

Name of Faculty Dr. K.SUDERSHAN REDDY
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 25 – 07 - 1996
 E-mail sudarshanreddy_ece@cbit.ac.in



| Education Qualifications | Name of the Degree | Class |
|--------------------------|----------------------------|---------|
| Ph. D | Doctor of Philosophy (ECE) | Awarded |
| PG | M.E.(DSE)-ECE | First |
| UG | B. E. (ECE) | First |

Work Experience

| | |
|----------|----------------|
| Teaching | 31 Year |
| Research | -- |
| Industry | 1year 6 Months |
| Others | -- |

Area of Specialization Digital Systems Engineering

Professional Memberships Life Member : MISTE

Responsibilities held at Institution Level
 1. Convenor NSS
 2. Canteen committee member

Responsibilities held at Department Level
 1. Member Board of Studies,
 2. Member, Course Expert Group

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level.
 Pulse Digital and Switching Circuits, Electromagnetic Theory, Programming in C, Data and Computer Communication Networks, Microprocessor Based System Design, Microcontrollers, Embedded System Design, Electric Circuits, Signal Analysis and Transform Techniques, VHDL Programming, Verilog HDL Programming, Digital System Design, Automatic Control Systems,

No. of Papers Published National Journals – 00 International Journals – 04

National Conference – 00 International Conference – 03

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details --

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

1. Successfully Completed NPTEL 8 week FDP Course on “Embedded System Design with ARM” organized by IIT Kharagpur during Jan- Mar 2020.
2. Successfully Completed NPTEL 12 week FDP Course on “Control Engineering” organized by IIT Madras during Jan-April 2020.
3. Successfully Completed NPTEL 12 week FDP Course on “NBA Accreditation and Teaching - Learning in Engineering(NATE)” organized by IISC Bangalore during Jan-April 2020.
4. Successfully Completed NPTEL 8 week FDP Course on “Automatic Controls” organized by IIT Roorkee during Jan-Mar 2020.
5. Successfully Completed “Introduction to Internet of Things and Embedded Systems” an online non-credit course authorized by University of California Irvine offered through Coursera on 01-05-2020.
6. Successfully Completed “Interfacing with Arduino” an online non-credit course authorized by University of California Irvine offered through Coursera on 01-06-2020.
7. Successfully Completed “Arduino platform and C Programming” an online non-credit course authorized by University of California Irvine and offered through Coursera on 07-05-2020.
8. Successfully Completed “Programming for Everybody (Getting started with Python)” an online non-credit course authorized by University of Michigan and offered through Coursera on 08-05-2020.
9. Successfully Completed “Control of Mobile Robots” an online non-credit course authorized by University of Georgia Institute of Technology and offered through Coursera on 15-06-2020.
10. Successfully Completed 100% of the self paced training course “MATLAB OnRamp on 17-05- 2020.
11. Successfully Completed an online training on “Artificial Intelligence” organized by MSME Technology Development Centre (PPDC) from 27-04-2020 to 01-05-2020.
12. Successfully Completed an online training on “Internet of Things” organized by MSME Technology Development Centre (PPDC) from 27-04-2020 to 01-05-2020.
13. Successfully Completed an online training on “Introduction to Data Analytics” organized by MSME Technology Development Centre (PPDC) on 10-05-2020.
14. Successfully Completed an online certification Skill Development Program on” Digital system Design with Verilog and Vivado” organized by Sandeepani School of Embedded System Design (COREL Technologies) from 11-05-2020 to 15-05-2020.
15. Successfully Completed an online Short time Training Program on “MATLAB based Teaching-Learning in Mathematics, Science and Engineering ” organized by Dy Patil Deemed to be University , RAMRAO ADIK Institute of Technolgy from 18-05-2020 to 22-05-2020.
16. Successfully Completed an “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop” organized by IIT Bombay on 17-05-2020.
17. Successfully Completed a one week FDP on “ Outcome Based Education and NBA Accreditation Process-UG” organized by Chaitanya Bharathi Institute of Technolgy from 28-05-2020 to 01-06-2020.
18. Successfully Completed a one week FDP on “Research Opportunities in Image Processing and Machine Learning” organized by Chaitanya Bharathi Institute of Technolgy from 29-06- 2020 to 03-07-2020.

Details of Journal Publications/ Conferences (National and International)

International Journal from the year 2017

1. K Sudershan Reddy; Rahmatullah Md Khaja; Fahmeen Sameeha; Sultana Quddusa; D Krishna Reddy (2020), "Comparative Analysis of Serial and Parallel Satellite Positioning Algorithms for GPS and NavIC", © Springer Nature Singapore Pte Ltd. 2020, Lecture Notes in Electrical Engineering 601, pp.458-465.
2. Sana Fathima, Sudershan Reddy Kotla, Sameeha Fahmeen, Quddusa Sultana, D Krishna Reddy (2019), "Estimation and Analysis of Instrumental Biases for GPS and NavIC Satellites and Receivers", International Journal of Advanced Trends in Computer Science and Engineering, Volume 8 pp.391-394.
3. Sudershan Reddy Kotla, Sameeha Fahmeen, Quddusa Sultana and D. Krishna Reddy (2019), "Augmentation of NavIC with GPS Over Indian Region", International Journal of Advanced Trends in Computer Science and Engineering, Volume 8 pp.202-205.
4. Sudershan Reddy Kotla, Sameeha Fahmeen, Quddusa Sultana and D. Krishna Reddy (2019), "Augmentation of NavIC-11 with BeiDou-3 over Indian Region", Jour of Advanced Research in Dynamical and Control Systems, Volume 11 pp. 1667-1673.

International /National Conferences from the year 2017

1. Kotla, Sudershan Reddy; Fahmeen, Sameeha; Sultana, Quddusa; Reddy, D Krishna; Kondalwadi, Abilash Reddy (2019), "Augmentation of NavIC with BeiDou-2 Over Indian Region", IEEE, International Workshop on Antenna Technology (iWAT), Miami, U.S., pp. 189-192.
2. Kotla, Sudershan Reddy; Fahmeen, Sameeha; Sultana, Quddusa; Reddy, D Krishna; Kondalwadi, (2019), "Augmentation of Modernized CAPS with NavIC Over Indian Region", IEEE, IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT), pp. 1-5.
3. P.Sathish, D. Krishna Reddy, A.D. Sarma, Sudershan Reddy Kotla (2018), "Investigations of Doppler Collision Effects on NavIC" 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018), pp. 2324-2327.

