

1. Personal Information

- **Name:** Dr. Megha Venkatesh Jonnalagedda
- **Position:** Associate Professor
- **Department:** Department of Information Technology
- **Contact Information:** mvjonnalagedda@sggs.ac.in,
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2. Educational Background

- **Degrees:**

Degree	University	Field of Specialization	Year	Percentage of marks/Grade
SSC	Secondary & Higher Secondary Board, Nagpur	----	1986	88.72% 20 th Merit in State, Distinction
HSC	Secondary & Higher Secondary Board, Nagpur	----	1988	88% , 1 st class with distinction
B. E.	Marathawada University, Aurangabad	Electronics Engineering	1993	69%, 1 st class with distinction
M. E.	Swami Ramanand Teerth Marathawada University, Nanded	Electronics Engineering (with specialization in <i>Computer Technology</i>)	2000	68.9%, 1 st class
Ph. D	Swami Ramanand Teerth Marathawada University, Nanded	Electronics & Telecommunication Engineering	23 rd July 2016	----

3. Research Interests

- **Areas of Expertise:** Digital Signal and Image Processing, Machine Learning, and VLSI design
- **Ongoing Projects:** NA
- **Interdisciplinary Work:** NA

4. Teaching Experience: 30 Years

- **Courses Taught:**

Sr. No.	Subject Taught	UG/PG
1	Data Structures	UG
2	Object Oriented Programming	UG
3	Digital System Design (SY)	UG
4	Research Methodologies	PG
5	Microprocessor and interfacing (SY)	UG
6	Probability and Statistics for Data Science	PG
7	Machine Learning (Final Year)	UG
8	Human Computer Interaction (Final Year)	UG
9	Ethics in Information Technology (Final Year)	UG
10	Embedded Systems (Final Year)	UG
11	Digital Signal Processing (TY)	UG
12	Network and Lines (SY)	UG
13	Image Processing	PG
14	Multimedia Systems (Final Year)	UG
15	Basic Electronics (FY)	UG
16	VLSI Design (TY)	UG
17	Digital VLSI Design	PG
18	Low Power VLSI Design	PG
19	Electronic Devices & Circuits (I & II) –(SY)	UG
20	Digital Integrated Circuits & Analysis (TY)	UG
21	Linear Integrated circuits (TY)	UG
22	Electronic Circuit Analysis (TY)	UG

- **Course Development:** Redesigned Digital System Design and Microprocessor and Interfacing courses for Second Year IT
- **Lab development:** Prepared MODROBS proposal for VLSI Laboratory for EXTC Department at SGGSI&T, Nanded which got approved. A grant worth 17 lacs got sanctioned.
- **Lab development:** Prepared MODROBS proposal for Embedded Systems Laboratory for IT department at SGGSI&T, Nanded which got approved. A grant worth 6 lacs got sanctioned.

5. Publications and Presentations

- **Journal Articles:** 10
- **Conference Papers:** 10
- **Editorial Work:** Edited the proceedings of National Conference on “Advances in Computing, Networking and Security” organized during 23-24 Dec. 2013 at SGGSIECT, Nanded

6. Awards and Honors

- **Grants:** State Government funding of Rs. 1.6 crores to develop Advance IT lab.

7. Courses / Conferences Attended

- Attended 36 FDPs / STTPs on curricular, co-curricular topics sponsored by AICTE, TEQIP, etc.

8. Courses / Conferences Organized

S. N.	Title of the course	Institute	Duration
01	Short term training program on VLSI design using Tanner tools	Aurora's Technological and Research Institute, Hyderabad	Four days 2007-08
02	Three day workshop on designing using FPGA	Aurora's Technological and Research Institute, Hyderabad	Three days 2008-09
03	Seven day workshop on 'Communication and Interview Skills Development'	Shri Guru Gobind Singhji Institute of Engg. And Technology, Nanded	During Semester – I, 2014-15
03	National Conference on “Advances in Computing, Networking and Security”	Shri Guru Gobind Singhji Institute of Engg. And Technology, Nanded	Two days 23-24 Dec. 2013
04	Data Mining Using STATISTICA	Shri Guru Gobind Singhji Institute of Engg. And Technology, Nanded	Six days 5 th to 10 th July 2016
05	A Statistical Approach to Research Methodology	Shri Guru Gobind Singhji Institute of Engg. And Technology, Nanded	Six days 20 th to 25 th August, 2018
06	AICTE approved Introductory FDP on UHV	SGGSIE&T, Nanded	8 th to 10 th August, 2024
07	Summer School for B. Tech. IT students	SGGSIE&T, Nanded	18 th June to 13 th July, 2024

9. NPTEL COURSES/FDPs Attended

- Attended 28 NPTEL courses till May, 2025

10.NPTEL Star Certificates Earned:

Category	Timeline
NPTEL ENTHUSIASTS	Jul-Dec 2019
NPTEL MOTIVATED LEARNERS	Jan-Dec 2020
NPTEL DISCIPLINE STARS	Jul-Dec 2021
NPTEL BELIEVERS	Jul-Dec 2021
NPTEL EVANGELISTS	Jul-Dec 2022
NPTEL MOTIVATED LEARNERS	Jul-Dec 2022
NPTEL DOMAIN SCHOLARS	Jan-Apr 2022
NPTEL BELIEVERS	Jul-Dec 2023
NPTEL DISCIPLINE STAR	Jul-Dec 2023

11. ATAL Courses Attended:

S. N.	Title of the Course Completed	Institute	Duration
1.	Deep Learning and Artificial Intelligence	Indira Gandhi Technical University for Women	21-09-2020 to 25-09-2020
2.	Capacity Building	University of Petroleum and Energy Studies	12-10-2020 to 16-10-2020
3.	Productivity Enhancement	Shri Kishoritai Bhoyar Coll. of Pharmacy, Nagpur	14-12-2020 to 18-12-2020
4.	Data Sciences	Dr. Ambedkar Institute of Technology	01-02-2021 to 05-02-2021
5.	Capacity Building of Women Leaders in Higher Education	SRM Institute of Science and Technology	12-07-2021 to 16-07-2021
6.	FDP on Authentic Leadership and Excellence	Central University of Jammu.	22/11/2021 to 26/11/2021
7.	FDP on Telemedicine	National Institute of Technology, Jamshedpur	09-08-2021 to 13-08-2021
8.	Introduction to Speech Processing and its Applications using AI-ML	C-DAC, Kolkata	25-10-2021 to 29-10-2021

12. Professional Experience

- Administrative Roles:**

- Head, Department of IT,
- Director Nominated member on SGGS BoG
- Secretary Mahila Takrar Nivaran Samiti

- Member of Institute Disciplinary Committee
- Nodal Coordinator of VLABs

13. Supervision and Mentoring

- **PhD Supervision:**

1. Chetan Malwade: Registered in August 2021
Topic: “Addressing key big data analytics challenges in healthcare domain using artificial intelligence”
2. Rajkumar Panchal: Registered in August 2021
Topic: “A Study on Various Aspects of Hate Speech Detection on Social Media using Deep Learning”

- **Master's Supervision:**

1. Pramod Waghmare: Efficient Pattern Recognition in Time – Series Data
2. Vaibhav Bhosale: Detection of Frauds in Financial Transactions
3. Vivek D. Mohod: Data Extraction of Web Pages Using Tag Tree Structure
4. Abhay Jadhav: User Identity Prediction by Mouse Gesture Dynamics through ANN
5. Sushmita Magdum: Mining Online Reviews and Tweets for Predicting Sales Performance and Success of Movies
6. Prashant Mandale: Segmentation of MRI Brain Images and Improve Execution time and Performance for Automatic Diagnosis
7. Mussavir Shaikh: A Biometric Modality based on typing behavior
8. Vallabh Baradkar: Brain Tumor Segmentation using MRI image
9. Pooja A. Somatkar: Sequential Deep Learning with 3D-CNN for Human Action Recognition and Label Prediction
10. Yuvraj Nikhate: Heart Disease Prediction Using Machine Learning algorithms
11. *Farkhanda Seharish*: The Melanoma Skin Cancer Detection And Classification Using Image Processing
12. *Saba Siddiqua Sadique Ahemed Siddiqui*: Automatic Detection of Lung Diseases using CNN and SVM

14. Professional Memberships

- **Associations:** : Life member of: Institute of Engineers, India (IE) and Life member of Institute of Engineering and Technology (IET)

15. Miscellaneous

- a. **Languages:** English, Marathi, Hindi, Telugu
- b. **Skills:** MATLAB, PYTHON, VHDL
- c. **Personal Interests:** Reading, Singing.