MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE
(Approved by AICTE-NEW DELHI, Affiliated to JNTUK KAKINADA)
An ISO 9001:2015 Certified Institute
Pulladigunta , Guntur, Guntur District, A.P
Department of Computer Science and Engineering

Research and Development Lab

1. **Research Committee :**

Members of the Committee

S.NO	Name	Designation
1	Dr. G.Rama Swamy	Professor & HOD
2	Dr. M. Bheemalingaiah	Professor
3	Dr. A.S. Kanakaratnam	Associate Professor
4	Dr. Charles Jaya Rao Nettem	Associate Professor
5	Mr. E. Nageswara Rao	Associate Professor

2. **Research facilities and promotion:**

Research and development lab established in the year 2017. The institute provides all essential infrastructure and a conducive environment to encourage research on campus. Faculty members are encouraged to request for funding from a variety of sources in order to continue their study. However, the institute is willing to grant seed funds or partial funding based on the merits of faculty or student submissions. Faculty and students are encouraged to present their ideas/project proposals to the research committee in order to receive seed money according to institute criteria.

Faculty and students are given the flexibility to pursue their own research interests, as well as instruction on how to obtain money from various funding organisations and industries. Faculty members are rewarded for peer-reviewed publications, book writing, and patent filing by the institute.

Areas of Research in Computer Science and Engineering.

- AI
- Data Mining.
- Machine Learning.
- Deep Learning
- Bigdata Analytics.
- Cloud Computing
- Network Security
- Software Engineering
- IOT

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3. <u>Software & Hardware Tools</u>

Research and development laboratoryis equipped with following latest software & hardware for research scholars.

Some of them include:

- Window Server
- Data Server
- SciLab (FOSS)
- Microsoft Office 365 A3 and A1 Licences
- Window 10 Genuine Licences
- WEKA 3.9.3 (Free) Open Source
- Rapid Miner
- Plagiarism Software
- Statistical and Data Analysis Software
- SOFA:(Statistical Software Open for All)
- PSPP
- Estard Data Miner
- Visual Studio
- Oracle
- Latest Compilers
- Adobe Package
- Online Video conferencing(Zoom and Skype subscription)
- All common general-purpose application software
- Laser Printer with Scanner
- Switch/Router/WAP for Internet Connectivity
- Anaconda and Linux
- Matlab

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4. System configuration Details

Number of systems	System configuration
33	**Lenovo** Core i5 7500/ 7 th Generation 16GB DDR4, 500GB Hard Disk 18.5" LED Monitor USB KEY Keyboard USB Mouse

Research Activities

1. Patents
2. Publications
3. Phd's awarded in service
4. Faculty Pursuing Ph.D.

1. Patents :

Patents of CSE Faculty for the academic year 2021-22

S.NO	Name Of the faculty	Patent Title	Patent number	Date of filing	Date of Publication
1	Dr. G. Rama Swamy	Fully- Automatic brain tumor segmentation using deep learning method	202141039083	28/08/2021	03/09/2021
2	Mr. B. Venkaiah Chowdary	A dynamic user interface in cloud network using Deep Learning model	202141034584	31/07/2021	06/08/2021
3	Mr. P. Venu Babu	Fully- Automatic brain tumor segmentation using deep learning method	202141039083	28/08/2021	03/09/2021

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Patents of CSE Faculty for the academic year 2019-2020

S.NO	Name Of the faculty	Patent Title	Patent number	Date of filing	Date of Publication
1	Dr. Matam Bheemalingaiah	Intelligent woman safety device using A.I(Artificial Intelligent) Programming	202041000359	04/01/2020	10/01/2020
2	Dr. Matam Bheemalingaiah	Intelligent system and method for advanced Harvest yield Prediction Using IOT based technology	202041000402	05/01/2020	10/01/2020
3	Dr. Matam Bheemalingaiah	Airplane, aircrafts accidents Predictive analysis using Machine Learning, Deep Learning and other programming	202041001797	15/01/2020	17/01/2020

2: Publications:

Consolidated report of Faculty Publications

Academic Year	Journals		Total
	International	National	
2020-21	38		38
2019-20	09	01	10
2018-19	08		08
2017-18	06		06
		Total:	62

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3. Phd's awarded in service

S.No	Name Of the Faculty	Awarding University	PhD Awarded Year
1	Dr. Srirama Kanakaratnam	Acharya Nagarjuna University	2018
2	Dr. Pathan Hussain Basha	Rayala Seema University	2018
3	Dr. Matam Bheemlingaih	JNTUA: Anathapuram	2019
4	Dr. Sunitha Kandepu	Acharya Nagarjuna University	2020

4. List of faculty pursuing Ph.D.

S.No	Name Of the Faculty	Name of the University	Name of the supervisor	PhD Registered year
1	Mr. Nageswara Rao Eluri	Acharya Nagarjuna University	Dr. Ganagadhara Rao Kancherla	30-Aug-2017