

Name of Faculty Dr. SUMAN KSHIRSAGAR  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular



Date of Joining 20-09-2010

E-mail ksuman\_ece@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (ECE)	Awarded
PG	M. E(Communication Engineering)	First /Distinction
UG	AMIE	

Work Experience

Teaching	18 Years
Research	08 years
Industry	--
Others	

Area of Specialization Communication Engineering, Error Control Coding.

Professional Memberships Associate member of IOE, Licensed member of NIAR, FIETE, MISTE

Responsibilities held at Institution Level

1. Alumni Co-ordinator
1. Incharge of Departmental Accounts
2. Incharge of overall feedbacks from stake holders
3. Member, Course Expert Group
4. Worked as incharge of Salary statement.
5. Incharge of Microwave Lab.

Responsibilities held at Department Level

Research Guidance Guided ME Projects

Awards Received Science and Technology award for Research

Courses Handled at Under Graduate / Post Graduate Level. Electromagnetics, Antennas, Microwave Engineering, Satellite Communication, Radar and Satellite Communication, Satellite and Microwave Communications, Optical fiber Communication, Cloud Computing.

No. of Papers Published

National Journals – Nil	International Journals – 15
National Conference – 03	International Conference – 01

Projects Carried out --

Patents "Noise Adaptive Approach for Improving the Bit Error Rate (Ber) in Three Dimensional Turbo Codes", Dr K Suman and Dr D Krishna Reddy

Technology Transfer --

Invited Speaker

1. Guest lecture in one week Refresher Course on "Satellite Communications" organized by CMR Engineering College on 05-07-2017

No. of Books/Chapter Published with details

1. Advances in Antenna, Microwave and Communication Engineering, Scrivener Publishing LLC, ISBN 9781119791867 in April 2021

1. Participated in one week online NAAC Sponsored FDP on "Qualitative and Quantitative Approaches for Quality Assurance through Performance Indicators in Engineering Education", organized by Internal Quality Assurance Cell and Centre for Innovative Teaching Learning, Pune Institute of Computer Technology, Pune during 2nd May 2022 to 6th May 2022.

2. Participated in Joint FDP on "Research Methodology" from 18 -29th April, 2022 organized by E&ICT Academy at IIT Guwahati.

3. Participated in two day online workshop on "Python Numpy for beginners" conducted by Vikas group of Institutions during 15<sup>th</sup> -16<sup>th</sup> 2020.

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

4. Participated in one week FDP on "Future Nano Electronic Devices and Circuits" organized by MGIT during 6<sup>th</sup> -10<sup>th</sup> July 2020.
5. Successfully completed one week FDP on "Research opportunities in Image processing and Machine Learning" organized by CBIT during 29<sup>th</sup> June to 3<sup>rd</sup> July 2020.
6. Successfully completed three day FDP on "Antenna Design and Analysis using FEKO" organized by Gayatri Vidya parishad during 22<sup>nd</sup>-24<sup>th</sup> June 2020.
7. Successfully completed one week FDP on "Data Science using R" organized by MIST during 12<sup>th</sup> -17<sup>th</sup> June 2020.
8. Participated in two day FDP on "Effective Technical Report writing using LAEX" organized by MGIT during 8<sup>th</sup> -9<sup>th</sup> June 2020.
9. Successfully Completed one week FDP on "IOT Applications" organized by Vikas Group of Institutions during 1<sup>st</sup> – 5<sup>th</sup> June 2020.
10. Successfully completed one week FDP on "Machine Learning" organized by LBRCE during 1<sup>st</sup> – 5<sup>th</sup> June 2020.
11. Successfully Completed one week STTP on "Role of Artificial Intelligence in Electronics" organized by Satyabhama Engineering College during 1<sup>st</sup> – 5<sup>th</sup> June 2020.
12. Successfully Completed one week FDP on "OBE and accreditation process" organized by CBIT on 28-05-2020 to 01-06-2020.
13. Successfully completed one week FDP on "Cyber Security" organized by Vikas Group of Institutions during 23<sup>rd</sup> -27<sup>th</sup> May 2020.
14. Participated in online Training Program on "Omni directional Antenna using HFSS" organized by ANSYS on 15<sup>th</sup> May 2020.
15. Successfully completed a 6 week course on "Wireless communications for everybody" from Yonsei university through Coursera on 14<sup>th</sup> May 2020
16. Successfully attended India First Leadership Talk webinar with Prof D. P. Singh, Chairman UGC Broadcasted on 9th May, 2020 by MHRD's Innovation Cell.
17. Successfully completed course on "Machine Learning Onramp" conducted by Mathworks in May 2020.
18. Completed 12 week NPTEL course in NATE in January-April 2020
19. Completed 8 week NPTEL course in Fuzzy Logic and Neural Networks in February-April 2020
20. Completed 12 week NPTEL course in Microwave Engineering in July-October 2019
21. Completed 12 week NPTEL course in Antennas in January-April 2019.
22. Completed 12 week NPTEL course in Microwave Theory and Techniques in July-October 2018.

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

**International Journal 2017 onwards**

1. K Suman, "Reconfigurable Antennas and its recent developments", Volume-12 No.13 June 2021,ISSN(2333-2338), Turkish Journal of Computer and Mathematics Education.
2. K Suman and D Nagadevi, "Recent Developments in Switching Techniques of Reconfigurable Antennas", Volume 9, Issue 5, 2022, ISSN(1869-9391)GIS Science Journal.
3. D Nagadevi and K Suman", Face Emotion Recognition using Deep Learning", Volume XIII, Issue 8, 2021, ISSN No : 1006-7930, Journal of Xi'an University of Architecture & Technology.
4. Dr.K.Suman (2019) " Optimization of Speech signal for improving BER using Adaptive 3D Turbo Codes ", in IJRTE, volume 8 Issue 4.
5. Dr.K.Suman (2019) " Genetic Algorithm: An Adaptive Approach to Improve BER in Turbo Codes", in IJMERT, volume 6 Issue 1.
6. Dr.K.Suman (2019) "Performance verification of 3D Turbo Code and A3D Turbo Code using Noise Adaptive approach for BER performance in JETIR, volume 6 Issue 3.
7. Dr.K.Suman (2019) "Validation of heuristic Algorithms for improved BER performance" in IJCER, volume 9, Issue 3.
8. Dr.K.Suman (2019) "Simulation of Adaptive Third component Turbo Codes using Genetic Algorithm in IJEE, volume 11,issue 1.
9. Dr.K.Suman (2019) " Optimization of Heuristic Algorithms for improving BER of Adaptive Turbo Codes" in IJARET, volume 10 issue 2.
10. Dr.K.Suman (2019) " Analysis of A3D-TC for improving Bit Error Rate" in JETIR volume 6, issue 3.
11. Dr.K.Suman (2019) " Performance comparison of A3D Turbo Code with other turbo codes using

Noise adaptive approach" in IJRECE volume 7, issue 1.

12. Dr.K.Suman (2017) " Optimization of smart mesh MANET and recovery of link failure using channel assignment and routing" in IJRASET, volume 5, issue 11.
13. Dr.K.Suman (2017) " Concatenation and implementation of Reed-Solomon and Convolutional codes" in IJRITCC, volume 5,issue 6.