

Bhadrachalam Kollati

PERSONAL PROFILE

Name : K. Bhadrachalam
M.Tech.,
Designation : Lecturer In-Charge, Department of Computer Science
Sri A.S.N.M. Govt. College (A), Palakol, W.G Dt.
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EDUCATION

- M.Tech (Computer Science & Technology with Computer Networks) from **Andhra University College of Engineering**, Visakhapatnam in 2012
- B.Tech (Computer science) from **Swarnandhra College of Engineering & Technology**, affiliated JNTU Kakinada, in 2009
- INTERMEDIATE (MPC) - Board of Intermediate Education, AP from **DNR College**, Bhimavaram, W.G DT in 2005
- SSC - State Board of AP from **Z.P.H School**, Elurupadu, W.G. DT, in 2003

TEACHING EXPERIANCE

- Working as **Lecturer in Computer Science**, SRI A.S.N.M Government College (A), Palakol from **August 2021 to till date**.
- Worked as an **Assistant Professor in CSE Department**, **Sri Vishnu Engineering College for Women (SVECW)**, Bhimavaram from **Octobar 2013 to June 2021**.

RESEARCH EXPERIANCE

- Pursuing **Ph.D. from Jawaharlal Nehru Technological University (JNTUA)**, Ananthapur, Working on wireless sensor networks as major area

Published 4 papers on objectives - There is need for an integrated WSN framework that combines accurate RSSI-based localization, optimized routing, privacy preservation, malicious attack detection, and quantum-resistant security.

ACHEIVEMENTS

- Appointed as Govt. Degree College Lecturer in Computer Science through Direct Recruitment 2021 conducted by APPSC
- Qualified UGC-NET 2012 eligibility Lectureship conducted by UGC
- Qualified APSET 2021 eligibility for Lecture/Assistant professor conducted by Osmania University

PROFESSIONAL ADMINISTRATIVE ROLES

S. No	Institution/ Organization	Position Held	Duration	Accomplishments
1	Sri A.S.N.M. Govt. College (A), Palakol,	In-Charge, Department of Computer Science	24-09-2021 Till Date	a) As Chairman, Board of Studies Conducted Five BoS Meetings for the AY 2021-22, 2022-23, 2023-24, 2024-25 & 2025-26 b) Contribution to Research: Published Two Research Articles and Two IEEE Conference Papers in International Peer Reviewed Journals/IEEE Explore
2		IQAC Coordinator	07-08-2023 to Till Date	<u>IQAC Responsibilities and Contributions:</u> 1. Successfully prepared and submitted the AQARs for the Academic Years 2022–23 and 2023–24. The AQARs for the Academic Years 2024–25 and 2025–26 have been prepared and are ready for submission. 2. Compiled, verified, and submitted the required data for Academic Audits and facilitated the successful completion of the audit process for the Academic Years 2024–25 and 2025–26. 3. Contributed to the preparation and compilation of AADPI data for the Academic Years 2023–24 and 2024–25, which was submitted to the Regional Joint Director (RJD) Office. 4. Served as an Academic Advisor during the Annual Academic Audits order given by CHE 5. Attended Faculty Development Programmes (FDPs) organized by the Commissionerate of Collegiate Education (CCE/CHE) on academic quality enhancement and administrative reforms to strengthen institutional quality assurance practices.
				1. Coordinated and monitored skill development training programmes and career guidance initiatives for students to enhance employability

3		JKC Coordinator	27-08-2021 to 10-01-2025	and career readiness. 2. Organized campus recruitment drives and accompanied students to Job Melas conducted at Nodal Resource Centres (NRCs), facilitating their participation in placement and employment opportunities.
4		Website Coordinator	a) 28-08-2021 to 19-08-2023 b) 26-07-2024 to Till Date	1. Maintained and updated the institutional website in accordance with the checklist and guidelines issued by the CHE 2. Regularly updated academic and institutional information on the website as required. 3. Uploaded AQAR reports, NIRF submission data, accreditation-related documents, and supporting certificates to the institutional website in a timely manner.
5		TLP Coordinator	24-12-2021 to 07-08-2023	1. Updated semester-wise departmental timetables and monitored faculty attendance throughout the semester. 2. Compiled and submitted college-wise and individual faculty attendance reports to the CHE as and when asked
6		FRS Coordinator	16-09-2022 to 07-08-2023	1. Coordinated the registration of students and faculty in the FRS (Facial Recognition System) application. 2. Monitored daily attendance through the FRS application to ensure accurate attendance records. 3. Recorded and updated faculty absences in the FRS application as per institutional requirements.
7		Coordinator for NAAC Criteria 1	24-02-2022 to 07-08-2023	Contributed to the data compilation and preparation of the Self Study Report (SSR) for NAAC Cycle III Accreditation and AQAR's

PROFESSIONAL DEVELOPMENT PROGRAMS ATTENDED

S. No	Course	Place	Duration
1	Ten Day Government official training programme on “Introductory Course on Robotic Process Automation(RPA) using UiPath” FutureSkills PRIME programme	Organized Ministry of Electronics and Information Technology, CDAC and NIELIT	03 -01-2022 to 13-01-2022
2	Five Day Residential Induction Training Programme for Newly Recruited Degree College Lecturers	CCE, AP in Collaboration with Pithapur Rajah's Government College (A), Kakinada, Held at ANU, Guntur	29-06-2022 to 03-07-2022

3	Six Day FDP “Mentoring and Facilitation for Apprenticeship/Internship” for Master Training training program	MGNCRE, University of Hyderabad(UOH), Hyderabad	05-12-2022 to 10-12-2022
4	Three Day ToT on “Internship Management and Learning Management System”	By CCE, at SCIM Govt. Degree College, Tanuku	05-01-2023 to 07 -01-2023
5	Three Day ToT on “Internship Management and Learning Management System” as Master Trainer	By CCE, at D.R.G Govt. Degree College, Tadepalligudem	23-01-2023 to 25 -01-2023
6	Six Day ToT programme on “English Medium of Instruction, Proficiency in English”	By CCE at NRC SCIM Govt. Degree College, Tanuku	05-06-2023 to 10 -06-2023
7	Seven Day National Level online FDP on “OBE and Essential AI tools for teachers”	Carmal College(A), Mala in association with Kerala State Higher Education Council(KSHEC)	10-08-2023 to 18-08-2023
8	Two weeks Capacity Building Teacher Training Program in Computer Science	Malaviya Mission Teacher Training Centre(MMTTC) at University of Hyderabad	23-02-2024 to 05-03-2024
9	Four Week Faculty Induction/Orientation programme for faculty in Universities/Colleges/Institutes of Higher Education and obtained Grade A+	Organized by Teaching Learning Centre Ramnujan College, University of Delhi	27-03-2024 to 23-04-2024
10	Three Day workshop on Academic Council, BOS, Examination reforms	CCE, AP in Collaboration with Government College (A), Rajahmundry.	18-07-2024 to 20-07-2024
11	30 hours Innovation Ambassador (IA) “Foundational Level” (Total 16 sessions of 30 hours)	MoE’s Innovation Cell & AICTE during IIC calendar	IIC Calendar Year 2025-26
12	Four Weeks FDP on QT-00 &01 Foundations of Quantum Computing & Applications (40hrs and 3 credit equivalent) performance was “Excellent”	jointly organized by Electronics and ICT academy, MINT, Jaipur and APSCHE	18-08-2025 to 11-09-2025
13	Four Weeks FDP on QT-02 Foundations of Quantum Technologies (40hrs and 3 credit equivalent) performance was “Excellent”	jointly organized by Electronics and ICT academy, MINT, Jaipur and APSCHE, funded by MeitY & AICTE	19-09-2025 to 16-10-2025
14	Three Day PM-USHA Sponsored Workshop on Curricular and Administrative Reforms in Government Autonomous Colleges	CCE, AP in Collaboration with Government College (A), Rajahmundry.	04-02-2026 to 06-02-2026
15	Five Day Faculty Development Programme on “Artificial Intelligence”	Organized by University of Hyderabad(UoH) & APSCHE and Sponsored by AU, Visakhapatnam	23-03-2026 to 27-03-2026

PRESENTATIONS AND CONFERENCES ATTENDED

- Attended **International Conference on Pervasive Computing and Social Networking (ICPCSN-2026)** on 06th -08th May, 2026 organized by R P Sarathy Institute of Technology, Salem, Tamil Nadu, India
- Attended **International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV-2025)** on 17th -19th June, 2025 organized by Francis Xavier Engineering College, Tamil Nadu, India

RESEARCH PUBLICATIONS

S.No.	Title of Journal/Conference	Journal Name	Vol No./ Issue No	Year/Month of Publication	Page NOs
1	Optimal Clustering With Weighted Least Square Method for RSSI-Based Localization in Wireless Sensor Networks	<i>Transactions on Emerging Telecommunications Technologies</i> (Wiley)- Web of Science – SCIE	Vol:36, Issue:8	June, 2025	15
2	An energy efficient location aware geographic routing protocol based on anchor node path planning and optimized Q-learning model	<i>Sustainable Computing: Informatics and Systems</i> (Elsevier) – SCOPUS	Vol:46, Article Number: 101084	January, 2025	18
3	Defending against Routing Attacks with Privacy-Preserved Localization in Wireless Sensor Networks	IEEE Explore (Conference Proceeding)	ISBN:979-8-3315-1176-0	July, 2025	08
4	Quantum-Resistant Cryptographic Framework for Secure Localization in Wireless Sensor Networks	IEEE Explore (Conference Proceeding)	ISBN 979-8-3315-7236-5	June, 2026	09