FACULTY PROFILE

Name of the faculty: MEDA HEMALATHA

Department: ECE
College: Gudlavalleru Engineering College
E-Mail: latha@gecgudlavallerumic.in

RESIDENTIAL ADDRESS: Near venugopala swamy temple, gudlavalleru(v),gudlavalleru(M).pin- 521356

ACADEMIC QUALIFICATIONS: M.Tech, pursuing Ph.D. at JNTU Kakinada ,AP.

ACADEMIC REWARDS / ACHIEVEMENTS:

➢ GATE 2014,2015,2016,2017 qualified.

➢ Recipient of **Prathibha Award** from AP state government in 2017.

➢ UGC NET JUNE 2018 ,2019 qualified for Assistant professor.

PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Assistant Professor	Gudlavalleru Engineering College	June 1st 2022 to till date
Assistant Professor	IIIT ONGOLE	3 years 3 months 18 days Aug 1st 2018-Nov 19th 2021
Assistant Professor	IIIT Nuzvid	3 months

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
-	-	2

SPECIALIZATION: Instrumentation and Control engineering.

RESEARCH PAPERS / BOOKS:

PAPERS PUBLISHED IN JOURNALS:

1. **M Hemaltha**, K Rajasekhar, "Improved PSNR with encryption and data hiding using histogram shrink and wet paper coding", *International journal of research,*04(9),2367-2373, 2017.

2. **M Hemaltha**, Y Lahari Prasanna, S Ahmed Nawab, V Chanikya, Y Pothana Veera Rohit Vardhan, "An Enhanced Technique Of Skin Cancer Classification Using Deep Convolutional Neural Network With Transfer Learning Models.

PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:

[1]. **M Hemaltha**, K Rajasekhar,"Multiplicative symmetric key generation based encryption for data hiding", Second International Conference on Communication and Electronics Systems (ICCES),19 -20October 2017, PPG Institute of Technology, Coimbatore, India

LIST OF WORKSHOPS ORGANIZED:

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

- One Week Faculty Development Program on"Applications of Computer Vision using Deep Learning" conducted by the department of Electronics and Communication Engineering, SeshadriRao Gudlavalleru Engineering College during 20 - 25 February 2023.
- One Week National Level Faculty Development Program on Cloud Infrastructure, organized by Chalapathi Institute of technology in collaboration with AICTE during 21st to 25th August 2023.
- FDP on The Joy Of Computing Using Python by NPTEL .
- Faculty Development Program on "Insights of NEP 2020 and strategies for its implementqation" organized by SRGEC on 12 th June 2022.
- Faculty Development Program on "Student induction" organized by AICTE on 19- 21 Dec'19.
- Faculty Development Program on "Advanced technologies in wireless communication networks" organized by GMR Institute of Technology, Rajam on 02-06 Aug'21.

CERTIFICATIONS/Training Programs Attended No:

NPTEL COURSE CERTIFICATIONS:

S.No	Subject	Month & Year	Grade
1	Digital Circuits	July-Oct & 2022	Top 1% (Elite + Silver)
2	The Joy of Computing Using Python	July-Oct & 2022	Elite
4	Introduction to Machine Learning	Jan-April & 2023	Elite

GUEST LECTURES DELIVERED: ----

MEMBERSHIP IN PROFESSIONAL BODIES: ----

CONSULTANCY ACTIVITIES: ----

GRANTS FETCHED:

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number
1	415476-001	Granted	IOT ENABLED WATER TANK	1. Seshadri Rao Gudlavalleru Engineering College 2. Dr. Gogineni Venkata Jagadeesh 3.Dr. Subhashish Dey 4.Meda Hemalatha 5.Gajula Ramsai 6.Eede Naga Venkata Narendra 7. Dasari Leela Lokesh 8. Kumbham Bhanu Prakash	5/1/2024	24.06.2024	415476-001
2	404251-001	Granted	AN AUTOMOTIVE TYRE	1.Dr. Gogineni Venkata Jagadeesh 2. Meda Hemalatha 3.Dr. Borra N Dhanunjayarao 4.Kommuri Ramakanth 5.Bhatta Chujana Rao 6.Alla Sai Ganesh	1/10/2024	18.04.2024	404251-001

3	402771-001	Granted	**AN AUTOMOTIV E ALLOY WHEEL RIM**	1.Dr. Gogineni Venkata Jagadeesh 2. Meda Hemalatha 3.Dr. K Ch Kishor Kumar 4.Dr. Burra Karuna Kumar 5.Dasari Vivek 6. Dagarapu Rahul 7. Chinnam Haneesh	**21.12.2023**	**29.02.2024**	**402771-001**
4	404252-001	Granted	**MOBILE DEVICE WITH CAMERA**	1.Dr. Gogineni Venkata Jagadeesh 2. Meda Hemalatha 3.Bolla Rakesh 4.Akuri Ganesh Sai 5.Bokka Ajay Kumar 6.Paritala Vijay Abhi Ram 7.Kanna Prem Kumar	**10.01.2024**	**04.03.2024**	**404252-001**
5	399133-001	Granted	**BALL BEARING WITH ENHANCED OUTER RING INTERFERE NCE**	1.Dr. Gogineni Venkata Jagadeesh 2. Meda Hemalatha 3.Viprapatnam Krupakar 4.Nandyala Bharat Kumar 5.Shaik Mastan Vali 6.Murala Bhanu Prakash	**03.11.2023**	**05.01.2024**	**399133-001**
6	399132-001	Granted	**AN AUTOMOTIV E ALLOY WHEEL RIM**	**1.**Dr. Gogineni Venkata Jagadeesh 2. Meda Hemalatha 3.Alladi Durga Mahesh 4.Abdul Khadar 5.Burugu Harsha Vardhan 6.Dunna Jeevan	**03/11/2023**	**04.01.2024**	**399132-001**
7	399131-001	Granted	**TWO-WHEELER CLUTCH LEVER**	1.Dr. Gogineni Venkata Jagadeesh 2. Meda Hemalatha 3.Botta Sai Praneetha 4.Arava Sai 5.Bolla Chandra Pavan Kumar 6.Abdul Akthar Basha	**03/11/2023**	**15.02.2024**	**399131-001**
8	415473-001	Granted	**INDUSTRIAL ROBOT WITH GRIPPER RESEMBLIN G HUMAN HAND**	1. Seshadri Rao Gudlavalleru Engineering College 2. Dr. Gogineni Venkata Jagadeesh 3.Meda Hemalatha 4.Dr. Subhashish Dey 5.Veeragani Venkata Vamsi 6.Veeragani Vinay 7. Kothuri Kranthi Kumar 8. Pittala Sai Vamsi	**1/5/2024**	**11/7/2024**	**415473-001**

9	415475-001	Granted	BICYCLE	1.Dr. Gogineni Venkata Jagadeesh 2. Meda Hemalatha 3.Botta Sai Praneetha 4.Arava Sai 5.Bolla Chandra Pavan Kumar 6.Abdul Akthar Basha	1/5/2024	5/8/2024	415475-001
10	400460-001	Granted	MOBILE DEVICE WITH CAMERA	1.Dr. Gogineni Venkata Jagadeesh 2. Meda Hemalatha 3.Dr. Malladi R Ch Sastry 4.Akuri Ganesh Sai 5.Bolla Rakesh 6.Bokka Ajay Kumar 7.Paritala Vijay Abhi Ram 8.Kanna Prem Kumar	22/11/2023	5/8/2024	400460-001
11	428200-001	Granted	SELF LUBRICATIO N SPUR GEAR	1.Seshadri Rao Gudlavalleru Engineering College 2. Dr. Gogineni Venkata Jagadeesh 3.Meda Hemalatha 4.Dr. Subhashish Dey 5.Dr. T. Narasimha Suri 6.S.B. Karimulla Reddy	26/08/2024	15/10/2024	428200-001
12	428201-001	Granted	AIR COOLED MOBILE STAND	1.Seshadri Rao Gudlavalleru Engineering College 2. Dr. Gogineni Venkata Jagadeesh 3.Meda Hemalatha 4.Dr. G. Karuna Kumar 5.B.V.S. Raghu Vamsi 6.N. Premdasu	26/08/2024	11/04/2024	428201-001
13	428198-001	Granted	AN AUTOMOTIV E ALLOY WHEEL RIM	1. Seshadri Rao Gudlavalleru Engineering College 2. Dr. Gogineni Venkata Jagadeesh 3.Meda Hemalatha 4.Dr. Subhashish Dey 5.Dr. G. Prabhakara Rao 6.A. Rajesh	26/08/2024	11/04/2024	428198-001
14	428196-001	Granted	CYLINDER ROLLER BEARING	1. Seshadri Rao Gudlavalleru Engineering College 2. Dr. Gogineni Venkata Jagadeesh 3.Meda Hemalatha 4.Dr. Subhashish Dey 5.Dr. K.Ch. Kishor Kumar 6.T. Nagaraju 7. Boyina Hemanth Babu 8. Bhatraju Hanuman Sai 9.Maruboyina Shanmukha Ajay 10.Dasari Jeethendra	26/08/2024	28/11/2024	428196-001

| 15 | 428197-001 | Granted | AN AUTOMOTIVE MUFFLER | 1.Seshadri Rao Gudlavalleru Engineering College 2. Dr. Gogineni Venkata Jagadeesh 3.Meda Hemalatha 4.Dr. Subhashish Dey 5.Dr. J.A. Ranga Babu 6.P. Satyanarayana 7.Bhatraju Hanuman Sai 8.Boyina Hemanth Babu 9.Mothukuri Jagadeesh 10.Battula Danush | 26/08/2024 | 12/02/2024 | 428197-001 |

Subjects Handled

Under Graduation

- Electronic devices and circuits
- Signals and Systems
- Electromagnetic theory and transmission lines
- Artificial intelligence
- Satellite Communications
- Basics of Electronics and Electrical engineering
- Computer Organization
- Image Processing

Post-Graduation

Labs Handled

Under Graduation

- Electronic Devices and Circuits Lab
- Digital circuits and design Lab
- Analog electronics and circuits Lab
- Digital Signal Processing Lab
- VLSI lab

Post-Graduation

Other Responsibilities

College Level

Department Level

Projects Guided

Under Graduation

S. No	Name of the project	Year
1	Earth quake detection using proteus 8 and its hardware implementation	2021
2	FM Radio Jammer circuit	2021
3	An Enhanced Technique Of Skin Cancer Classification Using Deep Convolutional Neural Network With Transfer Learning Models	2023

Post-Graduation: NIL

Guiding Ph. D Students – NIL

Books Published No. :

R&D and Consultancy

Curriculum Design and Development

Extra Curricular Activities:

Declaration

I hereby declare that all the above-furnished information is correct to the best of my knowledge.

Date: MEDA HEMALATHA

Place: Gudlavalleru   Signature