Mr. A. Ratna Raju
Assistant Professor

Education Qualifications:	Master of Engineering (CSE)
Specialization:	Computer Science and Engineering

ADDRESS:
- D – Block -Room No:D-109

JNTUH ID:

33150404-131938

EMAIL:

aratnaraju_cse@mgit.ac.in

DATE OF JOINING:

17-07-2007

EXPERIENCE - 14 Years
- Teaching - 14
- Research - 06

SUMMARY:
- Publications - 6
- Conferences - 2

EVENTS:
- Organized – 4
- Attended - 6

LET'S MEET ON SOCIAL:

- https://www.linkedin.com/
  in/ratna-raju-b68175179/

Membership of Professional Bodies:

1. Life Member of International Association of Engineers (IAENG)275265.

Responsibilities Held at Institution Level:

1. Coordinator - (LOCF) learning Outcome based Curriculum Framework for Undergraduate Education from 19-02-2022 to till date.
2. Student Bus In charge – From 2016 to till date.

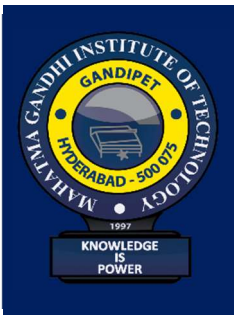## Responsibilities Held at Department Level:

1. Time Table In charge, from 2019 to 2021.
2. Two

Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** Operating Systems, Machine Learning, Digital Logic Design, Web Services, Software Testing Methodologies
- **PG:** Machine Learning

Publications:

1. **A.Ratna Raju**, G.Nagi Reddy, "A Real Time Image Inverse and Training Process for Future Multi-Media Application with RFO Machine Learning Technique", Design Engineering, Issue: 6, Pages: 2084 – 2100, June 2021
2. G.Nagi Reddy, **A.Ratna Raju**, "MIMR System with One-Bit Quantization with Bough & Bound Pre-Coding Technique", Design Engineering, Issue: 6, Pages: 2112 – 2122, June 2021
3. S.Rooban, V. Subba Ramaiah, **A. Ratna Raju,** G. Nagi Reddy, K Saikumar "MEMS-Based Energy Efficient Gas Metering Sensor for Smart Home Applications", Journal of Green Engineering (JGE) Volume-11, Issue-2, February 2021, 1339-1347.
4. **Raju, Ayalapogu Ratna**, Suresh Pabboju, and Ramisetty Rajeswara Rao. "Hybrid active contour model and deep belief network based approach for brain tumor segmentation and classification." *Sensor Review* (2019). (SCIE, Scopus)
5. **Raju, A. Ratna**, P. Suresh, and R. Rajeswara Rao. "Bayesian HCS-based multi-SVNN: A classification approach for brain tumor segmentation and classification using Bayesian fuzzy clustering." Biocybernetics and Biomedical Engineering 38.3 (2018): 646-660. (SCIE, Scopus)
6. **Ayalapogu, Ratna Raju**, Suresh Pabboju, and Rajeswara Rao Ramisetty. "Analysis of dual tree M-band wavelet transform based features for brain image classification." *Magnetic resonance in medicine* 80.6 (2018): 2393-2401. (SCIE, Scopus)

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Conferences:

1. Ratna Raju A, Suresh Pabboju, R.Rajeswara Rao ,Hybrid Deep Learning approach for brain tumor segmentation and classification, International Conference on Distributed Computing and Optimization Techniques, June 25th-26th,2021

2. Rathna Raju A, Suresh Pabboju, R.Rajeswara Rao, Brain Image Classification Using Dual Tree M-Band Wavelet Transform and Naive Bayes Classifier, 5th International Conference on Green Technologies for Power generation, Communication and Instrumentation (ICGPC 2019) - 3rd & 4th April 2019

No. of Books/Chapter Published with details:

1. Ratna Raju A., Pabboju S., Rajeswara Rao R. (2020) Brain Image Classification Using Dual-Tree M-Band Wavelet Transform and Naïve Bayes Classifier. In: Solanki V., Hoang M., Lu Z., Pattnaik P. (eds) Intelligent Computing in Engineering. Advances in Intelligent Systems and Computing, vol 1125. Springer, Singapore. https://doi.org/10.1007/978-981-15-2780-7_69

Events Organized:

FDPs/STTPs:

1. National Level Two Days Online Workshop on Free and Open Source alternative for Web Conferencing and Teaching Learning

2. One-week Online International Webinar/FDP on RELEVANCE OF MATHEMATICS TO CORE-ENGINEERING SCIENCES

3. International Faculty Development Programme on THE ROLE OF LINEAR ALGEBRA IN MACHINE LEARNING, ARTIFICIAL INTELLIGENCE & DATASCIENCE

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. National Level Webinar on "Crafting Quality Research for Academic Excellence"

Events Attended

FDPs/STTPs:

1. Online FDP on "Artificial Intelligence " organized by Dept of CSE, GNITS in Association with Brain O Vision from 22-6-20 to 26-06-20
2. Online FDP on "Cyber Security" organized by NIT, Nagaland in Association with ATAL Academy from 1-6-20 to 5-06-20
3. Online FDP on "Artificial Intelligence&Machine Learning" organized by Dept of CSE, CMR Technical from 18-5-20 to 22-05-20
4. Online STTP on "Recent trends in Data Sciences & Information Security" organized by Dept of CSE, DY Patil University, Mumbai from 22-6-20 to 26-06-20
5. Online STTP on "Machine Learning and Deep Learning in IT" organized by Dept of CSE, DY Patil University, Mumbai from 25-5-20 to 29-05-20

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Attended a webinar on "Introduction to VMware cloud" SkyCampus, ICT Academy on 11-04-2020

Online Certifications:

1. Coursera on "AI for Everyone"

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