

Name of the faculty: Dr. Shikha Ujjainia

Designation: Assistant Professor

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Educational Qualification:

Ph.D (Computer Application) RNTU-Bhopal, MCA, B.Sc. (CS)

Total Experience: 5 yrs

Academic: 05 yrs. | **Research:** 00 yrs

Areas of Interest:

Machine Learning, Data Analytics and Data Mining

Brief Profile:

Dr. Shikha Ujjainia completed her PhD in Computer Application from Rabindranath Tagore University, Master of Computer Application from Samrat Ashok Technological Institute (SATI), Vidisha and the B.Sc. degree in Computer Science from Career College, Bhopal. She has about 5 years of experience in teaching and currently she is working as an Assistant Professor in SAGE University, Bhopal. She has been published 6 research papers and 1 book in reputed journal along with 1 national patent to her credit. Her research interest includes machine learning, data analytics and data mining. She is also actively involved in an online workshop, seminar, or conferences on IoT, machine learning, and big data as well as held in organizations.

Research publications:

Total Citation Index: (h-index: 02, i10-index: 00)

1. Shikha Ujjainia, Pratima Gautam, S. Veenadhari, "Development of Smart Crop Production System using Big Data – A Review" in International Journal of Research and Innovation in Applied Science (IJRIAS), Vol. 2, Issue 5, Page No. 19-21, May 2017.
2. Shikha Ujjainia, Pratima Gautam, S. Veenadhari, "The Modern Approach towards Better Agriculture Management with Comparative Study of Micro Controllers" in International Journal of Modern Electronics and Communication Engineering (IJMECE), Vol. 7, Issue 4, Page No. 14-18, July 2019.
3. Shikha Ujjainia, Pratima Gautam, S. Veenadhari, "Crop Yield Prediction using Regression Model" in International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 9, Issue 10, Page No. 269-273, August 2020.
4. Shikha Ujjainia, Pratima Gautam, S. Veenadhari, "A Crop Recommendation System to Improve Crop Productivity using Ensemble Technique" in International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 10, Issue 9, Page No. 102-105, February 2021.

Papers presented in International Conferences:

1. Shikha Ujjainia, Pratima Gautam, S. Veenadhari, "A Machine Learning Approach Towards Increased Crop Yield in Agriculture" in proceeding of 2nd International Conference on Machine Learning and Information processing ICMLIP, Vol. 1311, Page No. 197, 2020.
2. Shikha Ujjainia, Pratima Gautam, S. Veenadhari, "Performance Assessment in Precision Agriculture using Decision Tree Approach" in proceeding of International Conference on Data Science, Machine Learning and Applications, ICDSMLA-2021.



Patents:

1. Design Number: 406309-001
Grant Date: 05.04.2024
Country Filed: India
Type: Innovation Patent
Title: AI Powered Sentinel Geo-Water Analyser.

Book:

1. Published a book entitled "Introduction to Data Science : Practical Approach with Python " by Scientific International Publishing House (SIPH) with ISBN No. - 978-93-5757-935-3.

Conferences, FDP And Workshop Attended:

1. Participated in a 2 days Workshop on "Research Methodology" organized by Rabindranath Tagore University (Formerly known as AISECT University), Bhopal from 19th - 20th May 2016.
2. Participated in a 6 days faculty Development Program on "Internet Of Things" organized by CRG, Rabindranath Tagore University (Formerly known as AISECT University), and Frugal Labs Bengaluru on 10th – 15th Oct., 2017.
3. Participated in a 2 days National Level Workshop on "Big Data Analytics With R" conducted by the Department of Computer Science & Information Technology and Department of Computer Science & Engineering at Rabindranath Tagore University, Bhopal from 15th – 16th March 2019.
4. Participated in a 3 days FDP/Workshop on "Data Analysis & Visualization Using Pandas, Seaborn and Plotly in Python" organized by CSI Gwalior Chapter in association with ITM Group of Institutions Gwalior & The Institution of Engineers (India) from 16th – 18th July 2020.
5. Participated in a 1-day Workshop on "Data Science" conducted by Data is Good on 24 Sep., 2020.
6. Participated and presented a paper in 2 days 2nd International Conference on Machine Learning and Information processing, ICMLIP-2020, organized by Department of Computer Science & Engineering, Vardhaman College of Engineering, Hyderabad, from 28th - 29th November, 2020.
7. Participated and presented a paper in 2 days International Conference on Data Science, Machine and applications, ICDSMLA-2021, organized by Computer Science and Engineering, and Computer Science and Information Technology Departments at Rabindranath Tagore University, Bhopal, from 10th – 11th June.
8. Participated in 3 days National Workshop on Research Paper Writing organized by SAGE School of Management, Bhopal, from 19th -21th January 2024.

Workshops/Seminars/Conference Organized:

1. Organized One Weeks Winter School on "MS Office for beginners" from 4th March 2024 to 8th March 2024 at SAGE University, Bhopal.
2. Organized a webinar on "Data Decode: Cracking Data Analytics" as Coordinator, held at SAGE University Bhopal, India on 23rd April 2024.

Awards/Recognitions:

1. Young Researcher Award for research paper title "Crop Yield Prediction using Regression Model" by Institute of Scholars (InSc), 2020.
2. Best Research Paper Presentation Award for research paper title "Performance Assessment in Precision Agriculture using Decision Tree Approach", by CSE and CS/IT Departments in ICDSMLA conference, 2021.

Expert Lectures Delivered:

1. Delivered an expert lecture session on the topic "MS Office for Beginners" in SAGE Winter School organized by School of Management Department, Bhopal on dated 4th to 8th March 2024.

Membership of Professional Bodies:

1. Membership of Institute of Scholars (InSc).