

Name of Faculty Mrs K H Vijaya Kumari  
 Designation Assistant Professor  
 Nature of Job/Appointment Contract (01-05-2023)  
 Date of Joining 01– 06 - 2022  
 E-mail Vijayakumari\_it@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE)	Pursuing
PG	M. Tech. (Software Engineering)	First class with Distinction
UG	B. Tech. (CSIT)	First class

Work Experience

Teaching	10 Years
Research	04 years
Industry	--
Others	--

Area of Specialization Compiler Design, Computer Networks, Image Processing , Deep Learning

Professional Memberships --  
 Responsibilities held at Institution Level --  
 Responsibilities held at Department Level --  
 Research Guidance --

Awards Received

- Received Organization’s recognition for the long-standing services provided to the institute
- Received Organization’s recognition as the Best Supporter of the Department
- Received Citation from the Head of the Institution for publishing Research Papers

Courses Handled at Under Graduate / Post Graduate Level. Design and Analysis of Algorithms, Advanced Data Structures and Algorithms, Computer Networks, Operating Systems, Automata and Compiler Design, Java Programming, Web Technologies

No. of Papers Published

National Journals – NIL	International Journals – 5
National Conference – NIL	International Conference – 6

Projects Carried out --  
 Patents “A Deep Growing Segmentation Network for reaching the Farthest Pixel”, published in Dec, 2021 with Patent Application No: 202141055116 A

Technology Transfer --

Invited Speaker

1. Acted as One of the Resource Persons for a Faculty Development Program on Automata and Compiler Design at Chaitanya Institute of Engineering & Technology (CIET),2009
2. Acted as One of the Resource Persons for a Faculty Development Program on IOT at MLRIT, 2018
3. Acted as One of the Resource Persons for a Faculty Development Program on IUCEE Project Management course at MLRIT, 2018
4. Guest Faculty for Automata and Compiler Design - Department of Computer Science & Engineering for GEC ,

2014

No. of Books/Chapter Published with details

1. Published One Chapter “An ample review on brain image classification for Alzheimer’s disease”, a book chapter in Predictive Intelligence in Biomedical and Health Informatics, Intelligent Biomedical Data Analysis,12,October,2020;  
Doi.org/10.1515/9783110676129.

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

1. Obtained IUCEE Certification in Project Management Course in Jan,2018
2. Obtained participation certificate in IOT workshop organized by NIT-Warangal in April,2018
3. Obtained NPTEL Certificate with ELITE grade in Digital Image Processing in November,2018

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

### **International Journals**

#### **SCI Journals:**

1. “RUDA: An Ensembled Residual UNet with Dual Attention for Multimodal and Multiclass Brain MRI Segmentation”, International Journal of Imaging Systems & Technology (IMA),2022

#### **Scopus Indexed Journals:**

1. “Performance Comparison of Mobility management in Mobile IP Networks “@ International Journal of Advanced Engineering Sciences and Technology ISSN:2230-7818 Vol.No:10, IssueNo: 1,2011
2. “Scalar vs Vector Color Image Processing: An Analysis” @ Jour of Adv Research in Dynamical & Control Systems, (Scopus Indexed) Vol. 10, 02-Special Issue, 2018
3. “An Approach to detect Brain Tumor using segmentation technique” @ International Journal of Pharmaceutical Research (Scopus Indexed) Vol 10, issue 3, July-Sep 2018
4. “Design and development of an Automated Assistance intelligent programmed tool for Medical Diagnosis (AAMD)”, International Journal of Pharmaceutical Research, 2018.

### **International Conferences**

1. “Investigating the Volumetric Biomarkers of Alzheimer Disease: A State-of-the Art Review” @ International Conference on Advances in Distributed Computing and Machine Learning, NIT Warangal, 2022
2. “Mobility Management Approach with End-To-End Quality of Service” @ International Journal of Computer Science & Technology, Vol-4, Issue 1, Jan-March,2013
3. “Advanced Encryption Standard an Analysis on Security Attacks” @ International Conference on Recent Advances in Computer Science 2012
4. “Data Segregation and Identity Management in Cloud Computing” @ International Conference on Recent Advances in Computer Science 2012
5. “A Generic Model and Satisfying Performance Goal for Testing Software” @ International Conference on Recent Advances in Computer Science 2012
6. “Secured Communication using identity-based protocols in P2P System” @ International Conference on Nanoscience, Engineering & Advanced Computing,2011