DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE Affiliated to JNTU Kakinada)

Ganguru, Vijayawada – 521 131. Phone: 0866 – 2583842 / 43.
Email: dietoffice2009@rediffmail.com; URL: www.diet.ac.in

FACULTY PRPOFILE

Name of the Faculty	M.VARALAKSHMAMMA
Designation	Assistant Professor
Date of Joining	16-04-2021
Nature of Association	Regular
Email & Phone No	varalaxmi.39@gmail.com & 9959999636
Department	Electronics and Communication Engineering
Educational Background	1. PhD pursuing from SriVenkateswara University, Tirupati 2. M.Tech from G.Pulla Reddy Engineering College,Kurnool 3. B.Tech (ECE) from Kottam College of Engineering, Kurnool
Areas of Specialization	Digital Image Processing, VLSI
Research Areas	Digital Image Processing , Image inpainting, Image de-fencing
Experience	0 Years

List of Publications (National and International Journals):

1. K.Raju, M.Varalakshmamma,"Adaptive FIR Filter based on Distributed Arithmetic" in the International Journal of Scientific Engineering and Technology Research (IJSETR),Vol.03 , Issue 26.,pp.5195-5200, September-2014.
2. M.Varalakshmamma, T.Venkateswarlu, "Removal of Fence from Digital Images" International Journal of Engineering Research in Electronics and CommunicationEngineering (IJERECE),Volume 5, Issue No.2., pp.31-33, Feb 2018. ISSN: 2394-6849.
3. M.Varalakshmamma, T.Venkateswarlu, "Image De-fencing using Wavelet Based Inpainting Technique" International Journal of imaging and robotics (IJIR),Volume 18, Issue No.4., pp.49-63, July 2018-Aug 2018. ISSN: 2231-525X
4. M.Varalakshmamma, T.Venkateswarlu, "Segmentation of objects using thresholding technique" International Journal of Electronics Engineering (IJEE), Volume 11, Issue No.1., pp.622-629, Jan 2019-June 2019. ISSN:0973-7383
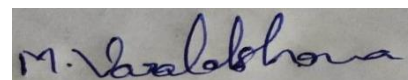
5. M.Varalakshmamma, T.Venkateswarlu, "Detection and Restoration of Image from Multi-Color Fence Occlusions" Pattern Recognition and Image Analysis, Vol. 29, No. 3, pp. 533–545,2019. ISSN 1054-6618

6. M.Varalakshmamma, T.Venkateswarlu, "Segmentation of Railings and Bars from RGB-Depth Images " International Journal of Information Technology and Electrical Engineering (ITEE), Volume 8, Issue No.5., pp.120-126, October 2019. ISSN: 2306-708X

7. M.Varalakshmamma, T.Venkateswarlu, "Restoration of Noisy and Noiseless Fence Occlusion Images" Pattern Recognition and Image Analysis, Vol. 30, Issue No. 3,. pp. 428–439, Feb. 2020. ISSN 1054-6618

National/International Conferences ((National and International):

1. M.Varalakshmamma, and T.Venkateswarlu, "**Removal of Fence from Digital Images**", *2nd International Conference on Emerging Trends in Engineering, Science and Technologies* (*ICETEST-18*) 16th to 17th February, 2018, Balaji institute of technology, Warangal, Telangana.

2. M.Varalakshmamma, and T.Venkateswarlu, "**Segmentation of the Fence Using Graph Cut Segmentation Technique**", *8th International Conference on Innovations in Electronics & Communication Engineering (ICIECE-2019)2nd to 3rd August,* 2019,Guru Nanak Institutions, Hyderabad, Telangana.

3. M.Varalakshmamma, and T.Venkateswarlu, "**Restoring RGBD Images from Occlusions**" *International Conference on Computing Communication and Electrical Technologies (ICCCET-2019)* 29th-30th August 2019, G.Narayanamma Institute of Technology and Science for Women, Hyderabad, Telangana.

4. Faculty Development Programme on "L-Band Data Processing for Remote Sensing Applications and Numerical Weather Prediction" during 14th-25th, November, 2016 at Sri Venkateswara university college of Engineering, Tirupathi.

5. Attended a Two Day Workshop on "Research Methodology & Technical Paper Writing", during the period 26th - 27th Feb, 2016, under TEQIP-II at Sri Vidyanikethan Engineering College, Tirupati, A.P.

6. Attended a Two Day Workshop on "Research Methodology & Technical Paper Writing", during the period 26th - 27th Feb, 2016, under TEQIP-II at Sri Vidyanikethan Engineering College, Tirupati, A.P.

7. Attended 104th "Indian Science Congress" held at S.V.UniversityTirupathi from January 3rd to 7th 2017.

8. Attended a Three Day Workshop on "Signal &Imageprocessinbg", during the period 2nd - 4th March, 2017, under TEQIP-II(1.2.1) at Sri Venkateswara university college of Engineering, Tirupathi.

Achievements / Awards etc.,

1. Qualified for Assistant Professor in **UGC NET**, June 2015,Nov 2016.

2. Qualified in **GATE**(EC 2013).

M.VARALAKSHMAMMA