**Profile of Professor Makkena Madhavi Latha**



**Husband’s Name:** **Sri. Lavu Tirumaleshwara Prasad**

**Address for** **Communication** **Permanent Address**

**Dr. Makkena Madhavi Latha Dr. Makkena Madhavi Latha**

Professor in ECE & **W/o. Lavu Tirumaleswara Prasad**

Former Director, Innovative Technologies Villa No: 49, Aparna County

JNTUniversity Hyderabad Mathrusri Nagar, Miyapur, Hyderabad-500084

Kukatpally, Hyderabad – 85

**Email:** [mlmakkena@yahoo.com](mailto:mlmakkena@yahho.com),[mlmakkena@ieee.org](mailto:mlmakkena@ieee.org), [mmadhavilatha@jntuh.ac.in](mailto:mmadhavilatha@jntuh.ac.in)

**Phones:** 09848506611 (Cell), 09866778849, 040 – 23048589 (R)

**Personal:** Dynamic, Ambitious, Computer savvy, Adaptive & a keen learner, Optimistic Personality with a positive outlook, Hardworking, Honest & Humble.

|  |  |  |
| --- | --- | --- |
| Present designation: | **Professor of Electronics & Communication**  **Engineering & Former Director, Innovative Technologies, JNTUH** | |
| Educational Qualifications: | Ph.D (JNTU, Hyderabad) - 2002  M.Tech., (JNTU, Hyderabad) -1991(Distinction)  B.E. - (Nagarjuna University) -1986 (First Class) | |
| DOB: | **01.06.1966** |
| Social Back ground: | **OC (Woman)** |
| Experience: | **25 Years** of teaching, **3** years of Industry and **15 years** of Research  **10 Years as Professor** | |
| Awards Received: (4) | * **State Best Teacher Award (2013) Govt. of A.P.-** First Woman Professor in Engineering in united Andhra Pradesh. * IEEE **Women in Engineering**, IEEE, 2009 * "Exchange Visitor Award" - EducationUSA for the proposed exchange program to promote better cooperation between educational institutions in the U.S. and India on the Institute on Industry/Private Sector Linkages & Innovation., Department of State, Bureau of Educational and Cultural Affairs (ECA) and the Institute of International Education (IIE), USA, 2015- First Invitation to JNTUH. * Best Paper Presentation Award, WAIRCO-International Conference on Electrical, Electronics and Instrumentation Engineering (ICEEI-August 2015) held during 20-22, August 2015 at Colombo, Sri Lanka, 2015. | |
| Convener-ships Held: (4) | 1. **Convener, Forest Department Recruitment Test (FDRT) -2014, JNTUH,** which is very complex test as 4 times EAMCET Examination, for the posts of FSO, FBO, ABO, TH, BW & TA **- First Woman Convener** in the state. 2. **Co-Convener, EAMCET-2014 - First Woman Co-Convener** in the state. 3. **Convener for Regular Faculty Recruitment Test (FRT)-2014 in**   **JNTUH, 2014 - First Woman Convener** in the state.   1. **Convener for e-LSDM Project** for implementing e-Learning Solutions &   2-way HD delivery Mechanism for Faculty and Students, at JNTUH **- First**  **Woman Convener** in the state. | |
| Sponsored projects executed: | **4 (Four) Projects executed**   * *Linneaus Palme project for Bilateral Faculty Exchange,* funded by Swedish Council for Higher Education, Sweden - 80000 SEK (sanctioned in 2014 duration of 2 years) * *FIST,* funded by DST - Rs. 55-00 Lakhs (sanctioned in 2012 duration of 2 years) * *MODROBS Project on Communication Laboratory,* funded by AICTE - Rs. 8-00 Lakhs (2010 - 2012) * *TAPTEC Project on "Digital Signal Processing",* funded by AICTE - Rs. 3-00 Lakhs (2000 - 2002 | |
| International Exposure & Activities: | 1. University Level Coordinator between JNTUH and Blekinge Institute of Technology, Sweden since 2007. 2. Nominated by the U. S Consulate general Hyderabad for the proposed exchange program to promote better cooperation between educational institutions in the U.S. and India on the Institute on ‘**Industry-Private Sector Linkages & Innovation’**. 3. MOU with Bosch Rexroth, Germany for establishing Centre of Excellence in Automation Technologies (CEAT) at JNTUH worth **INR 4.00 Crores** on 50:50 sharing base. 4. MOU with Synopsys Inc, USA, for Software donation worth **$150 million**. 5. Appointed as External Examiner to The **Harare Institute of Technology, Zimbabwe** by its Executive Board. | |
| Administrative Experience | 1. Director, Innovative Technologies, JNTUH, 2013-2016. 2. Professor and Coordinator - Internal Quality Assurance Cell (IQAC**)** 3. Head **of the Department of Electronics & Communication Engineering** from13 September 2010 to 26 September 2012 - **First Woman ECE Head** **in** JNTUH. 4. University Coordinatorbetween JNTUH & Blekinge Institute of Technology,Sweden for MOU course. 5. **Chairperson, Board of Studies for ECE & ETM board, JNTUH** 6. Officer In-charge Examinationsfrom October, 2003 to March 2007 for 3.5years**–** **First Woman** Officer in Examinations 7. **Coordinator, Centre for VLSI and Embedded Systems Design (CVED),** JNTUH CEH from 2010 to till date 8. **Professor I/c Library** for two years during 2010 to 2012 9. **Chief Superintendent for conducting EAMCET-2010 in JNTUH CEH** 10. Conducted **EAMCET, ECET, PGECET and many competitive**   **Examinations** as Officer In-Charge Examinations   1. **Standing Council Member for JNTUH for grant of JNTUH affiliation.** 2. Expert member for many of Competitive Examinations like Orissa   PGCET, AP PGECET, APPSC and other CETs.   1. Subject Expert for DRDO, RCI, NRSC, APPSC, ADRIN, UPSC interviews | |
| Subjects Taught: | **47** | |
| Research Guidance: | **20** Ph.Ds Guided, 4 Ph. D guiding.  **217** M. Tech., and more than **102** B.Tech. projects supervised | |
| Research Paper Publications: **(176Papers)** | Journals: **International (79), National (07)**  Conferences: **International (67), National (23)** | |
| Patents Filed: | 1. Ref No. 201841002292, Application No. TEMP/E1/1408/2018-CHE, CBR No. 1734 - "Physiological Data Monitoring and Notification System and Method Employed thereof””. 2. Ref No. 201841002291, Application No. TEMP/E1/1412/2018-CHE, CBR No. 1733 - "Implantable Medical Device Actuated by Piezoelectric effect" | |
| Author of Books: | **Book Chapter: 01**  K. Padma Vasavi, Dr M. Madhavi Latha, Dr E.V.Krishna Rao, N. Udaya Kumar “Combining Multi Scale and Multi Direction Analysis in Edge Detection Using Statistical Thresholding”, book chapter in the research book titled “Intelligent Automation and Systems Engineering”, **Springer Veralag, 2011.**  **Books Authored: 01** Signals, Systems and Communications – B. P. Lathi & M. M. Latha, BSP Publications, 2012 | |
| Countries visited: | * USA, Denmark, Venice, Finland, Singapore, China, Hongkong, Bangkok , Austria, Germany | |
| Research Centres/  Universities visited  abroad: | * Blekinge Institute of Technology, Sweden, University of California, Berkeley, San Jose University, USA, Stanford University, USA, [Linköping University, Sweden,](https://twitter.com/liu_university) University of Rome, Rome, Innsbruck, Austria for paper presentation, Bosch Rexroth, Germany | |
| Academic Positions: | 1. Professor in JNTU CEH from 9th November 2006 to till date 2. Visiting Faculty for UG Course at I.I.I.T, Hyderabad during 2002 -03 3. Associate Professor in JNTU, Hyd.,31-5-2003 4. Assistant Professor in JNTU, Hyd., 4-10-1994 5. Lecture in C. R. Polytechnique, Guntur -3 y 6. Engineer in Powertronics, Hyderabad for 1Y 7. Engineer in MID-Field Steels Pvt. Ltd., Hyd.,1Y 8. Graduate Engineer in E.C.I.L, Hyderabad- 1Y | |
| Panel discussion in TV  Programs: | **3 (Three) Programmes** | |
| Workshops/Courses Conducted: | **26 (Twenty Six)** | |
| Invited expert lectures and key-note address: | On various Technical topics about **33** | |
| Area of Research: | VLSI, Signal & Image Processing, Wavelet Applications,  Speech Processing, Biomedical Signal Processing, CMOS  Analog Mixed Signal Design | |
| Membership in Professional bodies: | 1. Member of Institute of Electrical & Electronics Engineering,   **(MIEEE)**   1. Fellow of Institute of Electronics & Telecommunication   Engineers, INDIA **(FIETE)**   1. Member of India Society for Technical Education, New Delhi   **(MISTE)** | |

**Signature**

**Prof. M. Madhavi Latha**