



## **Dr. M Dhanalakshmi**

B. Tech, M. Tech & PhD

**Professor of IT & Deputy Director, Directorate of Innovative Learning and Teaching (DILT), JNTUH**

**MISTE, MIETE**

PG Programs

### **Areas of Interest:**

- **Digital Image Processing**
- **Pattern Recognition**

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### **- ▶ Educational & Professional**

#### **- ▶ Academic Qualifications**

- ▶ PhD in Computer Science and Engineering, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad. (2006-2015)

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M. Tech (Master of Technology) in Computer Science, School of Information Technology, JNTU, Masabtank, Hyderabad. (2001-2003)

- ▶

B. Tech (Bachelor of Technology) in Electronics and Communication Engineering (ECE), Jawaharlal Nehru Technological University Ananthapur (1996-2000)

- ▶ Intermediate in MPC, Board of Intermediate Education (1993-1995)

- ▶ SSC in State Syllabus, Board of Secondary School education (1992-1993)

#### **▶ Professional Experience**

#### **- ▶ Teaching Experience**

- ▶ Assistant Professor, M. V. S. R. Engineering College, Nadargul, Hyderabad (31-01-2004 - 2010-07-06)

#### **- ▶ At JNTUH**

- ▶ Professor & Deputy Director, Jawaharlal Nehru Technological University Hyderabad (2023 - Till Date)

- ▶ Professor, Jawaharlal Nehru Technological University Hyderabad College of Engineering, Jagtial. (2016 - 2023)

- ▶ Associate Professor, Jawaharlal Nehru Technological University Hyderabad College of Engineering Jagtial. (2010 - 2016)

#### **- ▶ Publications**

- **International Journals**

- ▶ **M. Dhanalakshmi**, Vadthe Narasimha, *A Survey on Context Based Medical Image Processing Using Machine Learning*, Journal of Cardiovascular Disease Research, ISBN No.0975-3583, 0976-2833, Vol No.12, Issue No.03, pp.423-432, Journal of Cardiovascular Disease Research, June, 2021
- ▶ **M. Dhanalakshmi**, Vadthe Narasimha, *Diabetes with Co Morbidities of COVID-19 Lungs Images*, Turkish Journal of Computer and Mathematics Education, ISBN No.-, Vol No.12, Issue No.4, pp.1156-1164, Turkish Journal of Computer and Mathematics Education, April, 2021
- ▶ **M. Dhanalakshmi**, K. Geetha, A. R. Naseer, *Influence Node Analysis using Monte Carlo and Clonal selection Algorithm for Influence Maximization*, International Journal of Engineering Research & Technology (, ISBN No.2278-0181, Vol No.10, Issue No.06, pp.560-566, <http://www.ijert.org>, June, 2021
- ▶ **M. Dhanalakshmi**, A. Vishnuvardhan, *Scene Text Recognition of Indian Languages in Natural Scene images*, International journal of Advanced research in engineering and technology(IJARET), ISBN No.0976-6499, Vol No.11, Issue No.12, pp.2773-2781, IAEME scopus Indexed, December, 2020
- ▶ **M. dhanalakshmi**, Vinay kumar Reddy Pinapaneni, *Automatic Blocking of malicious numbers in mobile Networks Using Machine Learning*, Journal of Information and computational Science, ISBN No.1548-7741, Vol No.9, Issue No.12, pp.343-351, JOICS, December, 2019
- ▶ **M. Dhanalakshmi**, *Wavelet Tongue Analysis Model for the Human Health Assessment*, International Journal of Technology and Engineering Science [IJTES]TM, ISBN No.2320 8007, Vol No.4, Issue No.2, pp.7056-7060, IJTES, February, 2016
- ▶ **M. Dhanalakshmi**, *Wavelet Tongue Analysis Model for the Human Health Assessment by Using the Wavelet Transforms*, International Journal of Computer Science information and Engg., Technologies, ISBN No.2277 4408, Vol No.1, Issue No.4, pp.1-9, IJCSIET, April, 2016
- ▶ **M. Dhanalakshmi**, *Liver Diagnosis by Applying the Digital Image Processing Techniques On Human Tongue Image*, International Journal of Technology and Engineering Science [IJTES]TM, ISBN No.2320 8007, Vol No.3, Issue No.10, pp.5180-5184, IJTES, October, 2015
- ▶ **M. Dhanalakshmi**, *Analysis of Digital Tongue Image to identify the Head Related Problems*, International Journal of Computer Science information and Engg., Technologies, ISBN No.2277 4408, Vol No.3, Issue No.4, pp.1-7, IJCSIET, December, 2015
- ▶ **M. Dhanalakshmi**, Prof P. Premchand, Prof A. Govardhan, *Applying Linear Wavelet Transforms and Statistical feature Analysis for Digital Tongue Image*, IOSR- Journal of Computer Engineering (IOSR-JCE, ISBN No. 2278-0661 2278-8727, Vol No.16, Issue No.1, pp.95-102, IOSR-JCE, February, 2014
- ▶ **M. Dhanalakshmi**, Prof P. Premchand, Prof A. Govardhan, *Computer Aided Image Enhancement Of Tongue For Diagnosis In Ayurvedic Medical Treatment*, International Journal- Applied Medical Informatics (AMI), ISBN No.1224-5593 , Vol No.34, Issue No.1, pp.47-57, AMI, March, 2014
- ▶ **M. Dhanalakshmi**, *Severity Classification for Unhealthy Human Body Parts Based on Tongue Statistical Texture Feature Values*, International Journal of Computer Science information and Engg., Technologies, ISBN No.2277 4408, Vol No.1, Issue No.4-2, pp.1-6, IJCSIET, February, 2014
- ▶ **M. Dhanalakshmi**, *Severity Classification for Unhealthy Human Body Parts Applying Linear Wavelet Transform*, International Journal of Computer Science information and Engg., Technologies, ISBN No.2277 4408, Vol No.3, Issue No.4, pp.1-7, IJCSIET, November, 2014
- ▶ **M. Dhanalakshmi**, Prof P. Premchand, Prof A. Govardhan, *Tongue Diagnosing With Sequential Image Enhancement Methods*, International Journal of Engineering and Advanced Technology (IJEAT), ISBN No.2278-0661 2278- 727, Vol No.2, Issue No.4, pp.831-835, IJEAT, April, 2013
- ▶ **M. Dhanalakshmi**, *A Novel Approach for Examination of Visually Challenged Candidates by E-Evaluation Techniques*, International Journal of Computer Engineering (IOSR-JCE), ISBN No.2278-8727, Vol No.14, Issue No.10- 9, pp.1-5, IOSR-JCE, November -- December, 2013
- ▶ **M. Dhanalakshmi**, Prof P. Premchand, Prof A. Govardhan, *An Approach for Tongue Diagnosing with Sequential Image Processing Method*, International Journal of Computer Theory and Engineering (IJCTE), ISBN No.1793 8201, Vol No.4, Issue No.3, pp.322-328, IJCTE, June, 2012

## - ▶ **Events Participated/Organized**

### - **Organized**

- ▶ Organized a Workshop on Androidbotx, JNYUH CEJ, 04-04-2016 to 05-04-2016
- ▶ Organized a Symposium on SENTORIEN-2K15, JNYUH CEJ, 01-04-2015 to 02-04-2015
- ▶ Organized a Workshop on IOT- Internet of Things, JNYUH CEJ, 01-01-1970 to 29-12-2015

### - **Co-ordinated**

- ▶ Coordinated for a Training on *APSCHE Training Programme for the Teachers of Engineering colleges*, JNYUH CEJ, 02-01-2012 to 07-01-2012

### - **Resource Person**

- ▶ Resource Person in a Seminar on *IITBPOIPC: Indian IT –“BPO industry prospects and challenges*, Government Degree College, Karimnagar, 05-02-2016 to 06-02-2016
- ▶ Resource Person in a Conference on *NCRTST*, JNYUH CEJ, 25-02-2015 to 01-01-1970
- ▶ Resource Person in a Conference on *ICECIT-12: Intrusion Detection System in mobile Ad-hoc networks*, Srinivasa Ramanujan Inst. Of Technology, Ananthapur.,

### - **Participated**

- ▶ Participated in a Workshop on *Big Data Analytics*, JNYUH CEJ, 14-12-2015 to 20-12-2015
- ▶ Participated in a Refresher Course on *Image & Speech Signal processing*, UGC Academic Staff College J N T U H Kukatpally, Hyd., 08-11-2010 to 29-11-2010

## - ▶ **Teaching**

- ▶ Deep Learning in Information Technology M Tech (DS) \_I Year II Sem (2023-24)
- ▶ Information Security in Information Technology M C A \_I Year I Sem (2023-24)
- ▶ Information Security in Information Technology M Tech (CNIS) \_I Year I Sem (2023-24)
- ▶ Information Security in Information Technology M Tech (CNIS) \_I Year I Sem (2022-23)
- ▶ Software Engineering in MCA MCA \_I Year II Sem (2022-23)
- ▶ Software Engineering in Information Technology MCA \_I Year II Sem (2023-24)
- ▶ Biometrics in Information technology I M Tech II Sem (2016 -17)
- ▶ Image Processing and Pattern Recognition in Information technology IV B Tech I Sem (2016-17)
- ▶ Software Engineering in Information technology I M Tech II Sem (2017-18)
- ▶ Digital Logic Design in Information technology II B Tech I Sem (2017-18)
- ▶ Computer Organization in Information technology II B Tech II Sem (2017-18)
- ▶ Image Processing and Pattern Recognition in Information technology IV B Tech I Sem (2018-19)
- ▶ Software Engineering in Information technology I M Tech II Sem (2018-19)
- ▶ Computer Organization in Information technology II B Tech II Sem (2018-19)

## - ▶ **Administrative Positions Held**

- ▶ Deputy Director, DILT, JNTUH, DILT, Jawaharlal Nehru Technological University Hyderabad, 12 Jan 2023 - Present
- ▶ Coordinator for Online Courses of BBA-DA Programme (a Simultaneous Second Degree), DILT, Jawaharlal Nehru Technological University Hyderabad, 08 May 2023 - Present
- ▶ Coordinator for Girl Student Grievance Redressal Cell, JNTUH University College of Engg. Jagtial, 08 Jul 2016 - 12 Jan 2023
- ▶ Member of Anti-Ragging apex committee, JNTUH University College of Engg. Jagtial, 01 Aug 2019 - 12 Jan 2023
- ▶ Computer Maintenance Officer (CMO), Department of Computer Maintenance, JNTUH CEJ, 15 Jul 2017 - 29 Aug 2018
- ▶ Head of the Information Technology Department, JNTUH UCEJ, Department of Information Technology, JNTUH CEJ, 06 Nov 2014 - 31 Dec 2016

**Dr. M Dhanalakshmi**

PG Programs

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