



MALINENI LAKSHMAIAH

WOMEN'S ENGINEERING COLLEGE

(AUTONOMOUS)

(Accredited by "NBA" & NACC A+ Grade | Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)
Pulladigunta (Vil), Vatticherukuru (Md), Prathipadu Road, Guntur – 522 017 A.P.



PROFILE

1. Name of the Faculty: **Dr. Chiluka Ramesh**
2. Department: **Electronics & Communication Engineering**
3. Faculty Id: **404**
4. Designation: **Professor & IQAC Coordinator**
5. Years of Experience: **23 Years**
6. Email: drchilukaramesh@gmail.com & iqacmlew@gmail.com
7. DOJ: **06-05-2020**
8. Qualification: **B.Tech; M.Tech; Ph.D**
9. Phone: **+919949798475**
10. Date of Birth: **16-06-1978**



11. Areas of Specialization:

M.Tech-Digital Systems & Computer Electronics

Ph.D – ECE (Digital Image Processing)

12. Area of Research: **Digital Image Processing**

Title of Research: **Image restoration using patch based regression analysis with global sparse features**

13. Total Papers Published: **18**

JOURNALS: **12**

CONFERENCES: NATIONAL /INTERNATIONAL: **06**

<u>Papers publications</u>							
Sl. No	Title of the Paper	Authors	Name of the Journal/ conference	Year of Publication	Volume / Issue/ Page No.	ISSN No.	SCI/ES CI/SCOPUS/UGC
1	A Comprehensive Analysis of Traditional and Advanced Approaches of Image Restoration Techniques	Dr.Ch.Ramesh	<i>Micro and Nanosystems</i>	<i>Sept 2024</i>	<i>Vol. 16, Issue 4,</i>	<i>1876 4037</i>	<i>Scopus Indexed Journal</i>
2	Plant Disease Detection using Teachable Machine	Dr.Ch.Ramesh	<i>Tanz. Journal</i>	<i>May 2024</i>	<i>Vol. 19, Issue 5 PP. 112 – 122</i>	<i>1869 – 7720</i>	<i>Scopus Indexed Journal</i>
3	Design of Automated Seed Sowing Machine	Dr. Ch.Ramesh	<i>Quantum Computing Models for Cyber security and Wireless Communications 2024 Scrivener Publishing LLC</i>	<i>May 2024</i>	<i>Vol. 19, Issue 5, PP. 229-238</i>	<i>1869 – 7720</i>	<i>Scopus Indexed Journal</i>
4	The Magic Duo of IoT and Block chain : Transforming Agriculture with real time data and transparency	Dr. Ch.Ramesh	<i>Journal of Engineering and Technology Management</i>	<i>July-Sept 2024</i>	<i>Vol. 73, PP. 23 – 33</i>	<i>1879 – 1719</i>	<i>Scopus Indexed Journal</i>
5	Possible Hindrances in the way of building up Academic Bank of Credit	Dr. Ch.Ramesh	<i>Journal of Engineering and Technology Management</i>	<i>July-Sept 2024</i>	<i>Vol. 73 PP. 45 – 50</i>	<i>1879 – 1719</i>	<i>Scopus Indexed Journal</i>

6	Efficient design and implementation of low power 1-bit full adder for VLSI applications	Dr. Ch.Ramesh	<i>Journal of Engineering and Technology Management</i>	July-Sept 2024	Vol. 73 PP. 51 – 61	1879 – 1719	Scopus Indexed Journal
7	Design and Implementation of a Highly Articulated 17-DOF Bipedal Robot with ArduinoControl	Dr. Ch.Ramesh	<i>Tanz Journal</i>	July 2024	Vol. 19, Issue 7, PP. 146 – 156	1869 – 7720	Scopus Indexed Journal
8	Novel approach to Bluetooth Communication in Bipedal Robot for Humanoid Workout Mobility	Dr. Ch.Ramesh	<i>Journal of Engineering and Technology Management</i>	July-Sept 2024	Vol. 73 PP. 157 – 165	1879 – 1719	Scopus Indexed Journal
9	Comparative Analysis of Various Image Restoration Algorithms	Ch.Ramesh	<i>International Conference on Science Engineering and Technology</i>	2021	PP. 1-3	979-84546 95934	Confere nce
10	Signal Processing and Machine Learning in Healthcare: A double Review for Critical Beginners	Dr. Ch.Ramesh	<i>Design Engineering</i>	2021/8	PP. 11239 – 11250	0011 – 9342	Scopus Indexed Journal
11	Restoration of Natural Images using Iterative Global and Local Adaptive Learning Scheme	Ch.Ramesh	<i>International Journal of Advanced Trends in Computer Science and Engineering</i>	2020	Vol. 9, No.1, PP. 128-133	2278 - 3091	Scopus Indexed Journal
12	Restoration of Natural Images using Multi Resoluted PSCS Analysis	Ch.Ramesh	<i>Journal of Advanced Research in Dynamical and Control Systems (JARDCS)</i>	2019	Vol.11, 12, PP.1376 – 1382	1943 - 023X	Scopus Indexed Journal

13	Literature Survey on Compressive Sensing	Ch.Ramesh	<i>Journal of Applied Science and Computation (JASC)</i>	2019	<i>Vol.6, Issue 5, PP.221 –225</i>	<i>1076 - 5131</i>	<i>UGG Journal</i>
14	Image Restoration using Patch based Gaussian Distribution Distance analysis with PCA correlation factor	Ch.Ramesh	<i>Journal of Advanced Research in Dynamical and Control Systems (JARDCS)</i>	2018	<i>Vol.10, Issue.6, PP.843 –851</i>	<i>1943 - 023X</i>	<i>Scopus Indexed Journal</i>
15	Block based compressive sensing image restoration using MR	Ch.Ramesh	<i>International Journal of Pure and Applied Mathematics (IJPAM)</i>	2018	<i>Vol.119, Issue 7, PP.1325 –1332</i>	<i>1314-3395</i>	<i>Scopus Indexed Journal</i>
16	Short note on applications of Compressive Sensing in Image Restoration	Ch.Ramesh	<i>Smart Intelligent Computing and Applications International Conference SCI -2018</i>	2018	<i>Vol.2 PP.267 – 273</i>		<i>Confere nce</i>
17	Survey on Compressive Sensing	Ch.Ramesh	<i>National Conference on Advanced Signal Processing Applications, KL University</i>	2013	<i>Vol.20, Issue.21 , PP. 48-52</i>		<i>Confere nce</i>
18	A New image code using modified SPIHT with a reduced MSE and Classification Distortion	Ch.Ramesh	<i>International Conference on Systematic Cybernetics and Informatics (ICSI-2011), Hyderabad.</i>	2011	-	-	<i>Confere nce</i>

14. Details of Ph.Ds Guided if any : NIL

15. Details of Memberships in Professional Bodies:

- ISTE Life Member: LM 44638
- IAENG Life Member
- National Digital Library of India (NDLI) Club Member
- IIRM Member – LM SDT-2021-090

16. Details of Awards received, if any:

- Honored with **ARC Best Teacher Award** on the occasion of India teachers day 2020 celebration hosted by **APSSDC & European Centre for Mechatronics, Indo Euro Synchronization, Germany**
- Honored with **Best Teacher Award** on the occasion of Teachers Day Celebrations on September 5th , 2020 held at **Malineni Lakshmaiah Women's Engineering College**
- Honored with Dr. A. P. J. Abdul Kalam **Lifetime Achievement National Award** by National Institute for Socio Economic Development, Bangalore on 9th January, 2021
- Honored with **Academic Excellence Award** by Novel Research Academy, Ponducherry, India on 5th September, 2021
- Honored with **ARC Best SPOC** for providing services toward Applied Robotics Control- Advanced Certification Program in our college during the academic year 2022-23

17. Any Other Information:

Books Published

1. Published text book Data Communication and Computer Networks

ISSN No. 978-81-947404-5-2 , Oct 2021, Indigenous Publications, New Delhi

2. Published text book Electronic Devices & Circuits

ISSN No. 978-81-953693-8-6, July 2021, South Asian Academic Publications

Patents

1. **Published Patent on Method and system for providing optimal agricultural planting using Internet of Things**

Patent No. 202141045546 A, Patent Office Journal No. 45/2021 dated 05-11-2021

2. **Published Patent on Neurorobots: The Cutting Edge of Repairing Neurological Damage**

Patent No. 202421053553 A, Patent Office Journal No. 31/2024 dated 02-08-2024

NPTEL & Other Certifications

- Successfully completed the 12 Weeks **NPTEL** Online Certification course **Computer Networks and Internet Protocol** with a consolidated score of 67% (Elite certification) (Jan-April 2024)
- Successfully completed NPTEL-AICTE Faculty Development Program and completed course **Computer Networks and Internet Protocol**
- Successfully completed the 8 Weeks **NPTEL** Online Certification course **Data Base Management Systems** which was held during Jul-Sept 2024.
- Successfully completed Online course **Introduction to Cyber Security** provided by Great Learning Academy on March, 2024.
- Successfully completed Online course **Basics of Data Science** a course offered by RWTHx, an online learning initiative of **RWTH Aachen University** on August, 2024.
- Successfully participated in International Internship on **Applied Robotics Control** from 16th May 2019 to 24th May 2019 conducted by German Centre for Advanced Engineering and Management Studies and APS GmbH – European Centre for Mechatronics, Germany
- Successfully participated in **Applied Robotics Control FDP 2.0** from 5th Aug 2019 to 12th Aug 2019 under the initiative of Indo European Skilling Cluster for Mechatronics and Manufacturing held at VIT-A.P, Amaravathi, India.

INSTITUTION'S INNOVATION COUNCIL (IIC) Certifications

- Successfully completed **Innovation Ambassador (IA) training 'Foundation Level'** conducted by MoE's Innovation Cell & AICTE on 02-05-2024.

- Successfully completed **Innovation Ambassador (IA) training ‘Advanced Level’** conducted by MoE’s Innovation Cell & AICTE on 03-07-2024.
- Successfully completed **Innovation Ambassador (IA) training ‘Reskill Level’** conducted by MoE’s Innovation Cell & AICTE on 22-07-2024.

18. Workshops / FDP’s/ STTPs Attended: 30

19. International and National Internship Certifications:

S. No.	Name of the Course/ Internship	From	To	Conducted by
1.	Applied Robotic Controls Lab (ARC1.0)	16-05-2019	24-05-2019	German Centre for Advanced Engineering and Management Studies UG and APSGmbH- European Centre for Mechatronics, Aachen, Germany
2.	Applied Robotic Controls Lab (ARC2.0)	05-08-2019	12-08-2019	German Centre for Advanced Engineering and Management Studies UG and APSGmbH- European Centre For Mechatronics, Aachen, Germany
3.	30 Days Internship Program on MATLAB	01-09-2020	30-09-2020	Pantech Solutions in association with IETE, Mumbai.
4.	Digital Image Processing with MATLAB	08-06-2020	13-06-2020	Data Teach Labs
5.	MATLAB Masters	08-06-2020	19-06-2020	Data Teach Labs
6.	Machine Learning with MATLAB	01-07-2020	13-07-2020	Data Teach Labs
7.	Data Science foundation Course	21-07-2020	24-07-2020	Data Teach Labs.

Signature of Faculty