Name of Faculty	G. MALLIKHARJUNA RAO		
Designation	Assistant Professor		
Nature of Job/Appointment	Regular		
Date of Joining	28 - 06 - 2005		
E-mail	mallikarjunarao_ece@cbit.ac.in		

Education Qualifications	**Name of the Degree**	**Class**
Ph. D	Doctor of Philosophy (ECE)	Pursuing
PG	M. Tech. (ECE)	Distinction
UG	B. Tech. (ECE)	Second

Work Experience

Teaching	14 Years
Research	04 years
Industry	--
Others	--

Area of Specialization	Internet of Things, Embedded systems, Information security
Professional Memberships	IEEE membership no: 90765192
Responsibilities held at Institution Level	1. IEEE CBIT Student Branch counselor in CBIT from 01- 01 - 2013 to till date. 2. Faculty coordinator for Robotic Process Automation by Automation Anywhere (AAA) from 01-01-2019 to till date. 3. Faculty coordinator for Robotics & Innovation club (R & I) in CBIT 2017 to till date. 4. Worked as Faculty coordinator for Makers of India (MoI) in CBIT from 2015 to 2019. 5. Faculty coordinator for Cyber security from 29 -11- 2019 to till date. 6. Faculty coordinator for Internet of Things from 29 -11- 2019 to till date. 7. Faculty coordinator for RTTC-BSNL from 12-03-2020 to till date. 8. Faculty coordinator for ISRO-IIRS out reach programme from 28-06-2020 to till date. 9. Member of Publicity committee and decoration committee for SHRUTHI institute annual day celebrations.
Responsibilities held at Department Level	1. Coordinator for NI LabVIEW academy from 05-09-2017 to till date. 2. In-charge for computer centre/ Projects Lab.).
Research Guidance	No. of Scholars (Awarded/Progress) --
Awards Received	
Courses Handled at Under Graduate / Post Graduate Level.	Internet of Things, Microprocessors, Microcontrollers, Computer Organization and Architecture, Embedded systems, Embedded system design, Real Time Opearating Systems, Signals and Systems, Digital Signal Processing, Digital Signal Processing

No. of Papers Published	National Journals –	Nil	International Journals –	04
	National Conference –	Nil	International Conference –	03

Projects Carried out	1. Project on "Bus Tracking System" by kernelsphere. 2. Project on "AI transformer" by kernelsphere.
Patents	--
Technology Transfer	--
Invited Speaker	1. Delivered a lecture on "Property node and Invoke node", in an intensive course on "Hands on LabVIEW" under LabVIEW academy school held during 17th Jan – 20th Feb'18. 2. Delivered a lecture on "Local variables and global variables", in an intensive course on "Hands on LabVIEW" under LabVIEW academy school held during 17th Jan – 20th Feb'18.
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. Organized an industrial visit to RTTC-BSNL, hyderabad, held on 22nd Feb 2020.
3. Organized a workshop on "Bluetooth Controlled Bot", by R&I club held on 15th feb 2020.
4. Organized a workshop on "Line Follower", by R&I club held on 01st feb 2020.
5. Organized a workshop on "Introduction to Robotics: DPDT bot", by R&I club held on 27th jan 2020
6. Organized a national event "ROBOVANZA - 2k19", IEEE CBIT student branch and R& I club CBIT, held during 13th -14th Sep 2019.
7. Organized a seminar on "Wireless Channel Modeling of Drone-Ground link" by R&E cell and IEEE CBIT student Branch held on 30th Aug 2019.
8. Organized a guest lecture on "Vikram lander; Chandrayana 2", by IEEE CBIT student Branch held on 11th Nov 2019.
9. Organized a industral visit to RTTC-BSNL, hyderabad, held on 26th Nov 2019.
10. Organized a two-day workshop on "Hands on myDAQ and myRIO using LabVIEW", by the department of ECE, held during 13th - 14th Nov 2019.
11. Organized an event on "Star Program: Visits to School" by IEEE CBIT student branch, held on 2nd & 7th Marchch 2019
12. Organized an event on "Spectrum talk-4: Hardware Security ", by IEEE CBIT student branch, held on 15th Marchch 2019.
13. Organized an event on "Spectrum talk-3: DBMS ", by IEEE CBIT student branch, held on 18th Feb 2019.
14. Organized an event on " Membership Drive ", by IEEE CBIT student branch, held on 13th Feb 2019.
15. Organized an event on "Spectrum talk-2: Web Technologies ", by IEEE CBIT student branch, held on 11th Feb 2019.
16. Organized an event on "Spectrum talk-1: Machine Learning ", by IEEE CBIT student branch, held on 4th Feb 2019.
17. Organized a national level program "Robovanza 2k18 ", by IEEE CBIT student branch and R& I club held on 28th - 29th Sept 2018.
18. Organized a workshop "Robotics ", by IEEE CBIT student branch, held on 15th Sept 2018.
19. Organized an event on "IEEE Membership Drive ", by IEEE CBIT student branch, held on 5th Sept 2018.
20. Organized an Awareness program on "Virtual Reality", by IEEE CBIT student branch, held on 18th Aug 2018.
21. Organized an Intensive course on "Hands on LabVIEW", organized by Dept. of ECE, Under LabVIEW Academy school held during 17th Jan – 20th Feb 18.
22. Organized a "PCB Design" workshop, Under IEEE student branch in association dept. of ECE and Prayog Labs, 10th March 18.
23. Organized an "Smarcht India Hackathon -2018" awareness workshop, under AICTE in association with CBIT, 9th Jan 18.
24. Organized an "NIAR Industry visit", Under IEEE student branch in association dept. of ECE and NIAR, 6th Jan 18.
25. Organized a Seminar on "Amateur Radio", Under IEEE student branch in association dept. of ECE and NIAR, 28th July17.
26. Organized an Industrial visit to SHAR 27th- 29th Marchch 2017 for BE students.
27. Organized a technical fest on "Carpediem Paper Presentation" for BE students during 24th - 25th March 2017.
28. 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.
29. Attended an online quiz "E - Quiz on MATLAB" with Passing Score of 100%, organized by Dept. of Electronics and Communication Engineering, G. Pulla Reddy Engineering College (Autonomous), Kurnool, conducted during 9th - 13th June 2020.
30. A One Week Online Faculty Development Program on "Outcome Based Education and NBA Accreditation Process", 28th May - 01st June 2020.
31. Attended a Online certification skill development program on "Digital System Design with Verilog and Vivado", held from 11th May to 15th May 2020, by Sandeepani School of Embedded System Design, Bangalore.
32. A one-week FDP on "INTERNET OF THINGS", from 27 April 2020 to 01st May 2020 Ministry of Micro, Small & Medium Enterprises Government of India Organization Foundry Nagar, Agra-282 006 (U.P.)
33. A Three days FDP on "Ultra Low Power System Design" held on17th to 19th April 2020 Under Texas Instruments University Program in association with EdGate Technologies Pvt Ltd Bangalore.
34. A Three days FDP on " Designing FPGA's Using the Vivado Design Suite", held from 8th June to 10th June 2020, by Sandeepani School of Embedded System Design, Bangalore.
35. 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.
36. A four days FDP on Working on Arduino UNO /Raspberry PI Interfacing with

LabVIEW from 04th - 07th JUNE 2020.

37. Attended 1 - week Faculty Development Program on "Outcome based Education and NBA Accreditation Process – (UG)" organized by CBIT, from 28th May 2020 to 1st June 2020.

38. Attended an online Short-Term Training Program on "MATLAB based Teaching-Learning in Mathematics, Science & Engineering". Department of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with DesignTech Systems Pvt. Ltd., Mumbai during 18th to 22nd May 2020.

39. Attended an Online Training Program for Three days on "Ultra Low Power System Design" held during 17th - 19th April 2020, Under Texas Instruments University Program in association with EdGate Technologies Pvt Ltd Bangalore.

40. A 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.

41. A One-week Faculty Development Programme on "Train the Trainee" organized by Automation Anywhere (AAA) held during 20th – 24th jan 2020 at Bangalore.

42. Attended a National workshop on "wireless communications" held during 21st - 22nd Jan 2019 at CRRao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS), HCU, Hyderabad Indian Telephone Industry limited.

43. Attended a "MATLAB EXPO-2019" at Hitex, Hyderabad by MATHWorks held during 31st Mar 2019.

44. Attended a three-day training program on "Robotic Process Automation" held during 18th – 21st Mar 2019 Organized by   Training and Placement CBIT in association with Automation Anywhere (Robotic Process Automation).

45. Attended a one-week National workshop on "5G Wireless Communications" held during 29th May to 3rd June, 2019 at NIT-Warangal E&ICT Academy.

46. Organized a program on "IEEE Membership Drive" held on 5th September 2018 organized by IEEE CBIT Student branch in association with department of ECE.

47. Organized a workshop on "Robotics" held on 15th September 2018 by Robotics and Innovation Club.

48. Organized a national level program on "Robovanza 2018" under SUDHEE '18 held during 28th – 29th September 2018.

49. Attended a Workshop on "Hands on myDAQ and myRIO", organized by Dept. of ECE Under LabVIEW Academy school, 6th - 11th Nov 17.

50. Attended a 1-week Faculty Development workshop on "Internet of Things" organized by NIT, Warangal, held during 5th - 10th June 2017.

51. Attended a Faculty development course on "Certified LabVIEW Associate Developer", organized by Dept. of ECE 21st – 24th Aug 17.

52. Attended a 4-week "Orientation course" organized by HCU, Hyderabad during Nov 20th - 23rd Dec 2016.

53. Attended a 1-week Faculty Development Program on "Embedded systems" organized by ESCI, Hyderabad at CBIT.

54. Attended a 1-week Faculty Development Program on "Smart Technologies and Emerging Trends" organized by ESCI, Hyderabad at JNTU.

55. Attended a 2-day Seminar on "Sparse Signal Processing and Comprehensive sensing" organized by NERTU, OU.

56. Attended a 2-day workshop on "LABVIEW" Organized by IETE, Hyderabad.

57. Attended a 2-week Refresher Course on "Real Time Signal Processing" organized by AICTE in association with Dept. of ECE, CBIT, Hyderabad.

58. Attended the Faculty development programme on "Project Management Skills" Organized by Cognizant Hyderabad.

59. Attended a webinar on "Publishing Research Articles in Scopus Indexed Journals" conducted by CBIT - School of Management Studies on 24th June, 2020.

60. Attended Leadership Talk with Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment), by MHRD's Innovation Cell, held on 13th June 2020.

61. Attemped an online Quiz on "Bloom's Taxonomy" held on 31 may 2020.

62. Attended Leadership Talk with Dr. Nilesh N Oak, Expert (Indian Civilization & History) held on 30th May 2020 Dr. Abhay Jere (Chief Innovation Officer-MHRD Innovation Cell, Govt. of India)

63. Attended Leadership talk With Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd. India's First Leadership Talk Series Session with Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd. by MHRD's Innovation Cell.

64. Attended an Online certification skill development program on "Digital System Design with Verilog and Vivado", held from 11th May to 15th May 2020, by Sandeepani School of Embedded System Design, Bangalore.

65. Attended an Online Webinar on "Physical design in VLSI and Challenges" held on 12th June 2020, in association with CoreEL Technologies and Mentor.

66. An NPTEL online certification course "NBA Accreditation and Teaching - Learning in Engineering (NATE)" (12 Weeks) on the SWAYAM platform

funded by Ministry of HRD.

67. An NPTEL online certification course "Introduction to Internet of Things" (12 Weeks) on the SWAYAM platform funded by Ministry of HRD.
68. An NPTEL online certification course "Embedded System Design with ARM" (8 Weeks) on the SWAYAM platform funded by Ministry of HRD.
69. A 7-Week online Course on "Programming for Everybody (Getting Started with Python)" organized by University of Michigan through "Coursera Online Platform".
70. Online certification course on "DIAdem Advanced" by National Instruments (NI) sponsored by AICTE.
71. Online certification course on "DIAdem Basics" by National Instruments (NI) sponsored by AICTE.
72. Online certification course on "LabVIEW Communications 802.11 Application Framework" by National Instruments (NI) sponsored by AICTE.
73. Online certification course on "Creating Web Applications using LabVIEW NXG" by National Instruments (NI) sponsored by AICTE.
74. Online certification course on "LabVIEW Channel Wire Communication" by National Instruments (NI) sponsored by AICTE.
75. Online certification course on "Advanced Architectures in LabVIEW" by National Instruments (NI) sponsored by AICTE.
76. Online certification course on "Data Acquisition Using NI-DAQmx and LabVIEW" by National Instruments (NI) sponsored by AICTE.
77. Online certification course on "LabVIEW NXG Core 2: Create User-Driven Applications" by National Instruments (NI) sponsored by AICTE.
78. Online certification course on "LabVIEW Core 1" by National Instruments (NI) sponsored by AICTE.
79. Online certification course on "LabVIEW Core 2" by National Instruments (NI) sponsored by AICTE.
80. Online certification course on "LabVIEW Core 3" by National Instruments (NI) sponsored by AICTE.

International/National Journals from the Year 2017

1. G.Mallikharjuna Rao, "Information Security using Cryptography and Image Steganography",International Journal of Recent Technology and Engineering, Vol. 9, Issue. 2, pp. 383-392, 2020.
2. K. Navya Sree, G.Mallikharjuna Rao "IoT Based Low Cost and Ageing Healthcare Monitoring System", International Journal of Engineering and Advanced Technology Vol. 9, Issue. 6, pp. 6-14, 2020.
3. G.Mallikharjuna Rao, "IoT based design and implementation of WSN smart home automation intelligent system using flask web server", International Journal of Engineering & Technology, Vol. 7 Issue. 4, pp. 6358 - 6366, 2019.
4. G.Mallikharjuna Rao, "Detecting Disease via Quadcopter for Paddy Crop Using Image Processing", International Journal Of Research In Electronics And Computer Engineering, Vol. 6, Issue. 2, pp. 1920-1932, 2018.

International/National Conference Proceedings from the Year 2017

1. G.Mallikharjuna Rao, K.Deergha Rao, "A Scheme for Latency Analysis of Different Cryptography Methods for Security in 5G Era", IEEE 5th International Conference for Convergence in Technology (I2CT), pp.1-5, 2019.
2. G.Mallikharjuna Rao, P.Srinivas, "Performance Analysis of Different Spatial Domain Methods for Traffic Control Using Image Processing: A LabVIEW Approach", IEEE International Conference on Wireless Communications, Signal Processing, pp. 534-539, 2018.
3. G.Mallikharjuna Rao, K.Deergha Rao, "Performance Analysis of Different Transform Methods for Image Steganography: A LabVIEW approach", IEEE 4th International Conference on Electrical Energy Systems (ICEES), pp. 534-539, 2018.