

Name of Faculty Mr. PAVAN KUMAR SINGHAL
Designation Assistant Professor
Nature of Job/Appointment Regular
Date of Joining 20-09-2024
E-mail pavankumarsinghal_aids@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE) Vivekananda Global University, Jaipur.	Pursuing
PG	M.Tech. (CSE)	First
UG	B.E. (CSE)	

Work Experience

Teaching	15 Years
Research	02
Industry	02
Others	--

Area of Specialization AI, Machine Learning, Data Science, Deep Learning.

Professional Memberships
ISTE LM68649
ACM 4340379
IAENG 334293

Responsibilities held at Institution Level

Responsibilities held at Department Level

Research Guidance

Awards Received

Courses Handled at Undergraduate / Post Graduate Level.

UG Level: Computer Networks, Data structures, C, Software Engineering, Computer Graphics, Software Project Management, Idea to Business Model, Object oriented programming and C++, DBMS, Operating Systems, Computer Fundamentals, Digital Electronics.

PG Level: Computer Networks, Data structures, C, Software Engineering, Computer Graphics, Software Project Management, Idea to Business Model, Object oriented programming and C++, DBMS, Operating Systems, Computer Fundamentals, Digital Electronics.

No. of Papers Published National Journals – 00 International Journals – 02
National Conference – 01 International Conference – 02

National: 04 (Granted-02, Published-02)

Patent Details:

1. Patent is granted with title “**ABSORBER PLATE OF SOLAR AIR HEATER**”, Application number: 360975-001, Published on 17-06-2022 (National Patent: INDIA).
2. Patent is granted with title “**ABSORBER PLATE FOR SOLAR AIR HEATER WITH RIBS**”, Application number: 382204-001, Published on 23-05-2023 (National Patent: INDIA).
3. Patent is published with title “**ABSORBER PLATE FOR SOLAR COLLECTOR**”, Application number: 394381-001, Published on 02-09-2023 (National Patent: INDIA).
4. Patent is published with title “**AUTOMATED SECURITY INCIDENT RESPONSE SYSTEM WITH AI DRIVEN DECISION MAKING**”, Application number: 202421003161, Published on 23-02-2024 (National Patent: INDIA).

Projects Carried out

Patents

04

Technology Transfer

Invited Speaker

--

No. of Books/Chapter Published with details

Published one book chapter a research paper entitled, “*APPLICATION OF MILLIMETER-WAVE IN INTERNET OF VEHICLES IN COMPUTER COMMUNICATION APPLICATION*” in the book *Emerging Trends in Science and Technology* (ISBN: 978-81-951982-2-1) published by our publishing house in the month of June 2021

Published one Book Titled “*Advance Web Server Technology*”, 2022, Scriptor publications Hardoi UP India.

Published one book Titled “*Enhanced IDS using hybrid machine learning approach*”, 2023, Lambert Academic Publishing.

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (**Attended and/or organized**).

participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “*Essentials of Machine Learning*” from 13/12/2021 to 17/12/2021 at Centre for Development of Advanced Computing (CDAC).

Participated and completed FDP on “*Artificial Intelligence & Machine Learning*” organized by Sipna college of engineering and technology Maharashtra during Jan. 13th to 19th 2022.

Participated and completed one week Faculty Development Program on Creativity, Innovation & Design Thinking organized by Electronics & Communication Engineering Department of MIT Moradabad, U.P. from 29 May to 02 June 2023.

Participated in the AICTE Recognized Faculty Development Programme on OBE and NBA Accreditation *Conducted by* Electronics and Communication Engineering Department from 07/08/2023 to 11/08/2023 (One Week) At Moradabad Institute of Technology, Moradabad, Uttar Pradesh

participated in five days online Faculty Development Program (FDP) on “*Intellectual Property Rights in the age of AI, ML, Cyber Security and Blockchain*” organized by The Department of Computer Applications, Mangalmay Institute of Management & Technology, Gr. Noida from **24th June – 28th June 2024**.

Successfully completed **Arduino** test on **2024-06-24** organized at **Moradabad Institute of Technology, Moradabad** with

course material provided by the Spoken Tutorial Project, IIT Bombay.
participated in the faculty development program on **Entrepreneurship, Incubation, and Innovation** organized by **Department of Biotechnology, Bansal Institute of Engineering and Technology, Lucknow** and sponsored by **“Dr. A. P. J. Abdul Kalam Technical University, Lucknow”** from **5th August to 10th August, 2024.**
Participated in the AICTE Recognized Faculty Development Programme on Deep Learning for Engineering Applications Conducted by Computer Science and Engineering Department from 02/09/2024 to 06/09/2024 (One Week) At Moradabad Institute of Technology, Moradabad
participated and successfully completed the 3-day Face-to-Face FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) at Moradabad Institute of Technology, Moradabad from 25th July to 27th July 2024.

Details of Journal Publications/
Conferences (National and
International)

International Journal from the year 2024

1. This certificate is awarded to **Mr. Pavan Kumar Singhal** of **MIT, Moradabad** for attending the International Conference on **"INNOVATION IN IOT, ROBOTICS AND AUTOMATION (IIRA 4.0)"** organized by Department of Computer Science & Engineering on 15-16 March 2024.
2. This certificate is awarded to **Mr. Pavan Kumar Singhal** of **MIT, Moradabad**, attended and presented a paper entitled Millimetre Wave Photonic Components for Broadband Wireless Systems in the international conference on “Advancements in Nano Electronics & Communication Technologies(ICANCT-2024)” during February 16-17, 2024
3. This certificate is awarded to **Mr. Pavan Kumar Singhal** of **MIT, Moradabad** for participating in National Conference on **"Emerging Trends in Engineering & Technology"** organized by ISROSET Indore MP India at school of engineering and technology, Vikram University Ujjain MP India and presented paper entitled “Early-stage heart attack prediction system using artificial neural networks” held on 06 Oct 2023.
4. This certificate is awarded to **Mr. Pavan Kumar Singhal** of **MIT, Moradabad** for presenting paper the International Conference on **"Novel Paging mechanism for the Directional Air Interface in MMWAVE-ENABLED 5G Communications "** organized by Prestige Institute of Engineering Management & Research Indore MP India during 9-10 April 2021.

INSTITUTE OF TECHNOLOGY

స్వయం తేజస్విన్ భవ

1979