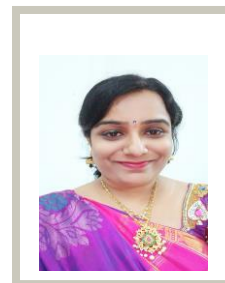


# Dr. B. HARIKA

## Associate Professor



Education Qualifications: Doctor of Philosophy (CSE)  
Specialization: Information security and computer networks

### ADDRESS:

- D – Block -Room No -302

### JNTUH ID:

87150406-174454

### EMAIL:

[bharika\\_it@mgit.ac.in](mailto:bharika_it@mgit.ac.in)

### DATE OF JOINING:

28-08-2023

### EXPERIENCE - 15 Years

- Teaching - 15
- Research -7
- Industry -1

### SUMMARY:

- Publications - 6
- Conferences - 7
- Patents – 4
- Books – 4
- Honors/Awards-3

### EVENTS:

- Organized - 12
- Attended - 45

## Membership of Professional Bodies:

1. All India Council for Technical Skill Development (AICTSD), 43043.
2. National Testing Agency (NTA) reg.no:NTA-TAO-32178.
3. International Association of Engineers (IAENG), 294464.
4. ISOC (Internet Society) member, 2260767.
5. IET (The Institute of Engineering and Technology), 1101096874.
6. CSTA (Computer Science Teachers Association), 198358012609.
7. SIPH (Scientific International Publishing House), 20230025.

## Previous Administrative and Department Responsibilities:

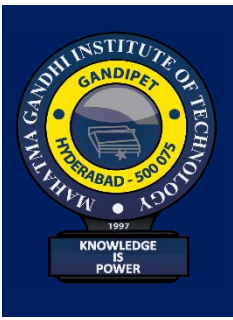
- Worked as a criterion incharge for NBA and NAAC.
- Worked as a team member in NBA (National Board of Accreditation) Dept in for CSE VREC 2016 to 2017.
- Acted as mentor for B Tech & M Tech level.
- Conducted several project and technical seminars.
- Acted as coordinator for several technical and cultural fests.
- Prepared time tables for class work and labs.
- Having experience as external examiner and evaluator for final exams.
- Prepared lesson plans, course material and lab manuals for B.Tech.

## Responsibilities Held at Department Level:

- Mini & Major Project guide.
- Mentor.
- Panel member for UG projects.

## Awards/Achievements:

1. Got SIPH International Scientific Research Excellence Award in 2023
2. Got 4<sup>th</sup> SAAP International Scientific BEST SENIOR FACULTY OF THE DECADE AWARD IN 2022.
3. Got best Professor Award in Dec 2021.
4. Acted several times as OBSERVER for NEET 2021, 2022, 2023.
5. Acted several times as Observer for JEE mains 2021, 2022.
6. Ratified as **Assistant Professor** with PH.D in CSE department at AVIH, Hyderabad.
7. Ratified as an **Assistant Professor** in the Department of CSE at



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VREC, Nizamabad.

8. Appointed as an External Examiner for M.Tech and B.Tech Program for VREC.
9. Providing instructions to all B. Tech & M. Tech students on all years in various subjects.
10. Guided 20 B .Tech projects and 4 M. Tech projects.

### Books Published:

1. Enterprise IOT (First Author) ISBN:9798885692249.
2. The Internet of things-Case Study & its Applications ISBN:9789394002715.
3. An Introduction IOT and Big Data ISBN:9789394002883.
4. Advanced Computer Networks ISBN:9789394304369.

### Patents:

1. Design no.388650-001, class15-7 “**Portable Biomedical Refrigerator**” **Granted Patent 2023**
2. **Sr. No.221 Icm**, “Performance: Increase The Cache Memory Performance Using Nural Networks,Machine Learning”.
3. Sr. No.**202041014970**, “A Method Of Emotional Component And Interpersonal Cognitive Detection Of A Person Using Machine Learning”.
4. Sr. No.**202041017824**, “**Failure Prediction And Prevention Manufacturing Industry Equipments And Process Using Digital Twins Modeling**”.

### Courses Handled at Under Graduate Post Graduate Level:

**UG:** Data Communications & Computer Networks.

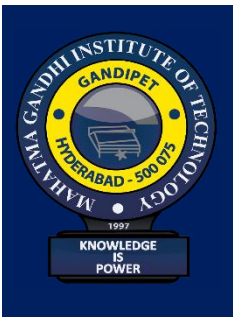
- Cryptography and Network Security.
- Internet of Things.
- Software Engineering.
- Mobile Communications.
- Design Patterns, UML, MFCS and IT workshop.
- Object Oriented Programming.
- Operating Systems.
- Principles of Programming Languages.
- Cloud computing.

**PG:** Advanced computer networks.

- Image and video analytics.

### Publications:

1. **B. Harika** 2017, “SDN VIRTUALIZATION NETWORK WITH HYPERVISOR PLACEMENTPROBLEM”, Aero International Journal of Engineering and Computer Science Volume XIII, ISSN: 2320-3714, Impact Factor 0.75 to 3.19.
2. **B. Harika** 2016, “A NAIVE CONTROL ARCHITECTURE OF



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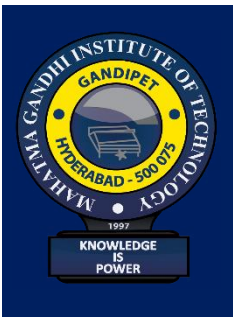
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SOFTWARE DEFINED NETWORK” in international journal of Advances in Arts, Sciences & Engineering (IJOAASE) June 2016, Volume 4, ISSUE: 9, ISSN: 2320-6136(print), ISSN: 2320-6144(online).

3. **B. Harika**, 2020, “A DESIGN OF SOFTWARE DEFINED NETWORKING JURSTIC USING BLOCKCHAIN TECHNOLOGY” International journal of analytical and experimental modal analysis VOLUME XII, ISSUE VI, JUNE/2020, ISSN NO :0886-9367.
4. **B. Harika**, 2020 “COLLABORATION OF IOT USING SDN WITH DATA MINING” ISBN NO.978-93-80831-66-4, JUNE/2020.
5. **B. Harika** “A ROBUST DATA AGGREGATION TECHNIQUE FOR SUSTAINABLE WSN COMMUNICATION” Journal of Interdisciplinary Cycle Research, Volume XIV, Issue X, October/2022,ISSN NO: 0022-1945.
6. **B.Harika** “LOCATION-BASED ENERGY-AWARE AND ANONYMOUS ROUTING PROTOCOL” The International journal of analytical and experimental modal analysis , Volume XV, Issue I, January/2023, ISSN NO: 0886-9367.

### Conferences:

1. **B. Harika** “**An Integration Design Model For Virtual Product Development**” PAPER in IEEE Mysore Con 2022-2<sup>nd</sup> Edition of the Flagship international Conference Series of IEEE Mysuru Subsection in association with IEEE Bangalore Section hosted by JSS Science and Technology University, Mysuru partnered(Academic)with Nitte Meenakshi Institute of Technology, Bengaluru during 16<sup>th</sup> &17<sup>th</sup> October2022.
2. **B. Harika** “**Face Recognition Technique based Student Attendance Management System**” 6th International Conference on Intelligent Computing and Control Systems, ICICCS 2022; Vaigai College Engineering (VCE)Madurai; India; 25 May 2022 through 27 May 2022; Category numberCFP22K74-ART; Code 179922
3. **B. Harika** “**CONGESTION MANAGEMENT OF CGSTEB ROUTING PROTOCOL USING K- MEANS ALGORITHM IN WIRELESS SENSOR NETWORK**” international conference on “TECHNOLOGIES FOR SMART GREEN CONNECTED SOCIETY 2021” on 29&30 nov 2021.
4. **B. Harika.** “**COLLABORATION OF IOT USING SDN WITH DATA MINING**” Virtual International Conference on “Recent Trends in Computer Science and Information Technology” organized by Departments of Computer Science and Engineering &Information Technology, St. Martins Engg. College in association with Computer Society of India on 17<sup>th</sup> &18<sup>th</sup> June,2020.
5. **B. Harika** “**DETECTING PHISHING WEBSITE USING PATTERN MINING**” 1st International Conference on



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Frontiers in Materials and Smart System Technologies, FMSST 2019; Tamil Nadu; India; 10 April 2019 through; Code 152747.

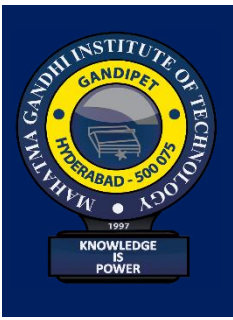
6. **B. Harika** “**SOFTWARE DEFINED NETWORK CONTROLLERS IN NETWORK VIRTUALIZATION**” The International Conference (ISBN-13:978-1522941347) On “Current Research in Emerging Trends of Engineering, Technology, Management, Arts, Sciences, Education Pharmacy& Medical” 17&18 Jan 2016.
7. **B. Harika.** “**DYNAMIC FLOW RULES IN SOFTWARE DEFINED NETWORK**” in the international conference on “Latest Research Trends in Engineering, technology, management, arts, sciences, education, pharmacy, law& medical sciences” ISBN-13:78-1533617309, 25&26 JUNE 2016.

### Projects Guided/Current Research Projects:

1. Number of B.Tech Projects Guided: **35**
2. Number of M.Tech Projects Guided: **4**
3. Title: “**QUANTAM SAFE ALGORITHMS FOR SAFEGUARDING BLOCK CHAINS**”.
4. Title: “**EFFECT OF SOFTWARE DEFINED NETWORKS FOR PRIVATE BLOCKCHAINS**”.
5. Title: “**HOSTEL ROOM ALLOCATION SITE**”
6. Title: “**URL PHISHING DETECTION**”
7. Title: “**EMPLOYEE RETENTION PREDICTION**”
8. Title: “**AI Powered Collaborative Chat APP**”
9. Title: “**EMOJIFY USING FACIAL EMOTION DETECTION**”
10. Title: “**SMART HOSPITAL MANAGEMENT SYSTEM**”
11. Title: “**ALL IN ONE E-COMMERCE APP**”
12. Title: “**TASK FAILURE PREDICTION IN CLOUD DATA CENTERS USING DEEP LEARNING**”.

### STTP/Workshops & Training:

1. Workshop on “**Cloud Fog and Edge Computing Platforms for Industrial IOT**” from 25-27<sup>th</sup> oct 2021 by Department of Artificial Intelligence and Data Science In MEPCO Schlenk Engineering College, Sivakasi.
2. STTP, “**Sensor Networks &IOT Applications Using Python**” from 9<sup>th</sup> august to 14<sup>th</sup> august 2021, AICTE sponsored



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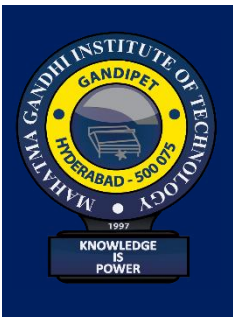
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by Srinivasa Institute Of Engineering And Technology, Amalapuram.

3. STTP, “**Block Chain and its applications**” from 10<sup>th</sup> to 15<sup>th</sup> June 2020, organized by CSC Department Vignan Nirula in Association with Braine vision Solutions India Pvt Ltd.
4. Workshop on “**Women in Cyber Security and Privacy in 2020**” from 6<sup>th</sup> to 10<sup>th</sup> July 2020 organized by Departments of CSC and IT in Association with CYBER PSY, St. Martins “Engineering College.
5. Workshop on “**BLOCK CHAIN TECHNOLOGY**” on 02-11-2019 organized by SIT JNTUH.
6. Workshop on “**Machine Learning E-work shop**”, Braino vision, during 27<sup>th</sup> to 29<sup>th</sup> May 2020.
7. Remote Learning (on-line training), “**Virtual Classroom management using Microsoft Teams**”, 11/05/2020, CSC Department of Lakireddy Balireddy College of Engineering.

### FDPS And Webinars:

1. Participated in a Five-day AICTE FDP on “**Inculcating Universal Human Values in / Technical Education**” by AICTE from December 05 to December 09.
2. National Webinar on “**Indian Economy-A kaleidoscope Of 75 Years**” organized by NMSM government college kalpetta, Kerala on 3-11-2020.
3. FDP on “**Cyber Security Applications And Opportunities For Start –Ups In Digital Era**”, NITTEMeenakshi Institute Of Technology, Karnataka ,4<sup>th</sup> October To 8<sup>th</sup> October 2021.
4. FDP on “**Artificial Intelligence using Python** “Braino vision Solutions india Pvt. Ltd, 14<sup>th</sup> – 19<sup>th</sup> Sept2020.
5. FDP on “**Emerging Trends in Computer Science and Information Technology**” Kommuri Prathap Reddy Institute of Technology, Hyderabad, 29<sup>th</sup> June to 4<sup>th</sup> July 2020
6. FDP on “**Acquisition of Programming Knowledge**” REVA University Bangalore, 7<sup>th</sup> to 13<sup>th</sup> July 2020.
7. Webinar on “**Beginning with Machine Learning**” organized by Avanthi Group of CollegesHyderabad and Vijayawada, 1<sup>st</sup>-2<sup>nd</sup> July 2020.
8. FDP on “**Natural Language Processing behind Data Science**”, CODE GNAN IT solutions, BonamVenkat Chalamayya Institute and Technology and Science, 22<sup>nd</sup> to 26<sup>th</sup> June 2020.



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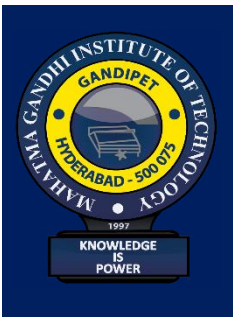
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- Organized - 12
- Attended - 45

9. FDP on “**Emerging Trends in Sciences-usage of Tools and Techniques**”, Vardhaman College of Engineering, Hyderabad, 15<sup>th</sup> to 20<sup>th</sup> June 2020.
10. Webinar on “**Cyber Security**”, Bharath Institute of Engineering and Technology, Hyderabad, 17<sup>th</sup> to 18<sup>th</sup> June 2020.
11. FDP on “**Data Science Using R Programming**”, Mahaveer Institute of Science and Technology, IT Department in Association with WEBTEK Labs, 12<sup>th</sup> to 17<sup>th</sup> June 2020.
12. FDP on “**TAXONOMY of Software Related to Mathematical Sciences**”, Gokaraju Gangaraju Institute of Technology-Hyderabad, 9<sup>th</sup> to 14<sup>th</sup> June 2020.
13. Webinar on “**Getting industry ready with AI,ML Robotics and IOT Technologies**” Dr.M.C.Saxsena Group of Colleges Lucknow, 13<sup>th</sup> June 2020
14. FDP on “**Artificial Intelligent and Machine Learning for Engineering Applications**” VNR Vignana Jyothi Institute of Engineering Technology Hyderabad, 8<sup>th</sup> to 12<sup>th</sup> June 2020.
15. FDP on “**Recent Trends in computing**”, NMREC, 5<sup>th</sup>-10<sup>th</sup> June 2020.
16. FDP on “**Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel cell Technology for E-vehicle**”, Bapatla Engineering College, 1<sup>st</sup> -5<sup>th</sup> June 2020.
17. Webinar on “**Emotional connection with Employees**” NIMS-USA on 3<sup>rd</sup> June 2020.
18. FDP on “**Cyber Security**”, Bapatla Engineering College, Supraja Technologies 2<sup>nd</sup>- 6<sup>th</sup> June, 2020.
19. FDP on “**Material recent trends and Engineering Applications**”, Gokaraju Gangaraju Institute of Engineering and Technology, 2<sup>nd</sup>-7<sup>th</sup> June 2020.
20. Webinar on “**Microsoft Office 365 Education**”, SNK FOMRA Institute of Technology - AICTE, Chennai, 1<sup>st</sup> of June 2020.
21. Remote Learning Webinar, “**Programming for Beginners Python**” DVR & Dr. HS MIC College of Technology, kanchikacherla, Krishna Dist., Andhra Pradesh, India, 30<sup>th</sup>-31<sup>st</sup> May 2020.
22. Webinar on “**NANO the tiny warrior**”, Kongu Engineering College Tamilnadu, 30<sup>th</sup> May, 2020.
23. Webinar on “**Writing Proposals for funding Agencies project design and project proposals**” organized by Department of Commerce, Rathinam college of arts and sciences Coimbatore on 29<sup>th</sup> May 2020.



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24. FDP on “**One Day Online FDP on Data Science Using Machine Learning Algorithms**”, SVR Engineering College, JNTUA Kurnool, 26<sup>th</sup> May 2020.
25. FDP on “**Life literature and Media**” Visual Communication, Hyderabad, 25<sup>th</sup> to 30<sup>th</sup> May 2020.
26. FDP on “**Python Programming and Machine learning Techniques**” KSR College of Engineering Tamil Nadu, 18<sup>th</sup>-29<sup>th</sup> May 2020.
27. Webinar on “**Recent Trends in Computer Science Research**” Sri vasavi college, ERODE, 26<sup>th</sup> May 2020.
28. FDP on “**Artificial Intelligence**” Vignana Bharathi Engineering College in Collaboration with BrainoVisitions sol. Pvt Ltd, 22<sup>nd</sup> to 26<sup>th</sup> May 2020.
29. Webinar on “**NODE .js**” Lakireddy Balireddy College of Engineering-JNTUK, 17<sup>th</sup> May 2020.
30. Webinar on “**Micro Services Architecture Training Program**”, Lakireddy Balireddy College of Engineering JNTUK, 16<sup>th</sup> May 2020.
31. Webinar on “**Project management webinar 2.0 –Feasibility study in project management –A case study**” Lakireddy balireddy college of Engineering, 16<sup>th</sup> May 2020.
32. FDP on “**IPR Awareness**” Keyway Research Hyderabad, 13<sup>th</sup> May 2020.
33. FDP on “**Insights into Quality Research and Innovation**”, Institutions Innovation Council of Vivekananda College of Engineering for Women, Hyderabad, 13<sup>th</sup> May 2020.
34. Webinar on “**Webinar on Virtual Class Room Management using Microsoft Teams**” Lakireddy Balireddy College of Engineering JNTUK, 11<sup>th</sup> May, 2020.
35. Webinar on “**Cloud Computing in digital world**” Organized by Vignana Bharathi Department of Electronics & Communication Engineering, 6<sup>th</sup> May, 2020.
36. FDP-AICET, “**Block Chain Technology**”, UGC-Human Resource Development Center, JNTUH, 27<sup>th</sup>–31<sup>st</sup> Jan 2020.
37. FDP-AICETE “**Machine and Deep Learning**” JNTUH under TEQIP-III, 7<sup>th</sup>&8<sup>th</sup> Jan 2020.
38. FDP-AICTE, “**Artificial Intelligence**”, UGC-Human Resource Development Center, JNTUH, 02<sup>nd</sup>06<sup>th</sup> Dec, 2019.