

Name of Faculty Dr. K.S.R.S. JYOTHSNA
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 11-07-2005
 E-mail jyothsna_ece@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy	Awarded
PG	ME – ECE (Comm. Engg)	Distinction
UG	B.Tech (ECE)	Distinction

Work Experience

Teaching	16 Years
Research	--
Industry	--
Others	--

Area of Specialization Navigation and Communication.

Professional Memberships Member IEEE, Member WIE

Responsibilities held at Institution Level

- Responsibilities held at Department Level
1. Member BoS, Department of ECE, CBIT
 2. Member Course Expert Group (CEG)
 3. Department Alumni Coordinator
 4. Lab In-charge for Communication Lab from 2007 to till date.
 5. Member Program Content Committee

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Analog Communication, Digital Communication, Global Positioning System, Principles of GNSS, Network Theory, Mobile Cellular Communication, Basic Circuit Analysis, Elements of ECE, Electronic Engineering – I. Wireless Mobile Communication.

No. of Papers Published National Journals – -- International Journals – 07
 National Conference -- International Conference – 02

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. “Certified LabVIEW Associate Developer (CLAD)” which is an internationally recognized certification by National Instruments (NI).
 2. An Alumni Talk on “HYBRID POSITIONING : GNSS AND 5G LOCALIZATION” to the VI Semester Students of Electronics and Communication Engineering on 11.07.2020 through online mode as a part of CBIT Alumni Theme for 2020, “The Knowledge Partners”.
 3. Co-Coordinator for One week online Faculty development program on “Research Opportunities in Image Processing and Machine Learning” from 29th June 2020 to 3rd July 2020 organized by Dept. of ECE, CBIT.
 4. Organized a 1 month “Intensive course on “Hands on LabVIEW” under LabVIEW School in the department for 33 students from 17th

January 2018 to 20th February 2018.

5. Attended a One Week Online Faculty Development Program on "Cyber Security" from 7th July to 12th July 2020 jointly organized by Dept. of CSE MGIT and Dept. of MCA CBIT in association with Supraja Technologies.



6. Attended a One Week Online Faculty Development Program on "Future Nano Electronic Devices & Circuits" from 6th to 10th July 2020, Dept. of ECE, MGIT Hyderabad.
7. Attended a 6-day FDP on "Disruptive Technologies in Electronics and Communications" from 22nd June to 27th June 2020 organized by Dept. of ECE in association with IETE Student Chapter of Vidya Jyothi Institute of Technology, Hyderabad.
8. Attended 1 - week FDP on "Design Thinking in Engineering Education" and secured Second Prize in the project presentation organized by CENTRE FOR PRESENCING AND DESIGN THINKING (CPADT) VNRVJIET, Hyderabad from 15th June to 19th June 2020.
9. Attended a 2-day online FDP on "Effective Technical Report Writing using LaTeX" organized by Dept. of ECE, MGIT on 8th and 9th June 2020.
10. Attended a 4-day FDP on "Machine Learning for Signal Processing" organized by Anurag University, Hyderabad from 5th June to 8th June 2020.
11. Attended 1 - week Faculty Development Program on "Outcome based Education and NBA Accreditation Process – (UG)" from 28/05/2020 to 1/6/2020 organized by CBIT.
12. Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020 during COVID-19 nationwide lockdown.
13. Attended a one week Faculty development program on "Outcome Based Education" from 11th to 15th May 2020 sponsored by AICTE under Margadarshan scheme.
14. One-day National level FDP -Webinar conducted on 02 May,2020 on "Fundamentals of writing a Research Paper" organized by St. Ann's Degree College for Women & St. Ann's P.G. College for Women Mallapur, Hyderabad.
15. Successfully completed the Online Course on "Yoga and Meditation" Conducted by Yoga Club & Extension Activity - Department of BBA (CA), Hindusthan College of Arts and Science, Coimbatore.
16. Attended a one day training on "CO-PO attainment computation and Outcome Analysis" organized by InPods Ed-Tech on 13th June 2020.
17. Online Training on "Data Science and Artificial Intelligence" which was Conducted from 1st to 3rd May 2020 by Gustovalley Technovations.
18. Online Training Program for Two days on "Android App Development for Embedded System" under Texas Instruments University Program in association with EdGate Technologies Pvt Ltd Bangalore on 25th and 26th April 2020.
19. Online Training Program for Three days on "Ultra Low Power System Design" Under Texas Instruments University Program in association with EdGate Technologies Pvt Ltd Bangalore from 17th to 19th April 2020.
20. One week Faculty Development Programme on "IoT for emerging applications" organized by E&ICT Academy IIT Guwahati in association with Dept. of ECE, CBIT held during 04 – 08 February 2020 at CBIT.
21. Attended a 1-week Faculty development Program on "Principles of GNSS, Applications and Research Areas" jointly organized by CBIT and Osmania University, Hyderabad during 4th June to 9th June 2018.
22. Attended a 1-week workshop on "My-DAQ and My-RIO" from 7th to 11th November 2017 at CBIT.
23. Attended a 4-day Faculty development course for Certified LabVIEW Associate Developer organized by Department of ECE during 21st – 24th Aug' 17.
24. Attended a one day training program by Maple soft and Binary Semantics at CBIT and completed "Maple soft Product Overview – Level1" in June 2017.
25. Participated in the one day National Webinar on "Statistical Analysis as an Interface In Engineering Problems" organized by the Department of Mathematics, CBIT on 13th July 2020.
26. Participated in the webinar on "Present Trends and Research

- scopes in 5G Wireless Communications” conducted by the Department of Electronics and Communication Engineering, GPREC, Kurnool on 27th and 28th June, 2020.
27. Participated in webinar on “Publishing Research Articles in Scopus Indexed Journals” conducted by CBIT - School of



- Management Studies on 24th June, 2020.
28. Participated in the one day International Webinar on “Flexible Energy Storage Devices” Jointly organized by Centre for Nano Science and Technology, IST, JNTU Hyderabad and Dayalbagh Educational Institute, Agra on 20th June 2020 under DST SERB and TEQIP III: Mentoring/Twinning system.
 29. Attended “Leadership Talk” with Mr. Shridhar Venkat, CEO (Akshay Patra Foundation) held on 20th Jun, 2020 by MHRD’s Innovation Cell.
 30. Attended a Webinar on “Research Challenges & Career Opportunities in VLSI” held on 6th June 2020 organized by Dept. of ECE, NBKR Institute of Science and Technology, Vidyanagar, Nellore, AP.
 31. Attended “Leadership Talk” by Mr Mahesh Babu, CEO Mahindra Electric Mobility Ltd. broadcasted on 4th June, 2020 by MHRD’s Innovation Cell.
 32. Attended “Leadership Talk” by Dr Nilesh N Oak, Expert (Indian Civilization & History) broadcasted on 30th May, 2020 by MHRD’s Innovation Cell.
 33. Attended a live Webinar on “Digital Transformation” by Mr.Craig Hansen Director, Applied Research and Development on 12th May 2020 organized by Storm Overseas.
 34. Attended “India First Leadership Talk webinar” by Prof D. P. Singh, Chairman UGC broadcasted on 9th May, 2020 by MHRD’s Innovation Cell.
 35. Attended a Webinar on “Awareness on IEEE” on 30th April 2020 organized by IEEE Hyderabad Section.
 36. Successfully completed “COVID-19: What You Need to Know (CME Eligible)” an online course authorized by Osmosis and offered through Coursera on 10th July 2020.
 37. An NPTEL online certification course “NBA Accreditation and Teaching - Learning in Engineering (NATE)” (12 Weeks) on the SWAYAM platform funded by Ministry of HRD.
 38. A 7-Week online Course on “Programming for Everybody (Getting Started with Python)” organized by University of Michigan through “Coursera Online Platform”.
 39. A 4-week online Course on “AI for Everyone” organized by deeplearning.ai through “Coursera Online Platform”.
 40. A 4-week online Course on “Cyber Security and Internet of Things” organized by University System of Georgia through “Coursera Online Platform”.
 41. A 3-week online Course on “Digital Signal Processing 2: Filtering” organized by EPFL through “Coursera Online Platform”.
 42. A 6-week online Course on “Wireless Communication for everybody” organized by Yonsei University through “Coursera Online Platform”.
 43. A 7-week online Course on “Introduction to Electronics” organized by Georgia Institute of Technology through “Coursera Online Platform”.
 44. Online certification course on “Core 1” by National Instruments (NI) sponsored by AICTE.
 45. Online certification course on “Core 2” by National Instruments (NI) sponsored by AICTE.
 46. Online certification course on “Core 3” by National Instruments (NI) sponsored by AICTE.
 47. Online certification course on “Creating Web applications using LabVIEW NXG” by National Instruments (NI) sponsored by AICTE.
 48. Online certification course on “Advanced Architectures in LabVIEW” by National Instruments (NI) sponsored by AICTE.
 49. Online certification course on “Data Acquisition Using NI-DAQmx and LabVIEW” by National Instruments (NI) sponsored by AICTE.
 50. Completed “Coronavirus - (COVID-19) Awareness Program” Organized by National Service Scheme (NSS), JNTUH College of Engineering, Jagtial on 28th May 2020.
 51. Completed “Coronavirus - (COVID-19) Awareness Program” Organized by National Service Scheme (NSS), JNTUK College of Engineering, Vizianagaram on 17th May 2020.

International/National Journals from the Year 2017

1. T. Aravinda Babu, K.S.R.S.Jyothsna, "IoT Based Human Health Monitoring System", International Journal

of Recent Technology and Engineering (JRTE) ISSN: 2277-3878, Volume-9 Issue-2, July 2020. (Scopus Indexed Journal)

2. K.S.R.S. Jyothsna, T. Aravinda Babu and Joseph Michael Murray, "PERFORMANCE COMPARISON OF TECHNIQUES FOR INTERFERENCE COORDINATION IN HETNETS OF LTE-A" in "International



Journal of Electrical Engineering & Technology (IJEET), Volume 11, Issue 4, June 2020, pp. 141–149; ISSN Print: 0976-6545 and ISSN Online: 0976-6553; (Scopus Indexed Journal)

3. K.S.R.S. Jyothsna, "Implementation and Testing of LTE Transmitter in Lab VIEW", in International Journal of Scientific Research and Reviews (IJSRR) April. – June., 2019, ISSN: 2279–0543, (UGC Approval No. 63179)
4. T. Aravinda Babu and K.S.R.S. Jyothsna, "IOT BASED SMART VEHICLE AND SMART PARKING SYSTEM" in UGC approved International Journal of Electrical Engineering & Technology (IJEET), Volume 09, Issue 3, (May-June 2018, ISSN Print: 0976-6545. ISSN Online: 0976-6553. (UGC approval Number: 43685)

International/National Conference Proceedings from the Year 2017

P. Naveen Kumar, R. P. Naraiah, KSRS. Jyothsna, T. S. N. Murthy and A. D. Sarma "Preliminary Performance Analysis of IRNSS in Sea Environment", Beacon Satellite Symposium 2019 University of Mazury and Olsztyn, Poland.

