



Stanley College of Engineering and Technology for Women
(Autonomous)
(Affiliated to Osmania University)
(Accredited by NAAC with "A" Grade, Accredited by NBA)
ABIDS, HYDERABAD-500001



Internal Quality Assurance Cell

Date: 29/01/2024

Summary Report for R&D
Department of Computer Engineering (CME)

Suman
Dept. Coordinator
(Name and Signature)

Sri-Dileep
Head 30/1/24
(Name and Signature)



1. Research Funding

Name of the Investigator	Title of the Project	Duration	Total Cost	Funding Agency	Dept	Status-Granted /Applied

2. PhD Supervision/Guidance

Name and Designation of Faculty	Major Areas of Research	Number of PhDs produced (in last 5 years)
Dr. K. Vaidehi (Associate Professor)	Image Processing, Machine learning, Deep learning, Medical Image processing	4(Pursuing)

3. Publications Journals - SCI/SCOPUS/UGC CARE/ Peer Review/ Web Of Science

S.No	Department	Author Name	Title of Paper	Name of the Journal	Volume	Page no.s	Year	SCI/SCOPUS/UGC/WoS/Peer Review
2022-2023								
1.	CME	Dr.K.Vaidehi, Sumera	Implementation of CNN & ANN for fashion MNIST dataset using different optimizers	Indian journal of science and technology (WOS)	Volume: 15, Issue: 47	2639-2645	2022	WOS
2.	CME	Dr. K. Vaidehi	Human Behavior Classification using 2D-Convolutional Neural Network.	Indian Journal of Science and Technology (WOS)	Volume: 16, Issue: 16	1221-1229	2023	WOS
3.	CME	Dr. K. Vaidehi	A hybrid location-dependent ultra-convolutional neural network-based vehicle number plate recognition approach for intelligent transportation systems	Concurrency and Computation: Practice and Experience, (Wiley) (SCI)	Volume 35, Issue 8	e 7615	2023	(Wiley) (SCI)
4.	CME	Dr.K. Vaidehi	A hybridized channel selection approach with deep convolutional neural network for effective ovarian	Concurrency and Computation: Practice and Experience,	Volume 35, Issue 5	E 7568	2022	(Wiley) (SCI)

			cancer prediction in periodic acid-Schiff-stained images	(Wiley) (SCI)				
5.	CME	Dr.K. Vaidehi	Automated Math Symbol classification using SVM	International Journal of E-collaboration (IGI) (WOS)	Volume 18, Issue 2	1-14	2022	(IGI) (WOS)
6.	CME	Dr.K. Vaidehi	Plastic and non-plastic separation from trash using SSD mobilenet based object detector	Advanced Engineering Science (Scopus)	Volume 54, Issue 02	ISSN: 2096-3246	2022	(Scopus)
7.	Mathematics/ H&S	Dr G Shirisha	Dynamical Behavior of Cooperative Supportive System Involving Intra-Network Delays in Information Propagation	Journal of Applied Nonlinear Dynamics		ISSN:2164-6457 (print) ISSN:2164-6473 (online) 719-739	2022	
2021-2022								
1.	CME	Sumera, Dr. K. Vaidehi	Automated Glaucoma Detection using Machine Learning Approaches	Turkish Online Journal of Qualitative Inquiry	Volume 12, Issue 7	8255 - 8260	July 2021	(Scopus)
2.	CME	Dr. D. Shrivani	Image Processing: Human Facial Expression Identification using Convolutional Neural Networks	Turkish Online Journal of Qualitative Enquiry (TOQJ)	Volume 6	6169-6176	July 2021	(Scopus)
3.	CME	Dr. K. Vaidehi	Object Recognition and Detection using Yolo V3	Turkish Online Journal of Qualitative Enquiry (TOQJ)	Volume 12, Issue 7	8268-8275	July 2021	(Scopus)
4.	CME	Dr. K. Vaidehi	A Review on Animal Detection Using Different Detection Techniques	Turkish Online Journal of Qualitative Enquiry (TOQJ)	Volume 12	8249-8254	July 2021	(Scopus)
5.	CME	Ms. Asma Begum	Twitter Sentiment Analysis	IJEMR	Vol11 Issue 06		2022	UGC-Care
6.	CME	Ms. Asma Begum	Intelligent Video Surveillance Using Deep Learning	IJEMR	Vol11 Issue 06		2022	UGC-Care

7.	CME	Ms. Asma Begum	Missing Child Identification Using Deep Learning & Multiclass SVM	IJEMR	Vol11 Issue 06		2022	UGC-Care
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4. National Conference Publications

S.No	Department	Author Name	Title of Paper	Name of the Conference	Volume	Page no.s	Year

5. International Conference Publications

S.No	Department	Author Name	Title of Paper	Name of the Conference	Volume	Page no.s	Year
2022-2023							
1.	AI&DS	Dr. K.Vaidehi	Drivers Drowsiness Detection using Image Processing and I-Ear Techniques	7th International Conference on Intelligent Computing and Control Systems (ICICCS),	Electronic ISSN: 2768-5330 Print on Demand(PoD) ISSN: 2768-5322"	pp. 1326-1331	May 17-19, 2023.
2.	AI&DS	Dr. K. Vaidehi	An Automated System to Preprocess and Classify Medical Digital X-rays	2 nd International Conference on Pervasive Computing and Social Networking (ICPCSN 2022)	Networking, Lecture Notes in Networks and Systems 475	Print ISBN 978-981-19-2839-0. Online ISBN 978-981-19-2840-6	3-4 th March 2022.
3	AI&DS	Dr.K. Vaidehi	Intelligent Home Surveillance System using Convolution Neural Network Algorithms	ICESC-2023	Electronic ISBN:979-8-3503-0009-3 DVD ISBN:979-8-3503-0008-6 Print on Demand(PoD) ISBN:979-8-3503-0010-9	Page(s):1683 - 1688	2023
4.	AI&DS	Sumera	Light fidelity (Li-Fi): A wireless technology	International Conference on Recent Advancements in Artificial Intelligence and Soft Computing ICAISC-2022			2022
Articles / Chapters published in Books							
6.	AI&DS	Dr.K. Vaidehi	Classification of Animals Using MobileNet with SVM	Lecture Notes on Data Engineering and Communication	Volume 139	ISBN : 978-981-19-3014-0	2022(09-09-2022)

			Classifier	Technologies (proceedings of ICCMDE 2021)			
7.	AI&DS	Dr. K.Vaidehi	Vision-Based Personal Face Emotional Recognition Approach Using Machine Learning and Tree-Based Classifier	Lecture Notes in Networks and Systems, Inventive computation and Information technologies. (proceedings of ICICTT 2021)	Volume 336	ISBN : 978-981- 16-6722-0	2022(12- 01-2022)
2021-2022-NA							

6. List of scientific/ technical Books written by Faculty Members in the College.

S.No	Dept.	Author Name	Title of the Book	Name of the Publisher	Volume	Page no.s	Year	International/ National
1.	CME	Nandita Manvar	Data Mining and Data Warehousing	Scientific International Publishing House (SIPII)	ISBN NO: 978-93- 5625-688-0		2023	International

7. Consultancy Projects

Name of the Investigator	Title of the Project	Duration	Total Cost	Funding Agency	Dept	Status- Granted /Applied

8. List of patents filed/granted Department wise

S.No	Dept	Name of the Inventor	Title of the Invention	Year	Granted/ Published
2022-2023					
1.	CME	Dr. K. Vaidehi, Sumera,	A system and method for a deep learning network for multi-label classification with partial annotations	2022 (11/11/ 2022)	Published
2.	CME	Asma Begum	AI and IOT Based smart walking stick for visually impaired with alerting unit	2023 10/02/2 023	Granted
3.	CME	NanditaManvar, Asma Begum	A Deep Learning Based Medical Information Extraction System Having Distributed Semantic Features And Method Thereof	2022	Published
2021-2022					
1.	CME	Dr. K. Vaidehi	Design Patent	2022	Published