysis at NITTTR, Chandigarh (Nov 2022)
148. **Applications of Graph ML: Room classification on floor plan graphs and Estimated arrival time prediction in Google Maps** in Short Term Course on Machine Learning and Predictive Analysis using Python at NITTTR, Chandigarh (Jul 2022)
149. **Introduction to Machine Learning with Graphs** in Short Term Course on Machine Learning and Predictive Analysis using Python at NITTTR, Chandigarh (Jul 2022)
150. **Multivariate Linear Regression** in STC on Machine Learning using Python at NITTTR, Chandigarh (Mar 2022)
151. **Python for Structural Analysis of Graphs** in STC on Computer Programming using Python at NITTTR, Chandigarh (Feb 2022)
152. **Introduction to Python Networkx** in STC on Computer Programming using Python at NITTTR, Chandigarh (Feb 2022)
153. **Introduction to Linear Regression with One Variable** in STC on Machine Learning using Python at NITTTR, Chandigarh (Mar 2022)
154. **Node Classification in Social Networks** in STC on Social Networks Analysis at NITTTR, Chandigarh (Nov 2021)
155. **Information diffusion on Social Networks Models, Algorithms and their Implementations** in STC on Social Networks Analysis at NITTTR, Chandigarh (Nov 2021)
156. **Overview of Social Networks Analysis** in STC on Social Networks Analysis at NITTTR, Chandigarh (Nov 2021)
157. **Introduction to Graph Neural Networks** in STC on Social Networks Analysis at NITTTR, Chandigarh (Nov 2021)
158. **Code Generation and Compiler Optimization** in Expert Talk for Language Processor subject at Charotar University of Science and Technology Changa (Oct 2021)
159. **Graph Neural Networks (GNNs): Deep Learning on Social Networks (with Hands on)** in ATAL FDP on Network Science: Theory, Challenges and Applications at Online (Organised by Amity School of Engineering & Technology, Amity University Rajasthan) (Aug 2021)
160. **Introduction to Deep Learning and Convolution Neural Network (CNN) (with Hands on)** in ATAL FDP on Network Science: Theory, Challenges and Applications at Online (Organised by Amity School of Engineering & Technology, Amity University Rajasthan) (Aug 2021)
161. **Deep Learning on Social Networks** in Workshop at Pandit Deendayal Energy University, Gandhinagar (Apr 2021)
162. **Introduction to Deep Learning** in Workshop at Pandit Deendayal Energy University, Gandhinagar (Apr 2021)
163. **Network Centrality Measures** in Workshop at Pandit Deendayal Energy University, Gandhinagar (Apr 2021)
164. **Introduction to Social Network Analysis** in Workshop at Pandit Deendayal Energy University, Gandhinagar (Apr 2021)
165. Keynote on **Research Directions in Social Network Analysis (SNA)** in International Virtual Conference On Computational Mathematics at Virtual (Organized by Rathinam College of Arts & Science) (Jan 2021)
166. **Research directions in social network analysis (SNA)** in National Workshop on Some Recent Tools in Analysis Under Research at Virtual (organized by Department of Applied Sciences, Chitkara University) (Oct 2020)
167. **Searching and Hashing** in Short Term Training Program on Data Structure and Algorithms at Rajkiya Engineering College Bijnor (Oct 2019)

EVENTS ORGANIZED

1. National Level FDP on **Prompt Engineering for Educators** at Malaviya National Institute of Technology Jaipur, Jaipur, India from 19 6 2026 to 30 6 2026 (in collaboration with IIT Kanpur and IIITDM Jabalpur)
2. National Level FDP on **Agentic AI** at Malaviya National Institute of Technology Jaipur, Jaipur, India from 18 5 2026 to 29 5 2026
3. National Level FDP on **Redefining Teaching through AI, LMS and Digital Pedagogies** at Malaviya National Institute of Technology Jaipur, Jaipur, India from 27 10 2025 to 07 11 2025
4. National Level FDP on **QT 00 and QT 01: Foundations of Quantum Computing and Applications** (EICT Online FDP in partnership with AICTE, DST NQM, IBM and TCS) at Malaviya National Institute of Technology Jaipur, Jaipur, India from 18 08 2025 to 11 09 2025
5. National Level Short Term Course on **GIAN Course on Introduction to Generative AI Models** at MNIT Jaipur, India from 23 06 2025 to 27 06 2025 (Sponsored by Ministry of Education (MoE), Government of India, as part of the Global Initiative of Academic Networks (GIAN) program)
6. National level FDP on **QT 02: Foundations of Quantum Technologies** (EICT Online FDP in partnership with AICTE, DST NQM and IBM) at Malaviya National Institute of Technology, Jaipur, India from 11 04 2025 to 03 05 2025
7. National level FDP on **Quantum Technologies and Applications** (EICT Winter Online FDP in partnership with AICTE, DST NQM and IBM) at Malaviya National Institute of Technology, Jaipur, India from 28 02 2025 to 22 03 2025
8. International level Short Term Course on Summer School on **Artificial Intelligence and Machine Learning for Engineering and Social Science and Research** at MNIT, Jaipur, India from 04 09 2023 to 08 09 2023
9. National level Short Term Course on **Android Programming** (Funded by E & ICT Academy) jointly organized by IITG, NIT Patna, MNIT Jaipur and IIITDM Jabalpur, Online, India from 18 07 2022 to 22 07 2022
10. National level Short Term Course on **Natural Language Processing** (Funded by E & ICT Academy) jointly organized by NITP, IIT Roorkee, IIT Kanpur, IIITDM Jabalpur & MNITJ, Online, India from 07 02 2022 to 18 02 2022
11. National level Short Term Course on **Android App Development Using Java** (Funded by E & ICT Academy) jointly organized by IITG, IIITDMJ, NITP & MNITJ, Online, India from 23 10 2021 to 01 11 2021
12. National level Workshop on AICTE Training And Learning (ATAL) Academy sponsored FDP on **Computer Science and Biology** at Malaviya National Institute of Technology, Jaipur, India from 18 01 2021 to 22 01 2021
13. National level Workshop on 5 days Skill Development Workshop on **Fundamentals of Python Programming Skills** at MNIT, Jaipur, India from 31 08 2019 to 08 09 2019
14. National level Workshop on 5 days Skill Development Workshop on **Data Structure Fundamentals** at MNIT, Jaipur, India from 10 08 2019 to 18 08 2019
15. National level Workshop on 5 days Skill Development Workshop on **Fundamentals of C Programming Skills** at MNIT, Jaipur, India from 10 08 2019 to 18 08 2019

ADMINISTRATIVE RESPONSIBILITIES

1. **Centre Co Incharge, CSAB 2024** in MNIT from 01 04 2024 to Till Date.
2. **Coordinator (Teaching Learning Management System)** in MNIT from 28 04 2023 to Till Date.
3. **Digital Outreach Committee Member** in MNIT from 08 08 2022 to Till Date. Played a crucial role in achieving remarkable growth of the institute's social media handles: YouTube (**3.4x** reach), Instagram (**4.5x** reach), and Facebook (**1.6x** reach) since August 2022.

4. **Institute Ranking Committee Member** in MNIT from 29 07 2022 to Till Date. Contributed significantly to the improvement of NIRF 2023 ranking of MNIT.
5. **CACS Web Portal (Coordinator)** in MNIT from 22 03 2021 to 21 03 2022.
6. **NIRF Sub Committee (Departmental Faculty In charge)** in MNIT from 17 12 2020 to 16 12 2021.
7. **NBA First Year Academics Committee Member** in MNIT from 16 09 2020 to 15 09 2021.
8. **Faculty Co Coordinator (Virtual Class Room, Video Surveillance, Digital Library)** in MNIT from 28 07 2020 to 18 07 2022.
9. **Nodal Officer I stem Portal (Indian Science Technology and Engineering Facility map)** in MNIT from 27 01 2020 to 26 01 2021.
10. **Faculty Advisor (AluMNITimes)** in MNIT from 27 09 2019 to 01 05 2020.

PROFESSIONAL ACTIVITIES

- **Chandubhai S. Patel Institute of Technology, Charusat University** Anand, Gujarat
Board of Studies (BOS) Member, B.Tech (Information Technology) Dec 2022 to Present
- **Chandubhai S. Patel Institute of Technology, Charusat University** Anand, Gujarat
Board of Studies (BOS) Member, B.Tech (AI ML) Sep 2023 to Present
- **Vishvakarma Skills University** Jaipur, Rajasthan
Board of Studies (BOS) Member, Artificial Intelligence Mar 2024 to Present

ADDITIONAL ACHIEVEMENTS

- I was offered a travel grant of **400** euros for attending and presenting my work at SCAI 17 workshop which was held at Amsterdam, Netherlands on Oct 1, 2017. The grant was offered by sponsors of the event (Microsoft, Facebook and Google).
- Jest 2012 qualified with **241** AIR.
- Ranked **8th** in Gujarat and **5th** in Vadodara in **10th** board exam.

SKILLS SUMMARY

Programming and Tools: Python, C, LaTeX, Google Colab, Git, Streamlit, App Script.

AI and Data Science: Machine Learning, Deep Learning, Graph Neural Networks, NLP, Generative AI, Prompt Engineering.

Libraries and Platforms: NetworkX, PyTorch, PyTorch Geometric, Scikit learn, Pandas, NumPy.

Operating Systems: Windows, Linux, Ubuntu.

REFERENCES

1. Dr. Rahul Muthu (PhD Supervisor)
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2. Dr. Srikrishnan Divakaran (PhD Co supervisor)
Associate Professor
Krea University
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3. Dr. V. Sunitha
Professor
Dhirubhai Ambani Institute of Information and Communication Technology (DA IICT)
Email: v_suni@daiict.ac.in