

Name of Faculty S. Shobarani
 Designation Assistant Professor
 Nature of Job/Appointment Contract (till 07/02/2023)
 Date of Joining 07-03-2022



E-mail shobarani_it@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	–	Pursuing
PG	M. Tech. (SE)	Distinction
UG	B. Tech. (CSE)	First

Work Experience

Teaching	16 Years
Research	--
Industry	--
Others	--

Area of Specialization Discrete Mathematical Structures, Design and Analysis of Algorithms, Artificial intelligence, and Neural Networks.

Professional Memberships Member, ISTE Number: LM 124248

Responsibilities held at Institution Level Member ARIIA

Responsibilities held at Department Level

1. Member Board of Studies,
2. Member, Performance Assessment Committee
3. Member, Course Expert Group

Research Guidance --

Awards Received

1. Received Elite Silver Certificate for the NPTEL online Course “**The Joy of Computing using Python**” from IIT Madras, Jan-Apr 2021.
2. Received IUCEE International Engineering Educator Certificate from IUCEE, in May 2016. Program Duration is from Dec 9th 2015 to May 20th 2016.

Courses Handled at Under Graduate / Post Graduate Level. Discrete Mathematical Structures, Design and Analysis of Algorithms, Artificial Intelligence, Neural Networks, Software project management, Operating Systems, Computer Organization and Architecture, Information Security.

No. of Papers Published National Journals – International Journals – 06
 National Conference – 00 International Conference – 02

Projects Carried out --

Patents --

Technology Transfer --

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**).

- Participated in a Two Week Faculty Development Programme entitled “**A Blend of Machine Vision, Cyber Security, Block Chain & Applications**”, from August 5th to August 18th 2021 through online pedagogy from SATHYABAMA University.
- Participated & completed two-week AICTE Faculty Development Programme on “**Robotics & Automation**” from 16th to 30th June, 2021, at Jamia Millia Islamia (A Central University), New Delhi.
- Participated in a One week FDP on “**AI & Deep Learning**” at 360 Digi TMG, India during 17th Aug 2020 to 28th Aug 2020.
- Participated in a One week FDP on “**Fascinating Python Application in Real-World and NVMe Storage Introduction**” in SRM University during 6th July to 10th July 2020.
- Participated in a Two – Days National Symposium on “**Deep Learning For Engineering Applications (DEA-2019)**” at National Institute of Technology, Warangal during 2^{5th}-2^{6th} Feb, 2019.
- Participated in a One week FDP on “**CYBER OPERATIONS**” at Vardhaman College of Engineering, Hyderabad during Jan 28th, 2018 to Feb 02nd, 2019.
- Attended a one week Faculty Development Program On “**Data Science Technologies & Next Generation Artificial Intelligence**” at Muffakham Jah College of Engineering and Technology during 03rd-08th Jan 2019.
- Participated in a One week FDP on “**Artificial Intelligence and Machine Learning**” conducted by the E & ICT Academy, National Institute of Technology, Warangal at Vardhaman College of Engineering, Hyderabad during 5th-10th Feb, 2019.
- Participated in 5 Days Faculty Development Program on “**DATA SCIENCE AND BIG DATA ANALYTICS**” conducted by ICT Academy from 05-09 Dec 2017 at Vardhaman College of Engineering, Hyderabad.
- Participated in a one week Faculty Development Program on “**Internet of Things and Smart Applications**” conducted by CVR College Of Engineering, during 27th Nov-1st Dec 2017.
- Participated in the Two day Workshop on “**Outcomes-based Education (OBE)**” conducted on 5th & 6th May, 2017 at Vardhaman College Of Engineering, Hyderabad.
- Attended “**FOURTH INTERNATIONAL CONFERENCE ON TRANSFORMATION IN ENGINEERING EDUCATION**” held during **January 6-8, 2017** at Vardhaman College of Engineering, Hyderabad, India.
- Participated in a One week Faculty Development Program On “**RESEARCH TRENDS IN COMPUTER SCIENCE & ENGINEERING**”

Organized by Department of Information Technology and Computer Science & Engineering at Vardhaman College Of Engineering, Hyderabad during 5th - 11th January, 2015.

- Participated in a One week FDP on “**Lecture Series on Computer Science Core Concepts**” at Vardhaman College of Engineering, Hyderabad during 19th-25th November, 2014.
- Attended a One day seminar on “**Multimedia Data Retrieval**” at Vardhaman College of Engineering, Hyderabad on 11th November 2014.
- Attended **ISTE** workshop on **DATABASE MANAGEMENT SYSTEM** conducted by IIT Bombay and sciences Turbomachinery Institute of Technology.
- Participated in a Workshop on **ANDRIOD TECHNOLOGY** conducted in P. Indra Reddy Engineering College.

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

International Journal

1. Published a paper titled “Third Party Auditing For Secure Cloud Storage “in International Journal of Research in Computer Sciences and Engineering (IJRCSE), IJRCSE/ April-2015 / Vol-5/ Issue-2/2517-2522, ISSN 2321-5585.
2. Published a paper titled “A novel approach on memory less BFGS neural network training algorithm” in International Organization of Scientific Research Journal of Computer Engineering (IOSR-JCE), Vol 18, Issue 6, Nov 2016.
3. Published a paper titled “A Survey on Internet of Things - Fog Secure Data In Processing Health Services” in International Journal of Engineering & Technology Science and Research, Vol 4, Issue 11, Nov 2017.
4. Published a paper titled “Review on Neural Networks Associative memory Models “in the International Journal of pure Applied Maths. 2018.
5. Published a paper titled “Travel data sequence from multi-source Recommendation System “in International Journal of Engineering & Technology Science and Research, Nov 2018.
6. Published a paper titled “A Study on Techniques of facial recognition and IOT Cam vulnerabilities: A survey”, in International Journal of Engineering & Technology Science and Research, Nov 2018.

International /National Conferences

1. Published a paper titled “**Bidirectional Octonion Long-Short Term Recurrent Neural Networks for Speech Recognition**” [European, Asian, Middle Eastern, North African Conference on Management & Information Systems EAMMIS 2021- Artificial Intelligence Systems and the Internet of Things pp 57-64.](#)
2. Published a Paper titled “**AutoAssociative Memory for Face Recognition using High-Dimensional Octonion Data**” in IOP Conference Series: Materials Science and Engineering **1042** 012028 in 2021.