

Name of Faculty EDIGA CHANDRASEKHAR
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 18 - 07 - 2012
 E-mail echandrasekhar_ece@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (ECE)	Pursuing
PG	M.E. (ES&VLSID)	First class
UG	B. Tech. (ECE)	First Class

Work Experience

Teaching	13 Years
Research	04 years
Industry	--
Others	--
Area of Specialization	Analog and Mixed Signal VLSI Design IETE -(M-502592)
Professional Memberships	IAENG- (131617)
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	1. In charge of Basic Electronics lab. 2. In charge Internships 3. Member Course Expert Group. 4. Worked for C2 for NBA, NAAC 5. In charge for student achievements.
Research Guidance	9 ME projects has been guided.

Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	Electronic Devices, Analog Circuits, IC Applications, Electronic Engineering-I, Electronic Engineering-II, Electronic Engineering, Basic Electronics, Elements of ECE, VLSI Technology, CMOS VLSI Design, VLSI Technology and Physical Design Automation.
No. of Papers Published	National Journals – 00 International Journals – 10 National Conference – 00 International Conference – 02
Projects Carried out	01
Patents	--
Technology Transfer	--
Invited Speaker	--
No. of Books Published with details	

Workshop Organized:

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

1. Co-ordinator of National conference on Advanced signal processing Embedded and Communication Systems, organized by Dept.of.ECE,CBIT, supported by TEQIP-II during August 11th and 12th 2016.
2. Co-ordinator of SYNAPSE-21, Supported by IEEE Student Branch CBIT and ISF, CBIT.
3. Organized Expert talk on "Security in Wireless Communications" on 03.03.2021.
4. Conducted Webinar on "Career Opportunities in the Aerospace and Defense Sector" under IEEE – Circuits and Systems

- Society – Students Branch Chapter on 26/06/2021.
5. Attended One Week Faculty Development Programme on “Artificial Intelligence for IoT Services in Cloud: Techniques & Applications” Organized by Dr B R Ambedkar National Institute of Technology, Jalandhar from 28th Feb - 4th March, 2022.
 6. Attended One Week Faculty Development Programme on “Blockchain assisted Federated Machine Learning for Securing Big Data Analytics and IoT” Organized by Dr B R Ambedkar National Institute of Technology, Jalandhar from 08th -12th April, 2022.
 7. Attended AICTE Sponsored one week online Short-Term Training Program on “Practical Exposure on Machine Learning and Data Science” Organized by Department of Electronics and Communication Engineering, GPREC(A), Kurnool from 13th September to 18th September 2021.
 8. Attended AICTE Sponsored one week online Short-Term Training Program on “Internet of things Machine learning” Organized by Department of Electronics and Communication Engineering, GPREC(A), Kurnool from 20th September to 25th September 2021.
 9. Attended one week Faculty Development Programme “Recent Trends in Robotics (RTR-2021)” Organized by Department of Mechanical Engineering, Vasavi College of Engineering 06th to 10th December 2021.
 10. Attended one day webinar on “Extreme Low power research projects” Organized by IETE on 13th march 2022.
 11. Attended One Week STTP on “FPGA based digital system design with HDL” Organized by Vel Tech Multi Tech Dr Rangarajan and Dr Sakunthala engineering college from 3-5-2021 to 8-5-2021.
 12. Attended One Week STTP on “EMERGING TRENDS IN VLSI TECHNOLOGY” Organized by Malla Reddy Engineering College for Women from 14th to 19th June, 2021.
 13. Attended One Week Faculty Development Programme on “Augmented Reality and Virtual Reality” Organized by AISSMS College of Engineering Pune from 21 to 25 June 2021.
 14. Participated in Three Day FDP on “Recent Trends in IC Design” Organized by Dept of ECE, VCE Hyderabad in Association with CoreEL Technologies during 29-06-2020 to 01-07-2020.
 15. Successfully Completed AI for Everyone an online non-credit course authorized by deeplearning.ai and offered by Stanford University through Coursera on 25/06/2020.
 16. Successfully Completed COVID-19: What You Need to Know (CME Eligible) an online non-credit course authorized by Osmosis and offered through Coursera on 25/06/2020.
 17. Participated in webinar on “Publishing Research Articles in Scopus Indexed Journals” conducted by CBIT - School of Management Studies on 24th June, 2020.
 18. Participated in One Week Online Faculty Development Program on “Outcome based Education and NBA Accreditation Process (UG) during 28-05-2020 to 01-06-2020, organized by Chaitanya Bharathi Institute of Technology, Hyderabad.
 19. 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.
 20. Successfully Completed “TCP/IP and Advanced Topics” a 5-Week online non-credit course authorized by University of Colorado and offered through Coursera on 18-05-2020.
 21. Successfully Completed “Peer-to-Peer Protocols and Local Area Networks” a 5-Week online non-credit course authorized by University of Colorado and offered through Coursera on 18-05-2020.
 22. Successfully Completed “Introduction to Electronics” a 7-Week online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 17-05-2020.
 23. Successfully Completed Wireless Communications for Everybody an online non-credit course authorized by Yonsei

- University and offered through Coursera on 17/05/2020.
24. Successfully Completed "Packet Switching Networks and Algorithms" a 5-Week online non-credit course authorized by University of Colorado and offered through Coursera on 17-05-2020.
 25. Successfully Completed "Fundamentals of Network Communications" a 5-Week online non-credit course authorized by University of Colorado and offered through Coursera on 17-05-2020.
 26. Successfully Completed "Introduction to Electronics" a 7-Week online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 17-05-2020.
 27. Attended a virtual classroom training on "ASIC Physical Design and Verification" conducted by Excel VLSI Technologies, Bangalore during 27-04-2020 to 02-05-2020.
 28. Attended a Five Days Online Faculty Development Programme on "Recent Communication Tools And Its Application" Organized by Department of Electronics and Communication Engineering from 19th to 23rd May, 2020 St. Martin's Engineering College Dhulapally, Secunderabad.
 29. Successfully completed the 'Effective and Efficient Online Teaching in the Age of Corona, A Hands on Workshop 'on 17 May 2020 and attended the interaction session and successfully completed both pre and post workshop online activities, involving 3 days of video lectures and hands-on work. This training was organized by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India.
 30. Attended all Leadership Talks held by MHRD's Innovation Cell.
 31. Successfully completed "NAAC Awareness Programme for Faculty" organized by Marathwada Mitra Mandal Institute of Technology (MMIT), Lohgaon, Pune - 47 conducted online during the period 08/05/2020 to 14/05/2020.
 32. Successfully completed a 12 Week NPTEL course "Integrated Circuits MOSFETs OP-Amps and their Applications", on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester.
 33. Successfully completed a 12 Week NPTEL course "NBA Accreditation and Teaching - Learning in Engineering (NATE)", on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester.
 34. Attended One-week Faculty Development Programme on "IoT for Emerging Applications" (04-08 Feb, 2020). An Initiative of Ministry of Electronics & Information Technology (MeitY), Government of India Electronics & ICT Academy IIT Guwahati, Assam, Organized in association with Chaitanya Bharathi Institute of Technology(A) Support from Finland Labs.
 35. Successfully Completed Credit Course on "Research Methodologies" organized JNTU Kakinada 1st to 17th May, 2019.
 36. Attended MHRD, Government of India Sponsored a one Week Program on "Development of Laboratory Instruction and Manual" organized by National Institute of Technical Teachers and Research, Kolkata 4th to 9th February 2019.
 37. Attended one day workshop "Significance of Sanskrit for Technological Research" organized by Geervana Bhararhi of CBIT on 8th Sep 2018.
 38. Attended one day workshop "Significance of Sanskrit for Technological Research" organized by Geervana Bhararhi of CBIT on 8th Sep 2018.

Details of Journal Publications/
Conferences (National and
International)

International Conference:

1. A.Navaneetha, E.Chandrasekhar ,G.Susmitha Reddy, "Implementation of high performance multiplier for portable devices" International Conference on Innovations in Computer Science and

Information Technology (ICICSIT-2015).

2. A.Navaneetha, E.Chandrasekhar ,G.Susmitha Reddy, "Design and implementation of a circuit using Reduced switching activity

International Journal :

1. P. Chandra Sekhar ,E.Chandrasekhar "Machine Learning-Based Human Detection and Recording from IoT Surveillance System", Gradiva Review Journal Volume 9 issue 4 April 2023 DOI:10.37897/GRJ (SCPOUS)
2. E.Chandrasekhar, K. Ramanjaneyulu "High Speed & Low Power Comparator Designs for Flash ADC" International Journal Of Special Education Vol.37, No.3, 2022.
3. E. Chandrasekhar , A. Apurva , R. Deepika , Jahnvi Byreddy "Vehicle Anti-Theft and Cloud Based Tracking System " International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) Volume 11, Issue 6, June 2022|ISSN: 2319-8753| (Impact factor 8.118) DOI:10.15680/IJIRSET.2022.1106325|
4. E.Chandrasekhar "Vehicle Health Monitoring System", International Journal of Creative Research Thoughts | Volume 9, Issue 6 June 2021 |ISSN: 2320-2882|(UGC Care)
5. E.Chandrasekhar, Sai Kiran Reddy Govindugari, Saiteja Donthineni, Charanteja Abbavathini."Smart Glove for Blind", International Journal for Research in Applied Science and Engineering Technology, Volume 9, Issue V Page No: 1093-1097| ISSN :2321-9653(Impact factor 7.429
6. E.Chandrasekhar, P. Chandra Sekhar "Plant monitoring system using image processing" IJIRSET Volume 10 issue 6 June 2021|ISSN: 2319-8753| Impact factor 7.569
7. N. Alivelu Manga, E.Chandrasekhar, P. Chandra Sekhar, "Design and Simulation of 12-bit Current Steering DAC", International Research Journal of Engineering and Technology (IRJET) (UGC Care) (Volume: 06 | Issue: 07 | July 2019)| (Impact factor 7.87)
8. PranayKumar Dasari1, DSaiHarsha, E.Chandrasekhar(2019) "Implementation of Low Cost Home Monitoring, Controlling and Security System using IoT", International Journal of Engineering Research & Technology (IJERT),VOLUME:8 Issue 06, ISSN: 2278-0181
9. Bhukya Shankar,E Chandra Sekhar (2018)"Delay, Power performance of 8-Bit ALU Using Carry Look-Ahead Adder with High Vt Cell", International Journal for Research in Applied Science & Engineering Technology (IJRASET), VOLUME:6 Issue 05, ISSN: 2321-9653
10. Syed Ali Imran Quadri, J Manikya Teja, E. Chandrasekhar(2017) "Traffic Monitoring System", International Journal of Engineering Trends and Technology (IJETT), VOLUME:48 Issue 05, ISSN: 2231-5381

