



Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
6 Programs Accredited by **NBA**
(CSE, ISE, ECE, EEE, MECH, CV)

Faculty Name	DR MAMATHA DHANANJAYA	
Academic Designation	ASSISTANT PROFESSOR	
Educational Qualification	PH D	
Experience in Teaching & Industry	22	
Date of Joining	20.07.2026	
Official Email ID	mamatha-ece@dsatm.edu.in	
Employee ID	180952	

Educational Details :

Ph D

Professional Experience

22

Publications

International Journals

1. "Development of Solar energy harvesting (SEH) for Internet of Things (IoT) to enable continuously replenishing energy resources in mobile wireless sensor networks (WSN)", International Journal of Communication Networks and Information Security (IJCNIS) ISSN: 2073-607X ,2076-0930, 16(3) ,2024.
2. "Solar Energy Harvesting (SHE) for Low Power Internet of Things (IoT) Edge Devices", International Journal of Research in Academic World (IJRAW), Volume3, Issue8, 2024.
3. "Design& development of an novel energy harvesting scheme for the improvement of operational efficiency ", Journal of Xidian University, DOI:10.37896/jxu17.11/075 ISSN No:1001-2400, 2023.
4. "SOLAR ENERGY FOR RPI IN REMOTE AREAS", Special Issue on Recent Research Trends in Management, Science and Technology, VIIR Journal, ISSN: 2319-4979, August 2021.
5. "A Survey of Energy Harvesting Sources for IoT Device", International Journal of Advanced Engineering, Management and Science (IJAEMS), Vol-3, Issue-1, Jan-2017, Info gain Publication, ISSN:2454-1311.

National Conferences:

1. "Smart Garbage Monitoring System Using Node MCU". IEEE Bangalore Section TECHNICAL SPONSORED International Conference on Signal, Image Processing, Communication & Automation (ICSIPCA-2017) July 6th-7th, 2017.
2. "Smart Pollution monitoring System using Node-MCU", 3rd national conference on Recent Trends in Electronics and Communication -2017 (NCRTEC-2017), Global Academy Of Technology.
3. "Smart Agriculture using Node-MCU", 3rd national conference on Recent Trends in Electronics and Communication -2017 (NCRTEC-2017), Global Academy Of Technology.

Conference Attended

- 1 International conference signal image processing, communication Engineering and Electronics and instrumentation engineering held at Global Academy of Technology.
- 2 National level Technical conference presentation symposium SJCIT STRIKES.

Awards

1. Certificate of appreciation issued for the excellent technical sessions handled during five day special workshop on "Analog and Digital communication engineering in association with Deutsche Gesellschaft fur internationale Zusammenarbeit (GIZ) GmbH Jan 2013 at Global academy of technology.
2. Carried out project work on IF FM STROKE AM DETECTOR (V/UHF RANGE) IN D&E TACTICOM Bharat electronics, Bangalore.

Academic Activity

1. Worked as departmental head of the criteria 4 in NBA work at Global academy of technology.
2. Worked as departmental counselling head at Global academy of technology.
3. Co-ordinated two days workshop on IoT-An enabling workshop for Technical institutes organized by dept of ECE on sept 2016 at Global academy of technology.
4. Coordinated for HdI programming event of festronics 09 a one day National level technical fest 25th april 2009 at New horizon college of engineering.
5. Organized 3rd national conference on recent Trends in Electronics and communications May 2017 at Global Academy of Technology.
6. Organized two days workshop on "Analog Design –Blended Learning" held at Global Academy of Technology Feb 2019.
7. Coordinated for HdI programming event of festronics 09 a one day National level technical fest 25th april 2009 at New horizon college of engineering.

Faculty Development Activity/Workshops

1. Participated in two days hands on workshop "Python programming and its Applications" organized by the Department of ECE at Global Academy of Technology March 2019.
2. Participated in one week faculty Development Program on Internet of things organized by ECE at JSS academy of Technical Education June 2018.
3. Participated in the two day workshop on 'Adolescent Mental health and counseling' on 30th and 31th of January 2017 conducted at Global Academy of Technology in collaboration with SAMADHAN and

facilitated by Dr. C.R. Chandrashekar.

4. Attended the Kaizen IoT workshop conducted at Global Academy on 29th and
5. 30th April, 2017. Participated in the One day faculty Development Program on "Research Methodology" held on 22nd February 2017 jointly organized by Department of Information Science & Engineering and Department of Physics in association with RADAC committee, Global Academy of Technology.

8. Participated three days workshop on Recent Development in signal and Image processing with applications under TEQIP-II in jan2016 at M S Ramaiah Institue of Technology.

9. Participated in hands on workshop on embedded Systems and its applications using ARM7 at Global college of Engineering aug 2016.

10. Attended three days workshop on "Recent Developments In Signal And Image Processing With Applications" Under TEQIP-II organized by M.S.Ramaiah Institute of Technology, Bangalore.

11. Completed course in TCP/IP, OOAD & OOPS with C++ form Software

Technology International Ltd.

12. Attended seminar on "Real Time Implementation of DSP Algorithms" held in Vivekananda Institute of Technology.

13. Participated in National workshop on Adanced advanced in analog and mixed mode vlsi design held on 28th feb 2009 in New horizon college of engineering.

14. Participated in National workshop on Adanced Communication and microstrip antennas held on 7th feb 2009 in New horizon college of engineering.

Contact Details

Name: Mamatha Dhananjaya

Phone num:9980239000

Dayananda Sagar Academy of Technology and Management(DSATM), Kanakapura Main Rd, Udayapura, Badamanavarathekaval, Karnataka 560082.

Email id: Mamatha-ece@dsatm.edu.in