



Mrs. G. Usharani

Assistant Professor



Education Qualifications: M.Tech(Ph.D)
Specialization: Systems & Signal Processing

ADDRESS:

- C – Block -Room No 206

JNTUH ID: **43150402-132102**

EMAIL:
gusharani_ece@mgit.ac.in

DATE OF JOINING:
09-09-2009

EXPERIENCE - 13 Years

- Teaching -13
- Research -
- Industry -
- Others –

SUMMARY:

- Publications - 06
- Conferences -
- Patents – 0
- Books – 0
- Honors/Awards - 0

EVENTS:

- Organized - 04
- Attended - 26

LET'S MEET ON SOCIAL:

Membership of Professional Bodies:

1. IETE

Responsibilities Held At Institution Level

1. Member-Alumni committee
2. Member-canteen Committee
3. Member-Anti ragging committee

Responsibilities Held At Department Level

1. IC applications lab In-charge
2. Alumni staff Coordinator
3. Class In-Charge(IVECE2)
4. Faculty in charge of Higher studies file

Publications:

International Journals: Six(6) Papers

1. **G.Usharani&J.SnehaLatha, “Medical Image Detection with Image Processing Using Machine Learning”, Design Engineering, ISSN: 0011-9342, Issue 5, 2021. Pp 808-816. (Scopus)**.
2. **J.SnehaLatha& G.Usharani, “Enhancement of Underwater Images Using FPGA”, Journal of Science and Technology, ISSN: 2456-5660, Volume 6, Issue 3, May-June 2021.Pp 62-66.**
3. **J.SnehaLatha&G.Usha Rani, “Devanagari Script using Energy of Speech Signal”, Journal of Science and Technology, ISSN: 2456-5660, Volume 6, Issue 1, Jan – February 2021.Pp 167-171**
4. **G.Usha Rani &J.SnehaLatha, “Implementation of Transient Current Testing for Faults in SRAM”, Journal of Science and Technology, ISSN: 2456-5660, Volume 5, Issue 6, Nov - December 2020.Pp 159-164**
5. **G.Usha Rani &J.SnehaLatha, “Design of (PUF) Physical Unclonable Function Using FPGA and Secured Clock Network (SCN)”, Journal of Science and Technology, ISSN: 2456-5660, Volume 5, Issue 5, Sep-October 2020.Pp 246-250..**



6. G.Usharani, "A Generic Filtering Method for Removing Artefacts from Color and Contrast Modifications of Digital Images", International Journal of Emerging Technology & Advanced Engineering, ISSN 2250-2459, Volume 4, Issue 6, June, 2014.

EVENTS ORGANIZED:

REFRESHER COURSES/WORKSHOPS/WEBINARS/SEMINARS

1. Organized webinar on "Efficient Hardware for Machine learning" by Raju Machupalli (2014 Alumnus of ECE dept) on 28-10-2021
2. Organized webinar on "Machine learning and its scope" by K. Hari Chandana (2017 Alumna of ECE dept) on 29-11-2021
3. Organized webinar on "Introduction to cloud computing" by P.Mahesh(2012 Alumnus of ECE dept) on 23-01-2021.
4. Organized webinar series which includes 15 Webinars on "Introduction to Machine learning" by K. Hari Chandana (2017 Alumna of ECE dept) from January to June 2021

EVENTS ATTENDED:

FDPs/STTPs (8)

1. Two day online STTP on "Emerging Technologies in Electronics & communications" by ECE Dept&TPC, MGIT during 18-19th September, 2021
2. AICTE sponsored one week national level fdp on "Research areas in Biomedical signal processing" by ECE dept, SriVasavi Engineering college, Tadepalligudem, AP from 21-06-2021 to 26-06-2021
3. AICTE sponsored one week STTP on "Machine learning on recent trends and applications" by ECE dept, ECE dept, SRIT, Ananthapuram, AP AP from 21-06-2021 to 26-06-2021
4. Online FDP on research opportunities in image processing and machine learning by ECE department, CBIT, Hyderabad from 29-06-2020 to 03-07-2020(1 Week)
5. Online FDP on Effective technical report writing using latex by ECE Department, MGIT, Hyderabad from 08-06-2020 to 09-06-2020(2 Days)
6. Online FDP on recent trends in VLSI by GRIET, Hyderabad from 02-06-2020 to 07-06-2020(1 Week)
7. ATAL online FDP on artificial intelligence by MSME Technology development centre(PPDC), Meerut from 11-05-2020 to 15-05-2020(1 Week)

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8. online FDP on machine learning and artificial intelligence by Andhra Loyola Institute of Engineering and Technology, Vijayawada, AP from 04-05-2020 to 06-05-2020 (3 Days)

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

1. Two week webinar on “Training course on Research and Publication ethics” from 15-03-2021 to 25-03-2021, Online organized by SVU, Tirupati
2. Short term course on “1st Indian workshop on Artificial Intelligence (IWAI)2021” from 19-03-2021 to 25-03-2021, Online, Organized by, IIT, Indore
3. Two day workshop on “IOT: Firmware & Hardware Design & Development” from 26-03-2021 to 27-03-2021, Online, Organized by Dept ECE, JNTUA CEA
4. 2-day International webinar on “Empowering women: A paradigm shift in NEP2020” from 08-01-2021 & 09-01-2021.
5. Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation by Sinhgad Institute of Technology and Science, Pune on 08-05-2020 (1 Day)
6. Work Shop on Pattern recognition and Machine Learning from 30th to 31st May 2019 at CBIT, MGIT
7. Research Trends in Digital Image & Video Processing from 4th-16th December, 2017 at MGIT, Hyderabad
8. RF Antenna design from 19th-24th June, 2017 at MGIT, Hyderabad
9. Recent trends in Digital Image & Video Processing from 22nd-27th Feb, 2016 at MGIT, Hyderabad
10. Gender Sensitization on 21st December 2015 at MGIT, Hyderabad
11. Refresher course from 21st May -10th June, 2014 at University of Hyderabad, Hyderabad
12. Socio-effectiveness of women -WOW factor on 8th & 10th March, 2014 at MGIT, Hyderabad
13. 36th Orientation Course from 18th Nov -14th Dec, 2013 at JNTUH, Hyderabad
14. Teaching, Learning & Research in Engineering & Technology from 30th July to 3rd August, 2012 at MGIT, Hyderabad
15. Digital signal, Image & Speech processing with Matlab on 19th July 2012 at GNI Institute of Technology, Hyderabad
16. Innovation & Technology for Sustainable development on 12th April, 2012 at MGIT Hyderabad
17. Real time Signal & Image Processing from 6th-18th June, 2011 at VNRVJIET, Hyderabad
18. Pragmatic Embedded Systems from 21st -26th June, 2010 at GNITS, Hyderabad

Subjects Taught:

1. LICA
2. NATL
3. Control Systems
4. PDC
5. STLD



6. EDC
7. EMI
8. Network Analysis
9. Electric Circuits
10. ADICA

Online Certifications:

1. NPTEL course on Introduction to Machine Learning from Jan-apr 2021(12 Week course)
2. NPTEL course on the joy of computing using Python from Jan-apr 2021(12 Week course)
3. Neural Networks and Deep Learning in coursera on 02-05-2021
4. coursera course on programming for everybody(getting started with python) from 14-04-2020 to 10-05-2020(27 Days)
5. NPTEL course on Integrated circuits,MOSFETs,OP-AMPs and their applications from Jan-apr 2020(12 Week course)
6. NPTEL course on Introduction to Research from Feb-Apr 2020(8 Week course)

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