Name of Faculty	Dr. B. SWATHI SOWMYA	
Designation	Assistant Professor	
Nature of Job/Appointment	Regular	
Date of Joining	01-05-2023	
E-mail	swathisowmya_it@cbit.ac.in	

Education Qualifications	Name of the Degree	Class
Ph. D.	Doctor of Philosophy(CSE) from JNTUH	Awarded
PG	M. Tech. (CS), JNTUHCEH	Distinction
UG	B.Tech. (IT)	Distinction

Work Experience

Teaching	09 years
Research	--
Industry	--
Others	--
Area of Specialization	Data Mining and Machine Learning
Professional Memberships	--
Responsibilities held at Institution Level	1. WBC Faculty Coordinator, from 30-01-2020 to till date.
Responsibilities held at Department Level	1. NAAC Criteria-2 Incharge 2. ISO Internal Auditor. 3. Member, Course Expert Group.
Research Guidance	--
Awards Received	1. Received Best paper award for the paper titled "Vacation Advisor Based on Dynamic Ratings" in the category of "Emerging Technology" in International Conference on Computer Vision and Robotics, 2021
Courses Handled at Under Graduate / Post Graduate Level.	Artificial Intelligence, Problem Solving and Programming, Information Retrieval Systems, Data warehousing and Data mining, Java Programming, Web Technologies
No. of Papers Published	National Journals – International Journals – 03 National Conference – 2 International Conference – 2
Projects Carried out	--
Patents	1. IML- Traffic Prediction: INTELLIGENT TRAFFIC PREDICTION USING MACHINELEARNING. 2. A System of Indexing for Processing Spatio-textual Skyline Queries, published on December 2021.
Technology Transfer	1. Delivered lecture and hands-on training in the 2-week In-house Faculty Development Programme on "Python Programming" at CBIT during 10-08-2022 to 22-08-2022.
Invited Speaker	--
No. of Books/Chapter Published with details	--

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

1. Participated in One Week Short Term Training Programme on "Cyber Security" jointly organized by Department of Computer Science & Engineering and Department of Information Technology, Chaitanya Bharathi Institute of Technology (Autonomous) during 16-20 May 2022.
2. Participated in Three days workshop on "Examination Reforms" conducted by AICTE FDP wing from Jan3rd to Jan 5th 2022.
3. Successfully Completed, A One Week Online FDP on "Data Science behind Natural Language Processing" organized by KITS, Warangal during 06-07-2020 to 10-07-2020
4. Successfully Completed, A One Week Online FDP on "Outcome Based Education & NBA Accreditation Process - (UG)" organized by Chaitanya Bharathi Institute of Technology(A), Gandipet, Hyderabad, during 28-05-2020 to 01-06-2020.

5. Successfully Completed, A 5-Day National Level Online FDP on "Artificial Intelligence" organized by Departments of CSE, IT and MCA, CBIT(A), Hyderabad, Telangana in collaboration with Brain-o-Vision India Pvt.Ltd, during 22-05-2020 to 26-05-2020.
6. Successfully Completed, A 5-Days Online FDP on "Introduction to Data Science", presented by Codegnan IT Solutions in association with Department of CSE, Guntur Engineering College, Guntur, AP, during 18-05-2020 to 22-05-2020.
7. Successfully Completed AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" organized by Indian Institute of Information Technology (IIIT Vadodara) during 11-05-2020 to 15-05-2020
8. Successfully Completed AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" organized by Indian Institute of Information Technology (IIIT Nagpur) during 18-04-2020 to 22-04-2020.
9. Attended one week "FDP on Data Science" organized by Dept of IT, CBIT(A),Hyderabad during 5-08-2019 to 10-08-2019.
10. Attended one week "FDP conducted by InHouse Training Centre, CBIT(A)" during 26-11-2018 to 30-11-2018
11. Attended a two-day workshop on "Introduction to Machine Learning" in GRIET, Hyderabad during 16-12-2017 to 17-12-2017.

Details of Journal Publications/ Conferences (**National and International**)

International Journals

1. Swathi Sowmya Bavirthi, KP Supreethi "Design and Analysis of Spatial Skyline Queries Indexing", International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Volume-9/ Issue-4S2, March 2020
2. Bavirthi, Swathi Sowmya and Supreethi K. P.;Systematic Review of Indexing Spatial Skyline Queries for Decision Support. IJDSST 96 vol.14, no.1, pp.1-15, Jan 2022 (Scopus and Web of Science Indexed Journal) http://doi.org/10.4018/IJDSST.286685
3. "An efficient framework for spatio-textual skyline querying and minimizing search space using R + tree indexing technique." Int. j.inf. tecnol. vol. 14, pp.1263–1271, Feb 2022. https://doi.org/10.1007/s41870-021-00845-1 (Scopus and Springer Indexed Journal) https://doi.org/10.1007/s41870-021-00845-1

International Conferences

1. Swathi Sowmya, Saadhana Kotipalli, Shivani H "Vacation Advisor Based on Dynamic Ratings". In: Bansal, J.C., Engelbrecht, A., Shukla, P.K. (eds) Proceedings of Computer Vision and Robotics. Algorithms for Intelligent Systems. Springer, Singapore, 2022. Scopus and Springer Book Chapter. https://doi.org/10.1007/978-981-16-8225-4_16
2. Supreethi. K.P., Venkat Raman, Swathi Sowmya "Face Recognition: A Robust Approach" Proceedings of the IADIS International Conference on Internet Technologies; Society 2013, from 29 th November to 1 st December in Malaysia.