BIO – DATA

Of

Dr. T. MADHAVI KUMARI

**ASSOCIATE PROFESSOR OF ECE &
COORDINATOR SC/ST CELL,
JNTUH, HYDERABAD**

VARIOUS ADMINISTRATIVE POSITIONS :

May 2022 to Till date :

Coordinator, SC/ST Cell

1. To circulate Government of India and Commission's decisions and to collect regularly, on an annual basis, information regarding course-wise admissions of SC/ST students in the Universities and Colleges.

2. To collect & analyse reports and information regarding the Government of India orders on the various aspects of education, training and employment of SC/ST candidates, for evolving new policies or modifying existing policy by the Commission and sending to the MHRD/UGC and such other authorities as may be required.

3. To function as a Grievances Redressal Cell for the Grievances of SC/ST students regarding admissions & scholarships and employees regarding recruitments, promotions and other similar matters of the University based on representations and render them necessary help in solving their academic as well as administrative problems.

4. To monitor the working of the remedial coaching scheme, if approved in the affiliated colleges and University.

August 2017 to 2022 :

Additional Controller of Examinations JNTUH

Duties includes to conduct examinations, quality evaluation and results processing for UG & PG Programs of affiliated colleges of Telangana State. External Member for various faculty selections and UG & PG project evaluations. Member of Board of Studies for JNTU Affiliated Colleges. Results Processing Officer for JNTUH Affiliated Autonomous Colleges.

April 2014 to July 2017 :

Associate Professor of ECE

Guided UG and PG Students in their minor and major project works. Published research papers in national and international journals and Conferences.

August 2008 to April 2014 :

Coordinator in Academic & Planning, JNTUH, Hyderabad

Duties includes communications to University Grants Commission (UGC), All India Council for Technical Education (AICTE), National Assessment & Accreditation Council (NAAC), National Board of Accreditation (NBA), Andhra Pradesh State Council of Higher Education (APSCHE), Ministry of Human Resource Development (MHRD) and other apex bodies in the country. Preparation of various report as and when requested by various organizations, Half Yearly Performance Report as requested by Honorable Chancellor of the University, His Excellency, the Governor of Andhra Pradesh, Annual Report & Convocation report of the University are also included. Arranging Board of Studies meetings for the reviewing of Syllabi on regular intervals is also one of the major activities.

June 2003 to July 2008 :

Assistant Director, UGC – Academic Staff College, JNT University, Hyderabad

Conduction of training programs for Staff-members of Engineering Faculties coming from all over India in the areas of Engineering, Technology, Value Education and Information Technology is the major task. Orientation Courses and Refresher courses sanctioned by UGC for newly joined faculty members and Orientation programs for senior faculty members in Educational Administration. Off-campus programs are also arranged whenever the private engineering colleges are requesting. I have good rapport with all the senior faculty members of various Universities, Institutions and Organizations in and around of Hyderabad and also Andhra Pradesh.

December 1990 to June 2003 :

Assistant Professor in ECE, Department of ECE, JNTU College of Engineering, Kukatpally, Hyderabad

Taught for Undergraduate and Post-graduate students of ECE, CSE and Mechanical Engineering branches. Good knowledge in various subjects of Electronics & Communication Engineering

and Computer Science Engineering. Guided good number of undergraduate and postgraduate students for their project works. Students of ECE gave appreciation feedback for teaching Computer Science Subjects in ECE Department.

Training Programs Received :

I attended many training programs in various field of Engineering, Information Technology, Administration and Management within Andhra Pradesh and outside of Andhra Pradesh.

- ➢ One day workshop on **"VLSI SYSTEM DESIGN"**, organized by Dept. of Electronics & Communication Engineering, Regional Engineering College, Warangal on 25-08-1999.

- ➢ AICTE – ISTE, New Delhi, sponsored Short term training program on **"HIGH SPEED NETWORKING"**, organized by Dept. of Electronics & Communication Engineering, Regional Engineering College, Warangal FROM Oct. 4th to Oct. 15th, 1999.

- ➢ A Short term course on "**REMOTE SENSING AND GIS FOR ENVIRONMENTAL MANAGEMENT**", sponsored by ISTE, conducted by Centre for Environment, Institute of Post Graduate Studies & Research, JNTU, Hyderabad during 10th February – 10th March, 2000.

- ➢ Winter School Training program on **"WEB PAGE DESIGN USING JAVA SCRIPT, HTML"**, sponsored by AICTE – ISTE held at Computer Science & Engineering Department, DKTE's Textile and Engineering Institute, Ichalkaranji, Maharashtra during 4-12-2000 and 16-12-2000

- ➢ A refresher course in **"VLSI DESIGN"**, a UGC sponsored course conducted by UGC – Academic Staff College, JNT University, Hyderabad during 03-09-2001 and 22-09-2001.

- ➢ A Short term training program on **"INTERNETWORKING",** sponsored by AICTE – ISTE and organized by the Dept. of Electronics & Communication Engineering, JNTU College of Engineering, Hyderabad during Jan 21 – Feb 02, 2002.

- ➢ Curriculum Development Workshop on "**ADVANCES IN MICROPROCESSORS**", conducted in collaboration with JNT University, Hyderabad, Intel, India and CVR College of Engineering, Hyderabad from 9th December to 13th December 2002.

- ➢ UGC Sponsored Orientation Program on "**EDUCATIONAL ADMINISTRATION"**, conducted by UGC – Academic Staff College, JNTU, Hyderabad during 27-12-2002 and 30-12-2002.

- ➢ University Grants Commission, New Delhi Sponsored Refresher Course in "**INFORMATION TECHNOLOGY (PILOT PROGRAMME)"**, exclusively conducted for the

staff of south region Academic Staff Colleges, organized by the UGC – Academic Staff College, University of Madras, Chennai & Indian Computer Association Institute from 08-09-2003 to 28-09-2003.

Courses Conducted :

- ❖ Refresher course on "**Advances in UNIX & C",** sponsored by UGC, conducted at Academic Staff College, JNTU, Hyderabad during 7-26 April 2003.

- ❖ Orientation Course on "**Value Education**", sponsored by UGC, conducted at Academic Staff College, JNTU, Hyderabad, during 23 June - 20 August 2003 and 17 Jan to 12 Feb. 2005.

- ❖ A **general Orientation course** conducted for the newly joined Teaching faculty members during 02-09-2004 to 29-09-2004 and 22.8.2005 to 20.9.2005.

- ❖ Orientation Program on **"Educational Administration"** for the benefit of administrators of educational institutions sponsored by UGC, conducted at Academic Staff College, JNTU, Hyderabad during 04.02.2006 to 05.02.2006.

- ❖ Orientation Program on **"Internet Technologies",** sponsored by UGC, conducted at Academic Staff College, JNTU, Hyderabad, during 04.02.2006 to 05.02.2006.

- ❖ A 2-Day self-supporting workshop on "**Free Software – A Career, Academic and Research Perspective**" conducted at UGC – Academic Staff College, JNTU, Hyderabad, during April 2-3, 2006.

- ❖ A 4-Day self-supporting workshop on "**e-Learning Technologies**", in association with C-DAC conducted at UGC – Academic Staff College, JNTU, Hyderabad, during 26-10-2007 to 29-10-2007.

- ❖ Short term **Orientation Program** for the benefit of teaching faculty members at VNR Vignan Jyothi Institute of Engineering & Technology, Hyderabad from 05-11-2007 to 07-11-2007.

- ❖ Orientation Course on "**Information Technology**", sponsored by UGC for all the Academic Staff Colleges of Southern region, attended in the capacity of Assistant Director, Academic Staff College, conducted at Academic Staff College, JNTU, Hyderabad, during 26.05.2008 - 21.06.2008.

- ❖ Short term **Orientation Program** for the benefit of teaching faculty members at Scient Institute of Technology, Hyderabad from 04-09-2008 to 06-09-2008.

❖ 6-Day self-supporting Workshop in "**Computer Awareness**", for the benefit of Administrative Staff of JNT University, Hyderabad, from 28-07-2008 to 02-08-2008.

❖ A general administration training program on **"Administration of Technological Educational Institutes",** conducted for the non-teaching staff of JNT University in association with Dr. MCR Human Resource Development Institute during October 12-16, 2006.

Publications:

▪ T. Madhavi Kumari, Karimella Vikram, Dr. Niraj Upadhayaya, Dr.A.Goverdhan – "Image Compression Using Sand Algorithm" - International Journal Of Computer Engineering & Technology (IJCET) Volume 3, Issue 3, October - December (2012), pp. 121-128.

▪ T. Madhavi Kumari, N. Santosh Kumar - "Content based Image Retrieval using Multiwavelets" – International Journal of Computational Engineering Research (IJCER), Vol. 2, Issue 6, October 2012.

▪ T. Madhavi Kumari, S. Santosh Kumari– "Prediction and Estimation of Channel in Multi-user Environment in OFDMA", - International Journal of Engineering Research and Development (IJERD), Vol. 4, Issue 5, October 2012.

▪ T. Madhavi Kumari, N. Santosh Kumari– "Secure Adhoc Routing Protocol for Privacy Preservation**,** - International Journal of Research in Information Technology, Vo. 1, issue 3, September 2013.

▪ T. Madhavi Kumari, P. Kumar Nallaganchu – "Universal Secure Public Key Protocol for Wireless Networks - International Journal of Research in Information Technology, Vo. 1, issue 3, September 2013.

▪ T. Madhavi Kumari, K. Rajendhar – "Reducing The Energy Leakage in MIMO-OFDM", International Journal Of Computer, Electrical And Advanced Communication Engineering (IJCEACE), ISSN 2250 – 3129, Dec 2012.

▪ T. Madhavi Kumari, M.Shiva Venkata Prasad, "Transmission of DWT Image over OFDM fading Channel", International Journal Of Computer, Electrical And Advanced Communication Engineering (IJCEACE), ISSN 2250 – 3129, Dec 2012.

International Conference:

★ T. Madhavi Kumari, Zareen Jaffer, "Performance of MIMO Almouti Space Time Block Coding", International Conference on Electrical, Electronics and Data Communication, Pondicherry, January 2013.

Project :

➢ An AICTE Project "Modernization of Computer Networks Laboratory" under MODROBS implemented in 1996 for a grant of 3 Lakhs.

Academic Activities:

➢ Guided good number of M. Tech and MCA projects.

Novel Change Introduced :

As part of academic curriculum, Online Quiz test for the students on Computer systems was introduced by developing software application, which is the **FIRST ONLINE INTERNAL EVALUATION SYSTEM, which was showcased to the UGC Committee.** This is the online examination and evaluation was done immediately after the examination. Later it was adopted by the JNT University which was extended to all Affiliated Colleges under JNTU.

Training Programs Received :

Received many training programs in various field of Engineering, Information Technology, Administration and Management within Andhra Pradesh and outside of Andhra Pradesh.

Extra-Curricular Activities   :

From Schooling I have been actively participating in various Social Activities, games, sports and other extra-curricular activities.

General Secretary of Shilpa Ladies Hostel, JNTU College of Engineering, Anantapur 1988 – 1989.

I am the **first General Secretary** of the Ladies Hostel. I explained the need of having a separate building for Girl students as the then existing one was a staff-quarter and having lot of problems. The then Vice-Chancellor, Dr. D. Swaminadhan sanctioned Girls hostel to accommodate 150 students.

Executive Council Member, Joint Secretary, General Secretary of Nagarjunasagar Engineering College Teachers' Association (NECTA) 1993-2002

I am the **First Woman to be one of the Executive Council Members, Joint Secretary and General Secretary of NECTA**, a teacher's association of JNTU College of Engineering, Hyderabad. Participated in various activities and instrumental in resolving various issued pertaining to Teacher Community.

General Secretary, JNTU Main Campus Teachers' Association 2007 – 2009 :

I alone contested in the JNTU Main Campus Teachers' Association Elections as General Secretary and won the election as the **First Woman General Secretary** with good majority where as all other posts were elected unanimously. This is the toughest election held in the history of JNTU. Later I was elected unanimously as the Secretary of Local Universities of Hyderabad, APFUTA. I, as a member of Andhra Pradesh Federation of University Teachers' Association (APFUTA) actively participated and met many politicians and officers for the implementation of 6th Revised Pay Scales. I am instrumental in preparing budget estimation for the implementation of 6th Revised Pay Scales in the University.

President, **JNTU Main Campus Teachers' Association and Vice-President, Telangana State Federation of University Teachers' Association : 2017 to 2019 and 2021 to till date:**

Working for the welfare of JNTU Teachers and solving several issued pertaining to the service and career Advancement. Actively involved in the TSFUTA and representing to implement the 7th Revised Pay scales to the University teachers at the earliest.

(T.MADHAVI KUMARI)