

Name of Faculty Dr. G. Mallikharjuna Rao  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 29-06-2005  
 E-mail Mallikarjunarao\_ece@cbit.ac.in



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

Work Experience

Teaching	15 Years
Research	05 years
Industry	--
Others	--

Area of Specialization Internet of Things, Embedded systems, Information security

Professional Memberships

IEEE membership no: 90765192  
 IETE membership no: F-502593

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. Faculty coordinator for Cyber security from 29 -11- 2019 to till date.
5. Faculty coordinator for Internet of Things from 29 -11- 2019 to till date.
6. Faculty coordinator for RTTC-BSNL from 12-03-2020 to till date.
7. Faculty coordinator for ISRO-IIRS Outreach program from 28-06-2020 to till date.
8. Member of the Publicity and decoration committees for SHRUTHI Institute annual day celebrations.

Responsibilities held at Department Level

1. Worked as Faculty coordinator for Makers of India (MoI) in CBIT from 2015 to 2019.
2. Coordinator for NI LabVIEW academy from 05-09-2017 to till date.
3. In-charge for Computer Centre/ Projects Lab.).

Research Guidance --

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 Operating Systems, Signals and Systems, Digital Signal Processing, Digital Signal Processing

No. of Papers Published National Journals – Nil International Journals – 23  
 National Conference – Nil International Conference – 04

Projects Carried out

1. Project on “Bus Tracking System” Kernel sphere
2. Project on “AI transformer” by kernel sphere.
3. Project on “Gas sensor flow” by Skylark

Patents --

Technology Transfer --

Invited Speaker

1. Delivered a guest lecture on "IEEE Membership" held on 26th April 2022 organized by the IEEE CBIT student branch in association with the Department of ECE, CBIT.
2. 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.
3. 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

1. G Mallikharjuna Rao, "Determination of Information Security Using Cryptography and Image Steganography", Advanced Aspects of Engineering Research, <https://doi.org/10.9734/bpi/aaer/v16/9851D>, 2021.

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

1. Attended a Annual IIRS outreach meet & IIRS Academia meet "IIRS-ISRO OUTREACH PROGRAMME AS A COORDINATOR OF NETWORK INSTITUTE", held during 27th & 28th March 2023 organized by IIRS-ISRO Outreach Programme, Dehradun.
2. Attended a Workshop on "Designing and Modelling of IoT, AI & ML Systems", held during 1st - 5th August 2023 organized by AICTE, ATAL Academy, Arm Education and STMicroelectronics.
3. Attended a workshop on "Capacity building program on UAVs and UGVs", held on 19th July 2022 organized by ACIC-CBIT in association with IIT Hyderabad
4. Attended a workshop on "Drone Hands-on Training", held during 12th - 16th September 2022 organized by Chitkara University Institute of Engineering and Technology Punjab.
5. Attended a workshop on "Scope for Interdisciplinary Research", held on 6th May 2022 organized by Research & Development Centre and Department of IT, CBIT(A). Attended a two-day program on "CII Corporate Governance Summit 2022" 8th – 9th April 2022, organized by National foundation corporate governance, CII, New Delhi.
6. Attended a two-week Faculty Development Program on "Advanced Machine Learning – Applications and Challenges", held from 18th to 29th April 2022, organized by KITS Markapur and E&ICT NIT Warangal.
7. Attended a two-day program on "Intermediary Guidelines and Data Privacy", held on 22<sup>nd</sup> April organized by CII, New Delhi.
8. Attended a one-week Faculty development programme on "Drone Hands-on Training", held during 12th -16<sup>th</sup> September 2023, conducted by Chitkara University Institute of Engineering and Technology.
9. Organized a one-day program on "Membership drive" held on 26<sup>th</sup> April 2022 organized by IEEE CBIT student branch in association with Department of ECE, CBIT.
10. Attended a course on "Designing and Modelling of IoT, AI & ML Systems" held during 1st August to 5th August 2022, conducted by AICTE, ATAL Academy, Arm Education and STMicroelectronics.
11. Attended a course on "Capacity building program on UAVs and UGVs", held during 19th July 2022, conducted by ACIC CBIT R&E Foundation.
12. Attended a seminar on "Scope for Interdisciplinary Research", held during 6th May 2022, conducted by Research & Development Centre and Department of IT, CBIT (A).
13. Attended a Two Weeks Faculty Development Program on "Artificial Intelligence & Machine Learning Using Python", held during 05th - 16th April 2021 organized by Finland Labs.
14. Attended a "One Week Faculty Development Program", held during 23rd - 27th March 2021 organized by Finland Labs.

15. Attended a AICTE sponsored One week FDP on "Hands on project-based approach of 5G Design & Development (Phase -III)" held during 18th – 23rd Jan 2021 organized by Dept. of ECE, KITS, Warangal
16. Attended a AICTE sponsored One week FDP on "Hands on project-based approach of 5G Design & Development (Phase -II)" held during 14th – 19th Dec 2020 organized by Dept. of ECE, KITS, Warangal
17. Attended a Three-day FDP "Vivado Advanced Xilinx Design Constraints & Static Timing Analysis" held during 22nd – 24th Oct 2020 organized by Sandeepani school of ESD, Bangalore.
18. Attended a One week FDP on "IoT Using Raspberry pi", held during 14th – 18th Sep 2020 organized by Finland Labs & IIT Roorkee.
19. Attended a Two Day FDP on "Technical writing & presentation with Latex", held during 29th & 30th 2020 organized by VIT Vellore.
20. Attended a Webinar on "Data science", held on 26th August 2020 organized by Edulib.in.
21. Attended a One week FDP on "Recent Advances in communications and signal processing" held during 24th – 29th Aug 2020 organized by Dept. of ECE, JNTU kakinada UCE, Vizianagaram.
22. Attended a One week FDP on "Exploring the Advanced FPGA's for partial Reconfiguration & ESD" held during 10th – 15th Aug 2020 organized by Dept. of ECE SNIST & Corel Tech.
23. Attended a Webinar on "Patent prosecution challenges strategies in India", held on 25th July 2020 organized by 25th July 2020.
24. Attended a One week FDP on "Research opportunities in Image processing and Machine learning", held during 29th June – 3rd July 2020 organized by Dept. of ECE, CBIT.
25. Organized a one day Industrial visit to RTTC-BSNL on 22nd Feb 2020.
26. Organized a Workshop on "Bluetooth Controlled Bot" on 15th Feb 2020 under R&I club
27. Organized a Workshop on "Line Follower" by R&I club on 01st Feb 2020 under R&I club
28. Organized a Workshop on "Introduction to Robotics: DPDT bot" on 27 Jan 2020 under R&I club
29. Organized a National event "ROBOVANZA - 2k19" by IEEE CBIT student branch and R& I club CBIT held on 13th to 14th Sep 2019
30. Organized a Seminar on "Wireless Channel Modeling of Drone-Ground link" by R&E cell and IEEE CBIT student Branch on 30th August 2019.
31. Organized a Guest lecture on "Vikram lander; Chandrayan 2", by IEEE CBIT student Branch on 11 Nov 2019.
32. Organized a Workshop on "Hands on MyDAQ and MyRIO using LabVIEW" by the dept. of ECE held during 13th to 14th Nov 2019.
33. Attended a Webinar on "Publishing Research Articles in Scopus Indexed Journals" held on 24th June 2020, School of Management Studies, CBIT.
34. Attended a Webinar on "Physical design in VLSI and Challenges" held on 12th June 2020 conducted by CoreEL Technologies and Mentor.
35. Attended a Three days FDP on "Designing FPGA's Using the Vivado Design Suite" held during 08th to 10th June 2020 conducted by Sandeepani School of Embedded System Design, Bangalore.
36. Attempted a Quiz on "Blooms Taxonomy" held on 31 May 2020, conducted by Department of Science and Humanities, MLRIT.



37. Attended a One Week Online Faculty Development Program on "Outcome Based Education and NBA Accreditation Process" held on 28th May 2020 to 01st June 2020 conducted by CBIT.
38. Attended a one week Short-Term Training Program on "MATLAB based Teaching-Learning in Mathematics, Science & Engineering" held during 18th to 22nd May 2020 to 22nd May 2020 conducted by Ramrao Adik Institute of Technology, Nerul, Navi Mumbai, sponsored by Design Tech Systems Pvt. Ltd.
39. Attended a one week Skill development program on "FUN with FPGA" held during 12th to 16th May 2020 conducted by Sannketh Mithra.
40. Attended a one week Online certification skill development program on "Digital System Design with Verilog and Vivado" held during 11th to 15th May 2020 conducted by Sandeepani School of Embedded System Design, Bangalore.
41. Attended a one-week FDP on "Internet Of Things" held during 27th April 2020 to 01st May 2020 conducted by Ministry of Micro, Small & Medium Enterprises sponsored by Government of India Organization Foundry Nagar, Agra.
42. Attended a Three days FDP on "Ultra Low Power System Design" held on 17th – 19th April 2020 conducted by Texas Instruments University Program in association with EdGate Technologies Pvt Ltd Bangalore.
43. Attended a Four days FDP on Working on "Arduino UNO /Raspberry PI Interfacing with LabVIEW" held during 4th to 7th April 2020.
44. Attended a Four days FDP on Working on "Arduino UNO /Raspberry PI Interfacing with LabVIEW" held during 04th to 07th April 2020 conducted by Techfluent.
45. Attended a One-week Faculty Development Programme on "IoT for emerging applications" held during 04th to 08th Feb 2020 conducted by Dept. of ECE, CBIT sponsored by E&ICT Academy IIT Guwahati.
46. Attended a National workshop on "wireless communication" held on 21st & 22 Jan 2020 conducted by AIMSCS), HCU, Hyderabad sponsored by Indian Telephone Industry limited.
47. Coordinated an online 87th IIRS Outreach Programme on "Global Navigation Satellite System" held during 13th – 24th Sept 2021 organized by IIRS ISRO Dehradun, Uttarakhand.
48. Coordinated an online 84th IIRS Outreach Programme on "Geospatial Modelling for Watershed Management" held during 02nd – 06th Aug 2021 organized by IIRS ISRO Dehradun, Uttarakhand.
49. Coordinated an online 82nd IIRS Outreach Programme on "Machine learning to Deep Learning: A journey for remote sensing data classification" held during 5th - 9th July 2021 organized by IIRS ISRO Dehradun, Uttarakhand.
50. Coordinated an online 81st IIRS Outreach Programme on "Overview of Web GIS Technology", held during 21st June – 2nd July 2021 organized by IIRS ISRO Dehradun, Uttarakhand.
51. Coordinated an online 80th IIRS Outreach Programme on "Earth Observation (EO) for Carbon Cycle Studies", held during 21st – 25th June 2021 organized by IIRS ISRO Dehradun, Uttarakhand.
52. Coordinated an online 76th IIRS Outreach Programme on "GIS for Supply Chain Management", held during 26th – 30th April 2021 organized by IIRS ISRO Dehradun, Uttarakhand.
53. Coordinated an online 75th IIRS Outreach Programme on "Geoinformatics for Disaster Management", held during 5th – 16th April 2021 organized by IIRS ISRO Dehradun, Uttarakhand.

54. Coordinated an online 73rd IIRS Outreach Programme on "Overview of Geo-processing using Python", held during 18th – 29th January 2021 organized by IIRS ISRO Dehradun, Uttarakhand.
55. Coordinated an online 72nd IIRS Outreach Programme on "Remote Sensing of Land Degradation" held during 1st – 7th Dec 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
56. Coordinated an online 70th IIRS Outreach Programme on "Basics of Geocomputation and Geoweb Services" held during 19th – 29th October 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
57. Coordinated an online 69th IIRS Outreach Programme on "RS & GIS Applications" held during 2nd – 20th Nov 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
58. Coordinated an online 68th IIRS Outreach Programme on "RS & GIS Applications" held during 28th Sep – 15th Oct 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
59. Coordinated an online 67th IIRS Outreach Programme on "Understanding of Coastal ocean processes using Remote Sensing and Numerical Modelling" held during 21st – 25th Sep 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
60. Coordinated an online 66th IIRS Outreach Programme on "Global Navigation Satellite System" held on 14th Sep 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
61. Coordinated an online 65th IIRS Outreach Programme on "Remote Sensing and Digital Image Analysis" held on 17th Aug - 11th Sep 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
62. Coordinated an online 64th IIRS Outreach Programme on "Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System" held on 17th Aug – 20th Nov 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
63. Coordinated an online 63rd IIRS Outreach Programme on "RS Applications in Agricultural Water Management" held on 3rd -7th Aug 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
64. Coordinated an online 62nd IIRS Outreach Programme on "Geospatial Inputs for Enabling Master Plan Formulation" held on 27th – 31st July 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
65. Coordinated an online 60th IIRS Outreach Programme on "Application of Geoinformatics in Ecological Studies" held on 13th – 24th July 2020 organized by IIRS ISRO Dehradun, Uttarakhand.
66. Attended a One-week Faculty Development Programme on "Train the Trainee" held during 20th to 24th Jan 2020.
67. "Certified LabVIEW Associate Developer (CLAD)" which is an internationally recognized certification by National Instruments (NI).
68. Organized an industrial visit to RTTC-BSNL, Hyderabad, held on 22nd Feb 2020.
69. Organized a workshop on "Bluetooth Controlled Bot", by R&I club held on 15th Feb 2020.
70. Organized a workshop on "Line Follower", by R&I club held on 01st Feb 2020.
71. Organized a workshop on "Introduction to Robotics: DPDT bot", by R&I club held on 27th Jan 2020.
72. Organized a national event "ROBOVANZA - 2k19", IEEE CBIT student branch and R&I club CBIT, held during 13th-14th Sep 2019.
73. 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.
74. Organized a guest lecture on "Vikram Lander; Chandrayana 2", by IEEE CBIT student Branch held on 11th Nov 2019.

75. Organized a industrial visit to RTTC-BSNL, hyderabad, held on 26th Nov 2019.
76. Organized a two-day workshop on "Hands on myDAQ and myRIO using LabVIEW", by the department of ECE, held during 13th- 14th Nov 2019.
77. Organized an event on "Star Program: Visits to School" by IEEE CBIT student branch, held on 2nd & 7th March 2019
78. Organized an event on "Spectrum talk-4: Hardware Security ", by IEEE CBIT student branch, held on 15th March 2019.
79. Organized an event on "Spectrum talk-3: DBMS ", by IEEE CBIT student branch, held on 18th Feb 2019.
80. Organized an event on " Membership Drive ", by IEEE CBIT student branch, held on 13th Feb 2019.
81. Organized an event on "Spectrum talk-2: Web Technologies ", by IEEE CBIT student branch, held on 11th Feb 2019.
82. Organized an event on "Spectrum talk-1: Machine Learning ", by IEEE CBIT student branch, held on 4th Feb 2019.
83. Organized a national level program "Robovanza 2k18 ", by IEEE CBIT student branch and R & I club held on 28th - 29th Sept 2018.
84. Organized a workshop "Robotics ", by IEEE CBIT student branch, held on 15th Sept 2018.
85. Organized an event on "IEEE Membership Drive ", by IEEE CBIT student branch, held on 5th Sept 2018.
86. Organized an Awareness program on "Virtual Reality", by IEEE CBIT student branch, held on 18th Aug 2018.
87. Organized an Intensive course on "Hands on LabVIEW", organized by Dept. of ECE, Under LabVIEW Academy school held during 17th Jan – 20th Feb 18.
88. Organized a "PCB Design" workshop, Under IEEE student branch in association dept. of ECE and Prayog Labs, 10th March 18.
89. Organized an "Smarcht India Hackathon -2018" awareness workshop, under AICTE in association with CBIT, 9th Jan 18.
90. Organized an "NIAR Industry visit", Under IEEE student branch in association dept. of ECE and NIAR, 6th Jan 18.
91. Organized a Seminar on "Amateur Radio", Under IEEE student branch in association dept. of ECE and NIAR, 28th July 17.26. Organized an Industrial visit to SHAR 27th - 29th March 2017 for BE students.
92. Organized a technical fest on "Carpediem Paper Presentation" for BE students during 24th - 25th March 2017.
93. 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.
94. 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.
95. A One Week Online Faculty Development Program on "Outcome Based Education and NBA Accreditation Process", 28th May - 01st June 2020.
96. 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.
97. 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.)
98. A Three days FDP on "Ultra Low Power System Design" held on 17th to 19th April 2020 Under Texas Instruments



- University Program in association with EdGate Technologies Pvt Ltd Bangalore.
99. 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.
  100. 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.
  101. A four days FDP on Working on Arduino UNO /Raspberry PI Interfacing with LabVIEW from 04th- 07th JUNE 2020.
  102. 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.
  103. 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.
  104. 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.
  105. 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.
  106. A One-week Faculty Development Programme on "Train the Trainee" organized by Automation Anywhere (AAA) held during 20th– 24th Jan 2020 at Bangalore.
  107. 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.
  108. Attended a "MATLAB EXPO-2019" at Hitex, Hyderabad by MATHWorks held during 31st Mar 2019.
  109. 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).
  110. Attended a one-week National workshop on "5G Wireless Communications" held during 29th May to 3rd June, 2019 at NIT-Warangal E&ICT Academy.
  111. Organized a program on "IEEE Membership Drive" held on 5th September 2018 organized by IEEE CBIT Student branch in association with department of ECE.
  112. Organized a workshop on "Robotics" held on 15th September 2018 by Robotics and Innovation Club.
  113. Organized a national level program on "Robovanza 2018" under SUDHEE '18 held during 28th – 29th September 2018.
  114. Attended a Workshop on "Hands on myDAQ and myRIO", organized by Dept. of ECE Under LabVIEW Academy school, 6th - 11th Nov 17.
  115. Attended a 1-week Faculty Development workshop on "Internet of Things" organized by NIT, Warangal, held during 5th - 10th June 2017.
  116. Attended a Faculty development course on "Certified LabVIEW Associate Developer", organized by Dept. of ECE 21st – 24th Aug 17.
  117. Attended a 4-week "Orientation course" organized by HCU, Hyderabad during Nov 20th - 23rd Dec 2016.

118. Attended a 1-week Faculty Development Program on “Embedded systems” organized by ESCI, Hyderabad at CBIT.
119. Attended a 1-week Faculty Development Program on “Smart Technologies and Emerging Trends” organized by ESCI, Hyderabad at JNTU.
120. Attended a 2-day Seminar on “Sparse Signal Processing and Comprehensive sensing” organized by NERTU, OU.
121. Attended a 2-day workshop on “LABVIEW” Organized by IETE, Hyderabad.
122. Attended a 2-week Refresher Course on “Real Time Signal Processing” organized by AICTE in association with Dept. of ECE, CBIT, Hyderabad.
123. Attended the Faculty development programme on “Project Management Skills” Organized by Cognizant Hyderabad.
124. Attended a webinar on “Publishing Research Articles in Scopus Indexed Journals” conducted by CBIT - School of Management Studies on 24th June, 2020.
125. Attended Leadership Talk with Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment), by MHRD’s Innovation Cell, held on 13th June 2020.
126. Attended an online Quiz on “Bloom’s Taxonomy” held on 31 May 2020.
127. 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.
128. 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.
129. Attended an Online Webinar on “Physical design in VLSI and Challenges” held on 12th June 2020, in association with CoreEL Technologies and Mentor.
130. An NPTEL online certification course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (12 Weeks) on the SWAYAM platform funded by Ministry of HRD.
131. An NPTEL online certification course “Introduction to Internet of Things” (12 Weeks) on the SWAYAM platform funded by Ministry of HRD.
132. An NPTEL online certification course “Embedded System Design with ARM” (8 Weeks) on the SWAYAM platform funded by Ministry of HRD.
133. A 7-Week online Course on “Programming for Everybody (Getting Started with Python)” organized by University of Michigan through “Coursera Online Platform”.
134. Online certification course on “DIAdem Advanced” by National Instruments (NI) sponsored by AICTE.
135. Online certification course on “DIAdem Basics” by National Instruments (NI) sponsored by AICTE.
136. Online certification course on “LabVIEW Communications 802.11 Application Framework” by National Instruments (NI) sponsored by AICTE.
137. Online certification course on “Creating Web Applications using LabVIEW NXG” by National Instruments (NI) sponsored by AICTE.
138. Online certification course on “LabVIEW Channel Wire Communication” by National Instruments (NI) sponsored by AICTE.
139. Online certification course on “Advanced Architectures in LabVIEW” by National Instruments (NI) sponsored by AICTE.



140. Online certification course on "Data Acquisition Using NI-DAQmx and LabVIEW" by National Instruments (NI) sponsored by AICTE.
141. Online certification course on "LabVIEW NXG Core 2: Create User-Driven Applications" by National Instruments (NI) sponsored by AICTE.
142. Online certification course on "LabVIEW Core 1" by National Instruments (NI) sponsored by AICTE.
143. Online certification course on "LabVIEW Core 2" by National Instruments (NI) sponsored by AICTE.
144. Online certification course on "LabVIEW Core 3" by National Instruments (NI) sponsored by AICTE.

Details of Journal Publications/  
Conferences (National and  
International)

**International Conference : 03**

1. G. Mallikharjuna Rao, K. Deerga Rao, (2019) "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.
2. G. Mallikharjuna Rao, P. Srinivas, (2018) "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. 1-5.
3. G. Mallikharjuna Rao, K. Deerga Rao, (2018) "Performance Analysis of Different Transform Methods for Image Steganography: A LabVIEW approach", IEEE 4th International Conference on Electrical Energy Systems (ICEES), pp. 534-539.

**National /International Journal : 07**

1. G Mallikharjuna Rao, "Implementation of Low Cost IoT Based Intruder Detection System by Face Recognition using Machine Learning", Turkish Journal of Computer and Mathematics Education (TURCOMAT), vol. 12 ,pp. 353-362, 2021.
2. G Mallikharjuna Rao, Akshith Aluguri, Medidi Ajay Srikar, " Design and Implementation of Autonomous Vehicle with Lane Tracking and Sign Detection using Machine Learning", Design Engineering, pp. 182-204, 2021.
3. G Mallikharjuna Rao, "Implementation Of Movement Detection And Tracking Objects From Video Frames Using Image Processing", Turkish Journal of Computer and Mathematics Education (TURCOMAT),vol. 12, 1860-1868, 2021.
4. 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.
5. G.Mallikharjuna Rao , K. Navya Sree, "IoT Based Low Cost and Ageing Healthcare Monitoring System", International Journal of Engineering and Advanced Technology Vol. 9, Issue. 6, pp. 6-14, 2020.
6. 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.
7. 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