CURRICULAM-VITAE

Dr. Supriya Shree

Asst. Professor
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Career Objective

To utilize my teaching skills to develop and promote creativity and high-order thinking skills that increase the performance of the students so that they can utilize their capabilities to the fullest benefit of the organization and society.

Educational Qualification:

- Completed Ph.D. in 2024 on the topic- "*Artificial Intelligence enabled multidimensional feedback system based on critical analysis of student's performance.*" From Capital University, Koderma, Jharkhand.
- NTA NET Qualified in Computer Science and Application in Dec 2018
- Master of Computer Application 2012 (IGNOU)
- Bachelor of Computer Application 2009 (IGNOU)
- 12th from Kendriya Vidyalaya COD Chheoki, Allahabad, 2006
- 10th from Kendriya Vidyalaya, Kankarbagh, 2004

Academic Exposer

- 10+ Years' Experience of teaching MCA and BCA Students.
- Impaneled as Evaluator in AKU for BCA program.

Work Experience:

- July 2015 – Present- Asst. Prof. (Full Time), St. Xavier's College of Management and technology
- July 2013 – 2015 -Asst. Prof. (Part-Time), St. Xavier's College of Management and technology
- April 2013 – Sep 2013- IT faculty in Admerit College
- August 2012 – Mar 2013- IT faculty in Bihar Management College

Research Publications

- **Published a paper** entitled *"Enhancing Privacy Preserving Federated Learning Using Differential Privacy"* in the *International Research Journal on Advanced Engineering Hub (IRJAEH)*, Volume 03, Issue 04, eISSN: 2584-2137, Published in April 2025. https://doi.org/10.47392/IRJAEH.2025.0294

- **Published a paper** entitled "Integrating Explainability and Security in Federated Learning for Edge Computing: Challenges and Solutions" in the *Journal of Emerging Technologies and Innovative Research (JETIR)*, Volume 12, Issue 06, ISSN: 2349-5162, Published in June 2025, pp. 508–521.

- **Published a paper** entitled *"Low-Code/No-Code Platforms: From Concept to Creation"* in the *International Journal of Engineering Research & Technology (IJERT)*, Volume 14, Issue 01, ISSN: 2278-0181, Published in January 2025.

- **Published a paper** entitled "*Investigating the Evolving Landscape of Deepfake Technology: Generative AI's Role in its Generation and Detection*" in the International Research Journal on Advanced Engineering Hub (IRJAEH), Vol. 02, Issue: 05, eISSN: 2584-2137, Published in May 2024. https://doi.org/10.47392/IRJAEH.2024.0206

- **Published a paper** entitled "*Revolutionizing Ecommerce: Harnessing the Power of ChatGPT and Generative AI for Personalized Customer Engagement and Enhanced Shopping Experiences*" in the International Journal of Innovations in Science Engineering and Management, Volume 3, Special Issue, ISSN: 2583-7117, Published on May 7, 2024.

- **Published a paper** entitled "*Context-Aware Multi-Dimensional Feedback to support students' performance in higher education"* in an edited book Revisiting 75 years of India's Independence: Achievements, Failures and Opportunities ISBN NUMBER: 978-93-5747-174-9, Published in June 2023.

- **Published a paper** entitled "*Assessing Academic Stress and Developing Feedback Systems to Enhance Student Well-being and Performance*" in International Journal of Innovative Research & Creative Technology (IJIRCT), Volume 9, Issue 6 (November-December 2023), E-ISSN: 2454-5988.

- **Published a paper** entitled "*Assessing student performance using AI*". Anveshak A bi-annual Journal,Vol. 52,no. 12(I),2022, ISSN: 0378-4568.

- **Published a paper** entitled "*A review on Artificial Intelligence enabled a Multidimensional feedback System and Critical Analysis of Students' Performance"*, Education and Society, UGC CARE Listed Journal, Year 45, Issue No.3, Oct-Dec 2022 ISSN 2278-6864.

Faculty Development Programs and Certifications

- **Year 2024-2025**
    - Attended the Faculty Development Programme on *Transformative Approaches in Higher Education & Research* held from 19th to 25th July 2024, organized by St. Xavier's College of Management & Technology, Patna.
    - Participated in the *Applied AI: Practical Implementations* Faculty Development Program held from 9th to 13th September 2024, organized by Microsoft India & SAP India under the Tech Saksham initiative.
    - Completed Faculty Development Programme on *Mathematical Foundation of Data Mining & Data Science* held from 21st to 26th October 2024, organized by Anant Gyan Knowledge and Skills Private Limited.
    - Attended Faculty Development Programme on *MERN Stack Web Development* held from 25th to 29th November 2024, organized by Microsoft India & SAP India under the Tech Saksham initiative.
    - Participated in the Faculty Development Programme on *GenAI for Excellence in Higher Education and Research: Exploring its Socio-Economic Implications* held from 10th February to 21st February 2025, organized by St. Francis Institute of Management and Research (SFIMAR).
    - Attended AICTE Training and Learning (ATAL) Faculty Development Programme on *Inculcating Universal Human Values in Technical Education* held from 24th to 28th February 2025, organized by the All India Council for Technical Education (AICTE).
    - Completed the FDP on *IoT Applications with Sensors, Embedded Systems, and Data Analytics* held from 17th to 28th February 2025, organized by E&ICT Academy, IIT Roorkee.

- **Year 2023-2024**
    - Completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Teaching Learning Center Indian Institute of Technology Patna from 16-30 April, 2024.
    - Attended the 5-Day Faculty Development Programme on NEP 2020 held from 2nd April 2024 to 8th April 2024, Organised by St. Xavier's College of Management & Technology, Patna.
    - Completed NPTEL Online Certification on the" Natural Language Processing" course, IIT Madras, Jan-April 2024.
    - Completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Teaching Learning Center Indian Institute of Technology (BHU) Varanasi from 11-20 March, 2024.
    - Completed A Six-Day Faculty Development Programme on Pedagogical Emotional Competence held from 27 February 2024 to 4 March 2024, Organised by the IQAC, St. Xavier's College of Management & Technology, Patna, in collaboration with Aryabhatta Knowledge University, Patna.

- o Completed Online Faculty Development Program on the Topic" Empowering Education with AI-based learning Concept for Global Competence" organized by Holy Cross College (Autonomous), Tiruchirappalli, Tamilnadu, on 29th January - 31st January 2024.
- o Completed NPTEL Online Certification on the" Deep Learning" course, IIT Madras, July-October 2023.
- o Completed Online Faculty Development Program on the Topic" Enhancing teaching with Bloom's Taxonomy & outcome-based Learning" organized by St. Xavier's College of Management & Technology, on 9th & 10th October 2023.
- o Completed 5-day Faculty Development Program on "Innovations in Teaching Pedagogy and Research Trends organized by Internal Quality Assurance Cell (IQAC), Patna Women's College (Autonomous) & St. Xavier's College of Management & Technology, Patna in collaboration with Xavier Board of Higher Education in India (XBHEI), Bengaluru, from 3rd July 2023 to 7th July 2023.
- o Completed Faculty Development Program on "Structural Equation Modelling (SEM) using Smart PLS, Shanti Business School in association with AIMS, on 24th-25th August 2023.

- **Year 2022-2023**
  - o Attended and successfully completed a 10 day FDP on "Machine Learning", organized by the Electronics and ICT Academy, IIT Roorkee, from 13th to 30th April 2023.
  - o Completed NPTEL Online Certification on the" Data Science for Engineers" course, IIT Madras, Jan-Mar 2023.
  - o Attended 6-day FDP on Soft Skill organized by St. Xavier's College of Management & Technology in collaboration with St. Joseph College (Autonomous), Tiruchirappalli,from 3oth Jan to 4th Feb 2023.
  - o Completed Online Faculty Development Program on the Topic" Effective Research Methodology & Publication Strategies" organized by All India Association for Christian Higher Education, New Delhi, and Madras Christian College (Autonomous), Chennai from 27th February to 3rd March 2023.
  - o Completed Online Faculty Development Program on the Topic" The Nuances of Scientific Writing and Publishing" organized by All India Association for Christian Higher Education, New Delhi, and Madras Christian College (Autonomous), Chennai from 11th July to 19th July 2022.

- **Till 2022**
  - o Completed NPTEL Online Certification on the course" User Centric Computing for Human-Computer Interaction", IIT Guwahati, Jan-Mar 2021.
  - o Completed NPTEL Online Certification on the" Programming, Data Structure, and Algorithm using Python" course, IIT Madras, Jan-Mar 2020.
  - o Attended and successfully completed a 10-day FDP on "Deep Learning and its Applications", organized by the Electronics and ICT Academy, IIT Roorkee, from 4th to 13th May 2020.
  - o Attended and successfully completed a 5-day FDP on Artificial Intelligence organized by MNNIT, Allahabad from 18th to 22nd May 2020.
  - o Attended and successfully completed a 5-day FDP on the topic "Deep Learning and its Applications" organized by NIT Patna from 17th to 22nd June 2020.

- Completed NPTEL- AICTE Faculty Development Program on the course" Introduction to Research", IIT Madras, August-October 2019.
- Completed NPTEL Online Certification on the course" Cloud Computing", IIT Kharagpur, Aug-Sep 2018.
- Completed NPTEL Online Certification on the" Database Design" course, IIT Madras, Feb-May 2015.
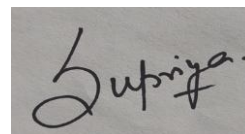
Seminars:

- Presented a paper entitled "Enhancing Privacy Preserving Federated Learning Using Differential Privacy" at the Second International Conference on Advancements in Science, Technology and Management (ICASTM-II) 2025, jointly organized by the Department of Computer Science, St. Xavier's College of Management & Technology (SXCMT), Patna, and Global Conference Hub, Coimbatore, Tamil Nadu, India, held on 11th & 12th April 2025.

- Paper presented on the Topic" *Revolutionizing Ecommerce: Harnessing the Power of ChatGPT and Generative AI for Personalized Customer Engagement and Enhanced Shopping Experiences.*" in an International Seminar on the topic Navigating the New Frontiers of Commerce: Digital Transformation, Sustainability & Global Challenges on January 19, 2024 in collaboration with Education Research & Development (ERDA).

- Paper presented on the Topic" *Explainable AI for Data-driven Formative Assessment and Feedback to Improve Student Success in Higher Education*" in an International Seminar organized by the Department of Computer Science, St. Xavier's College of Management &; Technology, 2022 on the theme Digitalization of Human Society: Innovation, Hurdles, And Prospects.

- Paper presented on the Topic" *Context-Aware Multidimensional Feedback to Support Students' Performance in Higher Education*" in a National Seminar organized by St. Xavier's College of Management & Technology, 2022 on the theme Revisiting 75 years of India's Independence: Achievements, Failures and Opportunities.

- Presented a paper entitled "*IoT and AI: Revolutionizing workplace safety*" at the National Seminar on Human Development: Contemporary Issues and Challenges at St. Xavier's College of Management & Technology on 8th February 2020.

- Presented a paper entitled "*Bihar Cloud: A Hope for Strengthening Agriculture in Bihar*" in the National Seminar on Bihar in 21 Century: Challenges and Opportunity at St. Xavier's College of Management & Technology on 20th & 21st January 2018.

- Presented a paper entitled "*m- Health with cloud: paths for growth of healthcare system*" in the National Seminar on Sarve Bhavantu Sukhinah: Revisiting Paradigm of Wellness at St. Xavier's College of Management & Technology on 8th & 9th April 2017.

- Presented a paper entitled "*E-Marketplace: Convergence of Global Market into Virtual Marketplace*" in the National Seminar on Vasudhaiv Kutumbkam: Reconceptualising Interconnections & Innovations at St. Xavier's College on 2nd & 3rd April 2016.

- Presented a paper entitled "Role of ICT in Rural Empowerment in India " in National Seminar on Knowledge Society for sustainable development at St. Xavier's College on 11th & 12th April 2015

- Attended the Seminar on " Impact of Technology on Society: Issues and Challenges " at St. Xavier's College in 12th & 13th April 2014.

Webinars & Workshops:

- Successfully completed 1 Day online workshop on "The Pathway to Explainable and Responsible Business Analytics" conducted by IIT Madras by Prof. Kristof Coussement, IESEG Center of Marketing Analytics(ICMA), Lille Campus, France on 7th April 2023.
- Attended 1 Day webinar on "Research writing" held on 21st April 2023 by the Xavier Board of Higher Education.
- Successfully completed 7-day National online workshop on " R PROGRAMMING FOR STATISTICAL AND DATA ANALYSIS" Jointly organized by St. Xavier's College of Management & Technology with Lore & E Research Associates, Kottayam from 23-31 March 2022.
- Attended 5 Day workshop on Data Analysis & Statistics from 15th to 19th September 2021.
- Attended faculty academic enrichment program organized by NDIM in Hotel Maurya, Patna, 11th May 2019.
- Attended a Workshop on Research Methodology held on May 16 & 17, 2018, by Dr. Amarendra Mishra, at St. Xavier's College of Management and Technology, Patna.
- Participated in 3-day Faculty Development Programme held on 28th, 29th and 30th May 2018, by Fr Tony D'Souza S.J. at St. Xavier's College of Management and Technology, Patna.
- Participated in a seminar cum workshop on "Self-Transformation" from 24th to 26th May 2016.
- Participated in seminar cum workshop on "Discovering the well Spring of Jesuit Higher Education" on 20th & 21st May 2016.
- Participated in a seminar cum workshop on "Issues and Challenges of Higher Education Today" on May 2015.
- Participated in seminar cum workshop on "Transformational Teaching" from 14th to 16th May 2015.
- Participated in the "Faculty-Student Training Program on Professional Ethics and Values " held at AIACHE, New Delhi in October 2015.

Awards & Recognitions

- **Resource Person**, *Transformative Approaches in Higher Education & Research*, St. Xavier's College of Management & Technology, 19th–25th July 2024.
- Silver Medal in NPTEL – AICTE – 8 weeks FDP on Introduction to Research with a consolidated score of 75%.
- Served as a resource person of the Faculty Development Program organized by St. Xavier's College of Management & Technology, on the topic "Who moved my cheeze- by Dhuuvri Subbarao "

Date: 30th June 2025   **Signature**