MALLA REDDY COLLEGE OF ENGINEERING
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Maisammaguda, Dhulapally, post via Kompally, Secunderabad - 500100

MRCE-R&D List Publications
Summary Report
A.Y 2023-2024

Sl. No	Name of the Department	Book Chapters		Text Books		List of Journals		List of Conferences		List of Patents		NPTEL
		Scopus	Others	Google Books	Others	Scopus	SCI	Scopus	IEEE	Designed	Filing	
1	CSE	5	1	-	1	1	-	-	1	2	7	6
2	ECE	-	-	-	3	6	3	-	2	3	1	14
3	H&S	-	-	-	1	3	-	-	-	3	2	20
4	CSE-AIML	-	-	-	1	-	-	2	1	6	9	4
5	CSE-DS	-	-	-	2	3	3	-	-	1	9	7
	Total	6		8		19		6		43	51	

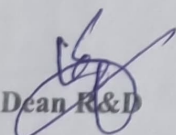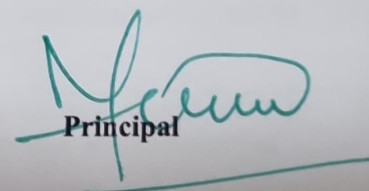Dean R&D

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List of Conference Papers Publications

A.Y 2023-2024

Sl. No	Name of the Faculty	Department	Name of the Publisher	Title of the Paper
1	Dr A Athiraja	CSE-AIML	International Conference on Advance Computing and Communication Systems-2024	An IOT based greenhouse remote monitoring for automation of supervision for optimal plant growth
2	Dr A Athiraja	CSE-AIML	International Conference on Advance Computing and Communication Systems-2024	Detection of Follicular thyroid cancer using YOLO V5 algorithm: A Comparative analysis with Fuzzy Seeming and singular value decomposition
3	Mrs K Sunanda	CSE-AIML	International Conference on Computing and Data Science-2024	Enhancing Network Security against APTs Through SVM based network Traffic analysis: Identifying Anomalies in Communication flows
4	K Krishna	CSE	International Conference on Industrial Engineering Journal	Under sonar signal recognition by increment data streaming using Machine Learning
5	Mrs.B.Madhavi	ECE	International conference on sustainable communication networks and applications (ICSCNA-23)	Enhanced of security in IoT using modified AES Algorithm for IoT Applications
6	Dr.N.Rajeswaran	ECE	International conference on smart electronics and communications(ICOSEC-23)	Analysis of artificial intelligence based human expression

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List of Text Books Publications

A.Y 2023-2024

Sl. No	Name of the Faculty	Department	Name of the Publisher	Title of the Paper
1	Mr G Bharath Kumar	CSE- AIML	Blue rose	Machine Learning
2	Mr K krishna	CSE	LIBRO-International Publishers	Introduction to Deep Learning
3	Mrs.Naru Divya Jyothi	ECE	Yar Tech Publications.	Embedded System, Design,Implementation And Applications
4	Mrs.K.Sreevidya	ECE	Yar Tech Publications.	Internet of Things(IoT)Unveiled A comprehensive Guide to IOT Technology,Processors,Cloud Platforms and Real-Time Applications
5	Mrs.Naru Divya Jyothi	ECE	Prime international publications	Internet-of-Things(IoT)Systems:Architectures,Algorithms,methodoligies
6	M Manjula	H & S	Walnut International Publication	Voyage into self
7	Mr.Mohaideen.A	CSE-DS	Journal of Engineering Sciences	Review on COVID-19 outbreak Prediction using Machine learning Algorithm
8	Mr Mohaideen . A	CSE-DS	SIPH	OOPs through Java

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List of Book Chapters Publications

A.Y 2023-2024

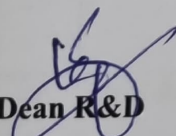| Sl. No	Name of the Faculty	Department	Name of the Publisher	Title of the Paper
1	Mrs Kande Archana	CSE	IIP Series	Black chain and AI enabled New Business models and applications
2	Mrs Kande Archana	CSE	IIP Series	IOT privacy and Security
3	Mrs Kande Archana	CSE	IIP Series	Data Sucrity, Privacy and cryptology
4	Kande Archana	CSE	IGI- Global	Bio- Inspired Optimization Techniques in Blockchain Systems: Blockchain and Ai-Enabled New Business Models and Applications
5	Kande Archana	CSE	IGI- Global	Block Chain and Entrepreneurship
6	G M Subhani	CSE	Akhini Publications	Applications of Python programming in Image Processing

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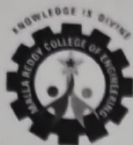Maisammaguda, Dhulapally, post via Kompally, Secunderabad - 500100

List of Conference Papers Publications

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Sl. No	Name of the Faculty	Department	Name of the Publisher	Title of the Paper
1	Dr A Athiraja	CSE-AIML	International Conference on Advance Computing and Communication Systems-2024	An IOT based greenhouse remote monitoring for automation of supervision for optimal plant growth
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3	Mrs K Sunanda	CSE-AIML	International Conference on Computing and Data Science-2024	Enhancing Network Security against APTs Through SVM based network Traffic analysis: Identifying Anomalies in Communication flows
4	K Krishna	CSE	International Conference on Industrial Engineering Journal	Under sonar signal recognition by increment data streaming using Machine Learning
5	Mrs.B.Madhavi	ECE	International conference on sustainable communication networks and applications (ICSCNA-23)	Enhanced of security in IoT using modified AES Algorithm for IoT Applications
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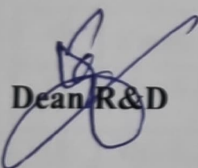Recognised under Section 2(f) & 12(B) of the UGC Act 1956, An ISO 9001:2015 Certified Institution.

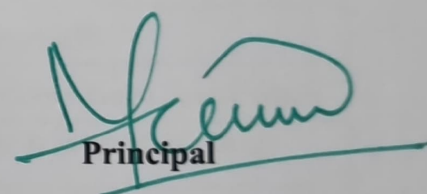Malsammaguda, Dhulapally, post via Kompally, Secunderabad - 500100

List of Journal Papers Publications

A.Y 2023-2024

Sl. No	Name of the Faculty	Department	Name of the Publisher	Title of the Paper
1	Mr B Srinivas	CSE	Journal of data acquisition and processing	Block chain in voting systems: Enhancing Transparency and Security in elections
2	Dr.N.Rajeswaran	ECE	International Journal of Algorithms for Intelligent Systems	Clustered Based Approach for Energy Efficient Routing in Wireless Sensor Networks
3	Dr.N.Rajeswaran	ECE	International Journal of Intelligent Engineering and Systems	Mammography-based computer-Aided Diagnostics for the Identification of Breast Cancer Based on machine Learning
4	Dr.N.Rajeswaran	ECE	International Journal of Engineering, Technology & Applied Science Research	Assessing Real-Time Health Impacts of Outdoor Air Pollution through IoT Integration
5	Dr.N.Rajeswaran	ECE	International Journal of Engineering, Technology & Applied Science Research	A Hybrid Intelligent Controller for Extended-Range Electric Vehicles
6	Dr.N.Rajeswaran	ECE	International Journal of Journal of Advanced Zoology	Revolutionizing Genomic instrumentation: Accelerated Base Calling with Deep Learning For Real-Time Precision
7	Mrs.B.Madhavi	ECE	International Journal of Grid and Utility Computing	Design and fabrication of dual band AMC-backed monopole antenna for WLAN and Wi-Fi applications
8	Dr.N.Rajeswaran	ECE	International Journal of Agricultural and Food Sciences, Engineering, Environmental Science	Smart Agriculture-Automatic Monitoring of Soil Moisture and irrigation Control for Farming Land
9	Dr.N.Rajeswaran	ECE	Journal of Propulsion Technology	Source Code Analysis Asterisk VOIP IP IPX: An open-source communication Toolkit
10	Dr.N.Rajeswaran	ECE	Journal of Intelligent & Fuzzy Systems: Applications in Engineering and Technology	An intelligent wearable embedded architecture for stress detection and psychological behaviour monitoring using heart rate variability
11	Mrs Y Saritha Kumari	H&S	International Journal of Scientific research in physics and applied sciences	Structural morphological and magnetic properties of manganece-dopped copper ferrite nano particles

12	Dr T V Reddy	H&S	International Journal of Environmental Analytical Chemistry	Ultra thrufty / cost effective approach to determine Alizarin Red S(ARS) in natural water supplies through 13ruthenium-cobalt modified pencil graphite as minuscule electrode
13	Dr T V Reddy	H&S	Asian Journal of Chemistry, an International Peer Reviewed Research Journal of Chemistry	ERGO-based bi Metalic Nano composite as novel sensing material for the assay 4/ nitro phenol in water sample
14	Dr.Galdson Maria Britto	CSE-DS	International Journal of Electrical and Computer Science Engineering	Deep Learning Based Multi Disease Classification of Plant Leaves Using Light weight Residual Architecture
15	Dr.Galdson Maria Britto	CSE-DS	Indonesian Journal of electrical Engineering and Computer Science	Efficient deep Leraning architecture for the classification oof disease plant leaves
16	Mr.Mohaideen.A	CSE-DS	Journal of Engineering Sciences	Review on COVID-19 outbreak Prediction using Machine learning Algorithm
17	Mrs Praveena	CSE-DS	International Journal of Experimental research and Review	The classification and segmentation of pneumonia using DL algorithms: A Comparative study
18	Dr.Galdson Maria Britto	CSE-DS	Journal of propulsion technology	Compelling method for managing farther foster system execution an cost evaluation on cloud post
19	Dr.Galdson Maria Britto	CSE-DS	Journal of Grenze Scientific society	Frequency domain features statics for cardio vascular desase diagnosis on low computationa l devices

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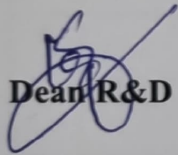Maisammaguda, Dhulapally, post via Kompally, Secunderabad - 500100

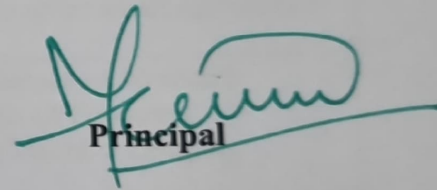# List of NPTEL Certification Courses

A.Y 2023-2024

Sl. No	Name of the Faculty	Department	Name of the Course	Title of the Subject
1	Mr Manivannan	CSE-AIML	NPTEL	Computer Networks and Internet Protocol
2	Mr C Dinesh	CSE-AIML	NPTEL	Computer Networks and Internet Protocol
3	Mr C Dinesh	CSE-AIML	NPTEL	Introduction to ML
4	Mr C Dinesh	CSE-AIML	NPTEL	The Joy of Computing Python
5	Dr G Radha Devi	CSE	NPTEL	Cloud Computing
6	Mr Ajmeera Ramakrishna	CSE	NPTEL	Introduction to IOT
7	Mr Ajmeera Ramakrishna	CSE	NPTEL	Programming in Java
8	Mr Anoop Kumar	CSE	NPTEL	Programming in JAVA
9	Kande Archana	CSE	NPTEL	Introduction to IOT
10	Kande Archana	CSE	NPTEL	The Joy of Computing Using Python
11	Mrs.S.Rajeswari	ECE	NPTEL	Introduction to Internet of Things
12	Mrs.K.Maheswari	ECE	NPTEL	Python for Data Science
13	Ms.Neha Sultana	ECE	NPTEL	Introduction to Internet of Things
14	Mrs.K.Maheswari	ECE	NPTEL	Introduction to Internet of Things
15	Mrs.Naru Divya Jyothi	ECE	NPTEL	Introduction to Internet of Things
16	Mr.P.Bala Suresh Reddy	ECE	NPTEL	Introduction to Internet of Things
17	Mr.J.Srinivas	ECE	NPTEL	Introduction to Internet of Things
18	Mr.B.Nihar	ECE	NPTEL	Introduction to Internet of Things
19	Mr.M.Shiva Kumar	ECE	NPTEL	Introduction to Internet of Things
20	Mrs.B.Madhavi	ECE	NPTEL	Introduction to Internet of Things

21	Mrs.K.Sreevidya	ECE	NPTEL	Introduction to Internet of Things
22	Ms.K.Aksa rani	ECE	NPTEL	Introduction to Internet of Things
23	Mrs.D.Radhika	ECE	NPTEL	Introduction to Internet of Things
24	Mrs.K.Sreevidya	ECE	NPTEL	Introduction to Machine Learning
25	Mrs Nagamani Gajjela	H&S	NPTEL	English Language for Competitive Exams
26	Mr K Vijay Kumar	H&S	NPTEL	Cloud Computing
27	Mr K Vijay Kumar	H&S	NPTEL	Computer Networks and Internet Protocol
28	Mr K Vijay Kumar	H&S	NPTEL	Black Chain and Its Applications
29	Mr V Ravinder	H&S	NPTEL	Cloud Computing
30	Mr Vinod Kumar Reddy	H&S	NPTEL	Cloud Computing
31	Mr Vinod Kumar Reddy	H&S	NPTEL	Black Chain and Its Applications
32	Mr Vinod Kumar Reddy	H&S	NPTEL	Computer Networks and Internet Protocol
33	Mr Vinod Kumar Reddy	H&S	NPTEL	Data Mining
34	Mr B Raju	H&S	NPTEL	Cloud Computing
35	Mr B Raju	H&S	NPTEL	Black Chain and Its Applications
36	Mr B Raju	H&S	NPTEL	Computer Networks and Internet Protocol
37	Mr B Raju	H&S	NPTEL	Data Mining
38	Mr Rathna Kumar	H&S	NPTEL	Black Chain and Its Applications
39	Mr Rathna Kumar	H&S	NPTEL	Introduction to Internet of Things
40	Mr N Kishore Kumar	H&S	NPTEL	Computer Networks and Internet Protocol
41	Mr V Ravinder	H&S	NPTEL	Introduction to Internet of Things
42	Mr B Raju	H&S	NPTEL	Introduction to Internet of Things

43	Mr K Vijay Kumar	H&S	NPTEL	Introduction to Internet of Things
44	Mr Vinod Kumar Reddy	H&S	NPTEL	Introduction to Internet of Things
45	Ms.M.Naga Sravya	CSE- DS	NPTEL	Introduction to Soft computing
46	Mrs.K.Parijatha	CSE- DS	NPTEL	Python for Data Science
47	Mrs.T.Naga Praveena	CSE- DS	NPTEL	Python for Data Science
48	Mr Mohaideen . A	CSE- DS	NPTEL	Database management Systems
49	Mrs K Parijatha	CSE- DS	NPTEL	Database management Systems
50	Mr Radhakrishnan	CSE- DS	NPTEL	Database management Systems
51	Ms Naga Sravya	CSE- DS	NPTEL	Natural Language processing

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List of Patent Publications

A.Y 2023-2024

Sl. No	Name of the Faculty	Department	Type of the Patent	Title of the Patent
1	Mr C Dinesh	CSE-AIML	Design Patent 400398-001	Instrument used for detection of diabetic neuropathy
2	Mr Manivannan	CSE-AIML	Filed Patent 202441015060 A	An Intelligent Irrigation system for efficient cultivation: Integrating IOT with machine Learning
3	Mr Manivannan	CSE-AIML	Filed Patent	Machine Learning and Deep Learning Techniques for agricultural yield prediction in changing climates
4	Mr Manivannan	CSE-AIML	Filed Patent 202441031530	Machine Learning and Image Processing in detecting and Classifying plant Leaf Diseases
5	Mr Manivannan	CSE-AIML	Filed Patent 202441028484	Optimizing irrigation efficiency using IOT and machine learning for smart agriculture systems
6	Mrs K Sunanda	CSE-AIML	Filed Patent 202441028518	Exploring the influence of Women's Financial Inclusion on Economic empowerment: A Machine Learning Perspective
7	Mr C Dinesh	CSE-AIML	Design Patent 6364791	AI Based Brain Humar Detection device
8	Mr C Dinesh	CSE-AIML	Design Patent 6364642	AI based blood Cancer Detection Device
9	Mr C Dinesh	CSE-AIML	Design Patent 6354450	Battery management Device for electric vehicle
10	Mrs Laxmi Prasanna	CSE-AIML	Filed Patent 202411035159	Predictive Analysis of Stack market Trends using AI and ML Techniques
11	Mr Manivannan	CSE-AIML	Design Patent 6373619	Device for transparent blockchain communication
12	Mr Manivannan	CSE-AIML	Filed Patent 202441041428	A role of ML and Biotechnology in Autonomous harvesting and Data Driven management for advancement in agriculture
13	Anju Gopi	CSE-AIML	Filed Patent 202441040826	Drone enabled ML models for precise Air Quality Forecasting in smart Cities
14	Mr G Bharath Kumar	CSE-AIML	Design Patent 399996-001	IOT Based Device for weather monitoring and natural disaster prevention
15	Mrs Mineesha S	CSE-AIML	Filed Patent 202441045636	ML and graph theoretical Analysis of mathematical thinking skills of students in higher education

#	Name	Dept	Patent	Title
16	Dr G Radha Devi	CSE	Design Patent 6347532	A prehistorian safety barrier
17	Dr Vivekanandhan	CSE		
18	Dr Vivekanandhan	CSE	Filing Patent 202441009535	A smart Healthcare monitoring system using cloud centric authentication model
		CSE	Filing Patent 202441009535	Artificial Intelligence Framework with Machine Learning Techniques for Anomaly Detection in IOT Networkss authentication model
19	K Sandhya Vani	CSE	Design Patent 6352928	Sensor based Air Quality Checking Device
20	Ediga Lingappa	CSE	Filing Patent Application: 2022441012264 A	Emotion detection to make out understanding of a Lecture using Machine Learning
21	Ediga Lingappa	CSE	Filing Patent Application: 202441011985 A	Secure File storage system on Cloud Using Cryptography
22	B venkatesh	CSE	Filing Patent 202441012001 A,	Analysis of Women safety in Indian cities using Tweepy and TextBlob on tweets
23	L laxmi Reddy	CSE	Filing Patent Application: 202441011997 A,	Advanced Filtering systems for Instagram Hash Tags through Cloud tagging and its Algorithm
24	T Tharuna Varalaxmi	CSE	Filing Patent Application: 202441011994 A,	A smart Systems for drug disease prediction using gradient boosting technique
25	Mrs.B.Madhavi	ECE	Design Patent number:6337344	Sensor Based Camera For Healthcare Management
26	Mrs.Naru Divya Jyothi	ECE	Filing Patent Application number : 202341075524	The Implementation Of Iot In Greenhouse Farming: Protocols And Applications Of Enabling Technologies
27	Mrs.K.Sreevidya	ECE	Filing Patent Application number: 202321061087	Prediction of skin cancer in real time using machine learning and mobile app hosted in the cloud
28	Mrs.Naru Divya Jyothi	ECE	Filing Patent Application Number:2023410 58656 A	Intelligent Car parking Application using Android studio and machine learning
29	Mrs Shivapriya	H&S	Design Patent Design no: 6364693	A Device for diagnosis of Brain Tumors using Machine Learning and Sensors
30	Mrs Karuna Sri	H&S	Filing Patent Application No: 202441027951	Electro-Polymer solutions for advancing water Treatment with PEDOT conductive Polymers
31	Dr Madhavi	H&S	Filed Patent Application No: 202441000808	The Impact of Transitioning from Micro to Nano in Low dimensional Semiconductors on MOS logic

32	Dr N Prakash	H&S	Design Patent 390900-001	Wind/Solar Power Charging Station For Vehicle
33	Dr Sneha Jhoshi	H&S	Design Patent 359953-001	Space rover driven by artificial Neural network model
34	Dr.Galdson Maria Britto	CSE-DS	Patent (App.No:202441 007168)	Light Repository Blockchain System with Multisecret Sharing for Industrial Big Data
35	Mrs.D.Kranthi Deep	CSE-DS	Patent (APP.No.:202441 009139)	A Novel Approach to DNA Sequence Classification: Machine Learning and Pattern Matching
36	Mrs.D.Kranthi Deep	CSE-DS	Filed Patent (APP:202341066 627)	A Novel Approach to greenhouse Automation Using Internet of Things and deep Learning
37	Mrs.P.V.Harika	CSE-DS	Filed Patent (App.No:202441 013969)	Emergency Prevention in Hydroeletric Dams:A Time-Series Forecasting Approach Using Machine Learning
38	Mr.Sravanthi.K	CSE-DS	Patent (Design No:6363332)	AI Based device for Inventory Management
39	Mr.v.Tharmalingam	CSE-DS	Filed Patent (202341078403)	Machine Learning and Digital Marketing Techniques for Enhancing fast-moving Consumer Goods(FMCG) brands in Developing economics
40	Mr Mohaideen . A	CSE-DS	Filed Patent 202311054414	ML based approaches for identification and prediction of multiple myeloma
41	Ms Amulya P	CSE-DS	Filed Patent 202341062975	Intelligent Charging station for E-vehicle based on IOT
42	Mr Ravi Kumar	CSE-DS	Filed Patent 202341065509	A smart home energy Management Systems Using AI and IOT
43	Mr Ravi Kumar	CSE-DS	Filed Patent 20233164032	Integration of Image Processing with ML based approaches for plant health and disease detection

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