Banda Srikanth
Assistant Professor
Department of ECE
University College of Engineering (KU)
Badradri Kothagudem – 507101
Emailid:bsrikanthiitkgp@kakatiya.ac.in
          bsrikanthiitkgp@gmail.com
Mobile No: +91 9640388791, +91 9849765534;

AcademicQualifications:

Examination / Degree	Name of the Board/University	Month & year of award of the degree
SSC	Board of Secondary Education, Hyderabad	March 1999
Intermediate	Board of Intermediate Education.	March 2001
Under Graduate B. Tech. (ECE)	Jawaharlal Nehru Technological University, Hyderabad	July 2005
Post-Graduate M. Tech. (VLSI)	IIT KHARAGPUR	June 2008
P.hD	IIT(ISM) DHANDBAD	Thesis submitted

ProfessionalExperience:

Organization	Designation	Period
Kakatiya University, Telangana	Assistant Professor	01-05-2010 to Till Date
CVSRCollegeof Engineering.	Assistant Professor	24-05-2009 to 30-04-2010

Area of Research:

- Instrumentation in Underground Coal Mining
- Digital VLSI Design
- Microprocessor and Microcontrollers
- Embedded Systems

Awards/ Rewards:

- Secured the GATE rank of **ALL INDIA 454** in the year 2006.

Subjects taught:

a) CVSRCollege of Engineering, Hyderabad.

Microprocessor and Microcontroller, Digital Electronics and VLSI Design.

b) University College of Engineering (Kakatiya University),Kothagudem

Basic Electronics, Microprocessor and Microcontroller, Digital Electronics, Digital system Design and VLSI Design.

Software proficiency:

- CAD TOOLS
- MASAM
- Arduino IDE

Academic/Administrative Experiences at Kakatiya University:

Designation	Department	Date of actual joining	
		From	To
Departmental Committee Member	Engineering	15-11-2012	14-11-2013
BoS Member	ECE	26-03-2013	28-08-2015
Joint Director	Hostel	09-10-2013	08-12-2016
University Representative	Max institute of Pharmaceutical Sciences	30-01-2014	29-01-2016
BoS Member	ECE	29-08-2015	27-09-2016
BoS Member	ECE	27-09-2016	27-09-2018
VC Nominee	SRRRVKRM College	24-04-2017	24-04-2019
DC Member-Convener	Mining	20-08-2018	20-08-2019
Chairperson	ECE	10-12-2018	10-12-2020
DC Member	Mining	11-10-2019	11-10-2021
M.Tech, Co-Ordinator	Mining	27-01-2020	UFO
VC Nominee & Member	UCE, KTDM	22-05 -2020	---
Exam Brach in charge	UCE, KTDM	27-09-2021	UFO
DC Member-Convener	Mining	29-04-2022	2 years or till reconstitute

Publications:

a) InternationalJournals

1) **Banda Srikanth**, Kumar, H., & Rao, K. U. M. (2017). **"Issues, Challenges and Techniques in WSN for Performance Enhancement in Underground Coal Mining"**. Global Journal of Research in Engineering.

2) **Srikanth, B**., Kumar, H., & Rao, K. U. M. (2018). **"A robust approach for WSN localization for underground coal mine monitoring using improved RSSI technique"**. Mathematical Modelling of Engineering Problems, 5(3), 225-231. (**SCOPUS**)

3) **Srikanth, B**., Kumar, H., & Rao, K. U. M. (2019). **"Secure and QoS Aware Fuzzy Logic Based Routing for Underground Coal   Mine Monitoring"**. International Journal of Grid and Distributed Computing, 12(1), 11-30. (**ESCI**)

4) **Srikanth, B**., Kumar, H., & Srinivasulu T. (2021). **"A study on roof convergence monitoring in underground coal mining using an embedded system"**Journal of Mines, Metals and Fuels, 69(7)(**SCOPUS**)

5) **Srikanth, B**., Kumar, H., & Srinivasulu T. (2022). **"Development of integrated roof monitoring system and continuous miner working index for improving mine safety"**International Journal of Mining and Mineral Engineering, **(Accepted)(SCOPUS)**

6) **Srikanth, B** (2022). **"Slope stability monitoring system based on the ORLPSTARNET IoT platform"**Journal of Mines, Metals and Fuels, **(Accepted)(SCOPUS)**

b) National Journals

1) **Banda Srikanth**, Kumar, H., & Rao, K. U. M. (2017). "Embedded System Applications for Slope Stability Monitoring in Open-PIT Highwalls-An Appraisal". The Indian Mining and Engineering.

c) Expert lecture

Delivered expert lecture in **"Application of IoT and Smart Sensors in Mining"** conducted from 15-17th July 2021 by Engineering Staff College of India (ESCI), Hyderabad.

d) Programmes conducted

1. National level One weak online Faculty and Student workshop conducted with a topic of **"Arduino for engineering applications"** from 05.10.2020 to 10.10.2020. Sponsored by IIT Bombay Spoken tutorials.

2. National level two-day online workshop conducted on **"HDL coding, simulation and career opportunities in VLSI"** from 23-12-2020 to 24-12-2020.

e) Reviewer

1.   Acted as a reviewer forthe **"4ᵗʰ international conference on data engineering & communication technology"** conducted by KITSW from 25 -26 September 2020.

2.   Acted as a Session Chair for "**National Conference on Recent Trends in Intelligent Control Communications and Computing Technologies in Mining (RTIC³TM-2022)**" conducted by University College of Engineering, Kakatiya University, Kothagudem on 27ᵗʰ March-2022.

3.   Reviewer for Institute of scholars.

f) Awards
1. Elected as Research Excellence award-2021.

g) Member in Profession bodies
1. Member of Institute of scholars since 2021.

h) Associate Editor

Elected as an Associate editor for

1. Journal of Mines, Metals, and Fuels
2. Indian Journal of power & river valley development

(BANDA SRIKANTH)