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	Completed

Work Experience

Teaching	19 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, IAENG
Responsibilities held at Institution Level	1. Alumni Co-ordinator
	2. AEC Coincharge
	3. Incharge of Departmental Accounts
	4. Incharge of overall feedbacks from stake holders
Responsibilities held at Department Level	5. Member, Course Expert Group
	6. Worked as incharge of Salary statement.
	7. Incharge of Microwave Lab.
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	One Project as Co-Investigator
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	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	Advances in Antenna, Microwave and Communication Engineering, Scrivener Publishing LLC, ISBN 9781119791867 in April 2021
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (**Attended and/or Organized**).	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 15th -16th 2020.
4. Participated in one week FDP on "Future Nano Electronic Devices and Circuits" organized by MGIT during 6th -10th July 2020.
5. Successfully completed one week FDP on "Research opportunities in Image processing and Machine Learning" organized by CBIT during 29th June to 3rd July 2020.
6. Successfully completed three day FDP on "Antenna Design and Analysis using FEKO" organized by Gayatri Vidya parishad during 22nd-24th June 2020.
7. Successfully completed one week FDP on "Data Science using R" organized by MIST during 12th -17th June 2020.
8. Participated in two day FDP on "Effective Technical Report writing using LAEX" organized by MGIT during 8th -9th June 2020.
9. Successfully Completed one week FDP on "IOT Applications" organized by Vikas Group of Institutions during 1st – 5th June 2020.
10. Successfully completed one week FDP on "Machine Learning" organized by LBRCE during 1st – 5th June 2020.
11. Successfully Completed one week STTP on "Role of Artificial Intelligence in Electronics" organized by Satyabhama Engineering College during 1st – 5th 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 23rd -27th May 2020.
14. Participated in online Training Program on "Omni directional Antenna using HFSS" organized by ANSYS on 15th May 2020.
15. Successfully completed a 6 week course on "Wireless communications for everybody" from Yonsei university through Coursera on 14th 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.