

Dr. Deepika Soni

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CAREER OBJECTIVES

Aiming to be Associated with a Progressive Organization that Gives me Support to Update my Knowledge, Skills in Accordance with the Latest Trends and be Part of a Team that Dynamically Works Towards Growth of Organization.

IT SKILLS

- ❖ C, C++
- ❖ Cloud computing
- ❖ Data Structure
- ❖ Operating System
- ❖ DBMS
- ❖ Networking

PROFESSIONAL QUALIFICATION

- ❖ Doctor of Philosophy (PhD) in Computer Application (An Analytical Study of Numerical Methods in Data Cleaning)

EDUCATIONAL QUALIFICATION

- ❖ Master of Computer Application from Gyanodaya Institute of professional Studies, Neemuch affiliated to RGPV (2013-2015) (Percentage-90.5%)
- ❖ Bachelor of Computer Application Application from Balkavi Bairagi Mahavidhalaya , Neemuch affiliated to Vikram University (2010-2013) (Percentage-85.5%)
- ❖ Higher Secondary School Certification Examination from Board of Secondary Education, Madhya Pradesh with 72% in 2010.
- ❖ High School Certification Examination from Board of Secondary Education, Madhya Pradesh with 77% in 2008.

WORK EXPERIENCE

- ¶ Organization : Sangam University, Bhilwara, Rajasthan
Designation : Assistant Professor in CSE Dep't. Duration
: 07th Sep 2022 to Present

Organization: Govt. MG College Jawad Dist. Neemuch (MP)
Designation : Assistant Professor in CS Department
Duration : 17th Aug 2015 to 30th Oct 2021

PAPER PUBLICATION

- ❖ Root –Squire closest approach for handling anomalous value in data mining.
“2nd world conference on smart trends in system, security & Sustainability(worlds4)” 978-1-5386-7280-8/18/\$31.00©2018.
- ❖ Closest fit approach through linear interpolation to recover missing values in data
“ICICT 2019 Fourth international congress on information & communication technology, Advances in intelligent system and computing 1041, https://doi.org/10.1007/978-981-15-0637-6_44.”.
- ❖ Inferential methodology for recovering anomalous values in data mining for attending “international conference on “importance of inter- disciplinary studies in higher education in the area of engineering ,science, Management and humanities” organized by the university technology Jaipur.ISBN:978-81-944699-5-7.
- ❖ Inferential methodology for recovering Anomalous value in Data mining. proceeding of importance of inter-disciplinary studies in higher education in the area of engineering, science, management and humanities.ISBN:978-81-944688-5-7.
- ❖ Early stage chronic kidney Disease Prediction using Convolution Neural Network at Second International Conference on Applied Artificial Intelligence and Computing (ICAAIC 2023) IEEE Xplore Part Number: CFP23BC3-ART; ISBN: 978-1-6654-5630-2
- ❖ Prediction of CKD Using Expert System Fuzzy Logic & AI at 2nd international conference on augmental intelligence and sustainable systems (ICAISS-2023) organized by care college of engineering. Trichy,indiaon 23-25, August 2023
- ❖ Paper presented “**Integrating Machine Learning and GeoAI for Enhanced Geospatial Analytics: Advances in Predictive Modeling, Automation, and Environmental Monitoring**” in ICAIR-2025, Sangam University, Bhilwara on, March 2025.
- ❖ Paper presented ICAIR-2022 an international conference, Sangam University Bhilwara on “**DESIGN AND DEVELOPMENT OF PROTECTED SERVICES IN CLOUD COMPUTING**”, OCT 2022.
- ❖ Paper presented ICAIR-2022 an international conference, Sangam University Bhilwara on “**CLOUD COMPUTING: A NEW WAY OF THE DISTRIBUTED COMPUTING**”, OCT 2022.
- ❖ **A perception of big Data Challenges and Future Development** At Jaipur engineering college and research center Jaipur National confrenece on contemporaray issue in computer Technology, 16 March 2019.

PATENT

- ❖ Patent **published** Title: "NON- INVASIVE AI-POWERD CKD DETECTION AND MONITORING SYSTEM.
- ❖ Patent **published** Title: "AI-BASED CHANGE DETECTION DUE TO HUMAN ACTIVITIES AND FEATURE EXTRACTION SYSTEM FOR REMOTE SENSING IMAGES USING TIME SERIES DATA"
- ❖ Patent **published** Title: "AI-BASED IDENTIFICATION AND PREDICTION SYSTEM FOR FINANCIAL NEEDS BASED ON DEMOGRAPHY AND ECONOMIC CYCLES"
- ❖ Patent **published** Title: "CAREER CHOICES AND AI-BASED COUNSELING ACCESSIBLE TO EVERY CHILD AT SECONDARY LEVEL ALONG WITH APTITUDE TESTS AND DETAILED CAREER PATHS"
- ❖ Patent **published** Title: "REAL-TIME DISASTER INFORMATION AGGREGATION SOFTWARE USING DEEP LEARNING"
- ❖ Patent **published** Title: "WATER AVAILABILITY-BASED CROP SELECTION AND ADVISORY SYSTEM FOR FARMERS USING MACHINE LEARNING"
- ❖ National seminal on "Challenges and innovative measure for enhancement and research in HEIs of rural area" in online mode
- ❖ UK Design Patent-
Title - Smart Electrical scooter driven by battery.
Design no-6247162
- ❖ Indian patent-An artificial intelligence based data analytics system with selection management and method thereof
Application no- 202211074100.

Book/BOOK CHAPTER

- ❖ Book published "**Exploring Analytics in numerical method for data cleaning**", BR international, ISBN: 978-81-971742-6-1 in 2023
- ❖ Revolutionizing Early Diagnosis on multifaceted Approach to chronic kidney Disease detection.
- ❖ Critical Review of the New Education Policy in the Present) CHAPTER- Context National Education Policy and Integration of Blended.

WORKSHOP\SEMINAR\FDP\BOOK CHAPTER

- ❖ FDP(AIU-SU-AADC):Outcome based education: Paradigms shift in higher education" Oct 14-18 2024
- ❖ FDP: Integrating indian knowlwdge system in modern education :An NEP-2020 Dec 16 to 20th 2024.
- ❖ Completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) from 20-02-2025 to 28-02-2025.

- ❖ AICTE Training and Learning (ATAL) Academy Faculty Development Program on Advanced Computational Techniques in Machine Learning: A Comprehensive Faculty Development Program Utilizing R Software at UNIVERSITY OF ENGINEERING AND MANAGEMENT KOLKATA from 25/11/2024 to 30/11/2024.
- ❖ One-week International Faculty Development Program on “Cutting Edge Technologies in Computer Science” organized by department of CSE and AIML, Easwari Engineering College, Chennai during 23/9/2024- 29/9/2024.
- ❖ One-week International Faculty Development Program on “Ethical Issues in Research Writing” , Organized by Regional College for Education Research and Technology, Jaipur and University of Technology, Jaipur in association with Scientific And Humanities Research Society, Jaipur, Rajasthan, India. September 11 – 16, 2024.
- ❖ Participated in 10 Hours International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, Sri Venkateswara Degree College, Kadapa - Andhra Pradesh, SJB Institute of Technology, Bangalore – Karnataka and Sri Indu PG College, Hyderabad – Telangana in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th Aug 2024.
- ❖ Participated in RUSA sponsored skill development course on Data Analytics and Machine Learning organized by Department of Computer Science & Applications, Punjab University, Chandigarh (India), from October 31 – November 10 2023.
- ❖ One week Faculty Development Program on “Cyber Security & Analysis” organized by Department of Artificial Intelligence & Data Science from 8-13 January 2024.
- ❖ Five Days international workshop on Application of machine learning and artificial intelligence In Research and innovations Regional College for Education Research & Technology, Jaipur 2nd to 6th May 2023.
- ❖ Five days FDP on Teaching & Learning Advancements in Science & Engineering Regional College for Education Research & Technology, Jaipur 24-04-2023 to 28-04- 2023.
- ❖ Nation Intellectual Property Awareness mission (IT awareness/training program) Intellectual Property Office and MoE’s innovation cell, India 12 April 2023.
- ❖ IOT & Drone E & ICT Academy, IIT Kanpur(A Joint initiative of MeitY & IIT Kanpur)27-02-2023 to 04-03-2023.
- ❖ Machine Learning E ICT Academy, IIT Kanpur (A Joint initiative of MeitY IIT Kanpur)27-3-2023 to 2-4-2023.
- ❖ Block chain E & ICT Academy, IIT Kanpur(A Joint initiative of MeitY IIT Kanpur) 20-3-2023 to 24-3-2023.
- ❖ One week FDP on Machine learning concepts and applications Organized by the department of computer science IT kathua campus, university of Jammu 14-03-2023 to 20-03-2023.
- ❖ “Capacity Bulding & personality Development Program “ Sponsored by national commission for woman (NCW), New Delhi.
- ❖ IAENG international Association of engineers membership.Member no. 336877.

- ❖ Faculty Development Workshop-“How to develop project proposal” Oct 20-21,2022.

ACHIEVEMENTS

- ❖ Cultural and entrepreneur development of India education youth for rural background (JAPAN) in tsuru university for 22 days at tsuru city yamanashi.
- ❖ Participated in social, cultural and sports activities during my academics

ACADEMIC PROJECT WORK

- ❖ Date of Birth : 6th November, 1992
- ❖ Gender : Female
- ❖ Nationality : Indian
- ❖ Languages Known : Hindi, English
- ❖ Mother Tongue : Hindi
- ❖ Father's Name: Mr. Kailash Chandra Soni
- ❖ Mother's Name : Mrs. Dilkhush Soni

ADDITIONAL INFO

I personally believe that my optimism and self confidence will make me achieve the heights I aim for. I am a flexible person who can easily get adapted with any working situation and environment. I am ready to relocate myself for the better prospects of my career and life.

DECLARATION

I do hereby declare that the above information is true to the best of my knowledge.

Date:-10 May 2025

Place-Bhilwara

(Deepika Soni)