



# ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY  
(ESTD, UNDER APPRIATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)  
Rajampet, Annamayya District, A.P-516126, INDIA

## Faculty Profile

### Basic Information:

NAME : Dr K BALA  
DESIGNATION : Associate Professor  
DEPARTMENT : CSE  
DATE OF BIRTH : 30/08/1978  
DATE OF JOINING : 24/09/2022  
EMAIL ID : kbalu443@gmail.com  
EMPLOYEE ID : 1658

### Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D.	Sri Satya sai University of Technology and Medical Sciences, Sehore	2021
M.Tech	Sri Kottam Thulasi Reddy Memorial College of Engineering, Kondair ,JNTUH	2012
B.Tech	JNTUA College of Engineering ,Ananthapur	2000

### Research Details:

1.Areas of Specialization		Wireless Communications
2.No.of Publications		6
3.Awards Received		
4.Research Guidance		
	No. of PhD Guided	2
	No .of M Tech. Guided	30 Students
	No. of B.Tech. Guided	28 Batches
5.Details of Professional Membership		—
6.SubjectsTaught		1.CO,2.DLD&CO,3.IOT,4.CSA,5.OS,6.CN,7.SS,8.DSP, 9.MWE,10.WC,11.EMTL ,12.AWP,13.STLD,14.EDC, 15.ECA,16.CMC,17.AC,18.DC



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## Publication Details:

Title	Publisher	Published Year
1. Covid-19 Diagnosis Using Privacy Preserving Data Monitoring: An Explainable AI Deep Learning Model with Block chain Security	Taylor & Francis	2025
2. Optimized attention neural network based joint link misalignment and beam divergence power optimization for underwater optical wireless communications	Springer	2024
3. Emotion Recognition Using Speech Processing	TELEMATIQUE	2024
4. A Hybrid Fusion model for Brain Tumor Images of Mri and CT	The international journal of analytical and experimental model analysis	2021
5. A study of Wireless heterogeneous networks with respect to Seamless Mobility and Security Provisioning	THE JOURNAL OF ORIENTAL RESEARCH MADRAS	2020
6. "A study of faster authentication and minimum latency during vertical handover	New Horizons	2019

## Patent Details:

Title of Patent	Submitted/Published/Awarded
1.MACHINE LEARNING-DRIVEN KIDNEY STONE DETECTION AND PREDICTION USING ULTRASONOGRAPHIC IMAGE PROCESSING"	<b>Published</b> in 2024
2.Enhanced Anomaly Detection in Cyber-Physical Systems via Spectrogram Optimization and Hybrid Learning Models	<b>Published</b> in 2025



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