



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:19/7/2023

Summary Report for R&D-CSE

Dept. Coordinator  
(Name & Signature)

Dr. M. Swapna

Associate Professor

Head  
(Name & Signature)

### 1. Research Funding

Name of the Investigator	Title of the Project	Duration	Total Cost	Funding Agency	Dept	Status-Granted /Applied
Dr.B.V. Ramana Murthy	Data Supervision and Computing Lab	2 Years	11.22 Lacs	AICTE(MODROB)	CSE	Data Supervision and Computing Lab
Dr M.Swapna	VIRTUAL REALITY & AUGMENTAL REALITY MODEL FOR SMART EDUCATION	2 years	21,62,950	SERB	CSE	Applied
Dr Satya Prasad Lanka	Application for 5G use case lab in higher education Institutions			Department of Telecommunications Ministry of Communications, Government of India	ECE	Applied

### 2. PhD Supervision/Guidance

Name and Designation of Faculty	Major Areas of Research	Number of PhDs produced (in last 5 years)
Dr. A. Vinaya Babu-Professor	Cloud Computing, Data Mining	2
Dr. B.V.Ramana Murthy-Professor	Software Engineering, Machine Learning	5-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
1	CSE	Dr B.V.Ramana Murthy	An intelligent optimized cyclone intensity prediction framework using satellite	Springer earth SCIenec Informatics	31	1-13	2023	SCI

			images					
2	CSE	Dr B.V.Rama na Murthy	FORECASTI NG MODELS FOR ARRIVALS AND PRICES OF TOMATO AT SELECTED MARKETS IN KURNOOL DISTRICT OF ANDHRA PRADESH.	International Journal of Agricultural & Statistical Sciences	18	169 5- 170 1.	202 2	Scopus
3	CSE	Dr B.V.Rama na Murthy	Assessment of Variability of Rainfall and Canal Water under Telugu Ganga Project Command in Andhra Pradesh	International Journal of Plant & Soil Science	34	137 5- 139 2.	202 2	Scopus
4	CSE	Dr B.V.Rama na Murthy	Data Evolution Trends - Data Mining	International Journal of All Research Education and Scientific Methods	10	615 - 617	202 2	UGC
5	CSE	Dr B.V.Rama na Murthy	Market Basket Analysis using Apriori algorithm & AHP - A Critical Interpretation	International Journal of All Research Education and Scientific Methods				
6	CSE	Dr YVS Sai Pragathi	An intelligent optimized cyclone intensity prediction framework	Springer earth SCIenec Informatics	31	1- 13	202 3	SCI

			using satellite images					
7	CSE	Dr YVS Sai Pragathi	Steganography of Encrypted Messages inside Valid QR Codes Using Wavelet Transforms	Journal of Engineering Sciences	13	628 - 640	2022	UGC
8	CSE	Dr YVS Sai Pragathi	Personality aware Product Recommendation System based on User Interests Mining and Meta path Discovery		13	641 - 649	2022	UGC
9	CSE	Dr YVS Sai Pragathi	Data Evolution Trends - Data Mining	International Journal of All Research Education and Scientific Methods	10	615 - 617	2022	UGC
10	CSE	Dr YVS Sai Pragathi	Market Basket Analysis using Apriori algorithm & AHP - A Critical Interpretation	International Journal of All Research Education and Scientific Methods				
11	CSE	Mrs.T.Mo nika Singh	Image Captioning Using Convolutional Neural Network and Transformer ML	Journal of Basic Sciences	23	406 - 414	2023	Scopus



12	CSE	Dr C Kishor Kumar Reddy	An intelligent optimized cyclone intensity prediction framework using satellite images	Springer earth SCienec Informatics	31	1-13	2023	SCI
13	CSE	M.Sowmya	Human Activity Recognition Using CNN and LSTM	Journal of Basic Sciences		367-381	2022	Scopus
14	CSE	M.Sowmya	Human Behaviour Classification using 2D CNN,VGG16 and ResNet50	WOS		1221-1229	2023	WOS
15	CSE	Dr M.Swapna	A Generative Adversarial Network Approach to Demarcate Factual and factitious images in Fashion Design	Journal For Basic Sciences	22		2022	Scopus
16	CSE	Dr M.Swapna	Smart Education Using Augmented Reality & Virtual Reality	Journal For Basic Sciences	23	814-819	2023	Scopus
17	CSE	Dr P R Anisha	An intelligent optimized cyclone intensity prediction framework using satellite images	Springer earth Science Informatics	31	1-13	2023	SCI
18	CSE	Dr. Shivani	A Combined Approach of	Journal of pharmaceu	volu me	pag e	2023	Scopus

		Yadao	Web Content Mining and Neural Networks for Predicting the societal impact of covid-19 through twitter	tical negative results,	13	58.		
19	CSE	Dr. Shivani Yadao	A HYBRID ONTO-REGRESSIVE SEMANTIC APPROACH FOR OPINION MINING THE SOCIETAL IMPACT OF COVID-19	Acta Biomed	Vol. 94	page 952	2023	peer review
20	CSE	Sumayya Afreen	Handwriting Analysis for detection of personality traits using machine learning approach	International Research Journal of Modernization in Engineering Technology and Science				

#### 4. National Conference Publications

S.No	Department	Author Name	Title of Paper	Name of the Conference	Volume	Page no.s	Year
1	CSE	Dr BV Ramana Murthy,	Framework of Crop Yield Using pH Soil and Temperature Values	Communication, Software and Networks: Proceedings of INDIA 2022		573-581	2022
2	CSE	M. Sowmya	Classification of Animals Using MobileNet with	Computational Methods and Data Engineering.	139	347-358	2022

			SVM Classifier	Lecture Notes on Data Engineering and Communications Technologies.			
3	CSE	Dr R.Manivannan	An Automated System to Preprocess and Classify Medical Digital X-Rays	Lecture notes in networks	475	789-802	2022
4	CSE	Dr R.Manivannan	Vision-Based Personal Face Emotional Recognition Approach Using Machine Learning and Tree-Based Classifier	Inventive Computation and Information Technologies	336	561-573	2022
5	CSE	Dr R.Manivannan	Automated Math Symbol Classification Using SVM	International Journal of e-Collaboration	18		2022

#### 5. International Conference Publications

S.No	Department	Author Name	Title of Paper	Name of the Conference	Volume	Page no.s	Year
1	CSE	Dr C Kishor Kumar Reddy	Recognition and Adoption of an Abducted Child Using Haar Cascade Classifier and JSON Model	Intelligent System Design: Proceedings of INDIA		409 - 418	2022
2	CSE	Dr M Swapna	A Product Recommendations based on Emotion detection Using Artificial Intelligence	II International Conference on Computational Intelligence & Data Engineering	11	253 - 261	2023

3	CSE	Dr P R Anisha	Recognition and Adoption of an Abducted Child Using Haar Cascade Classifier and JSON Model	Intelligent System Design: Proceedings of INDIA	409 - 418	2022
4	CSE	Dr P R Anisha	"SEG – Smart Exosuit Glove for Data Driven Physiotherapy"	16 th International Conference on Sensing Technology (communicated)		2023
5	CSE	Dr P R Anisha	"Detecting Anomalies in Smart Wearable's for Hydrertemtion: A Deep Learning Mechanism",	20 th India Council International Conference(communicated)		2023
6	CSE	Ghousia Begum	Recognition and Adoption of an Abducted Child Using Haar Cascade Classifier and JSON Model	Intelligent System Design: Proceedings of INDIA	409 - 418	2022
7	CSE	Dr C Kishor Kumar Reddy	Recognition and Adoption of an Abducted Child Using Haar Cascade Classifier and JSON Model	Intelligent System Design: Proceedings of INDIA	409 - 418	2022

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
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1	CSE	Dr C Kishor Kumar Reddy	Intelligent Systems and Machine Learning for Industry Advancements, Challenges, and Practices	Taylor & Francis	NA	1-362	2022	International
2	CSE	Dr M Swapna	Advances in Science, Technology- Music Therapy Based on Facial Emotion Predicted System	SHANLAX		86	2022	International
3	CSE	Dr M Swapna	Advances in Science, Technology- Influence of Manganese (Mn) and Dysprosium (Dy) Doping on the Magnetic Properties of Yttrium Iron Oxide (YFeO <sub>3</sub> ) Multiferroic Materials	SHANLAX		51	2022	International
4	CSE	Dr P R Anisha	Smart Sensors for Industry 4.0 : Fundamentals, Fabrication and IIoT Applications,	WILEY		ACCEPTED	2023	INTERNATION

#### 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
1	CSE	Dr M.Swapna	System and Method ForAccelerating AndOptimizingTheProcessing of machinelearning Techniquesusinga Graphics processingunit	2022	Published
2	CSE	Dr M.Swapna	A Conceptual Model forthe Application ofArtificialIntelligence to Sustainable Model	2022	Published
3	CSE	Mrs.T.Monika Singh	Co-Location of Latency Cloud Computing With Multi-Agent Task Managing	2022	Published
4	CSE	K.srilatha	COMMUNITY RISK MONITORING AND PREVENTION METHOD BASED on IoT and Deep learning	2023	published
5	CSE	Ms. Shugufta Fatima	Co-Location of Latency Cloud Computing With Multi-Agent Task Managing	2022	Published
6	CSE	Dr Shivani Yadao	AI AND IOT BASED SAMRT WALKING STICK FOR VISUALLY IMPAIRED WITH ALERTING UNIT	2023	Granted - Design patent
7	CSE	Dr Shivani Yadao	A METHODOLOGICAL STRATEGY FOR USING MACHINE LEARNING TECHNIQUES IN THE ENDEAVOUR OF FORECASTING JUDICIAL DECISIONS	2022	Published
8	CSE	Dr Shivani Yadao	Co-location of Latency Cloud Computing with Multi-Agent Task	2022	Published

			Managing		
9	CSE	Sumayya Afreen	AI AND IOT BASED SAMRT WALKING STICK FOR VISUALLY IMPAIRED WITH ALERTING UNIT	2023	Granted - Design patent
10	CSE	D. Radhika	AI AND IOT BASED SAMRT WALKING STICK FOR VISUALLY IMPAIRED WITH ALERTING UNIT	2023	Granted - Design patent



# **Stanley College of Engineering and Technology for Women**

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## **Department of Computer Science and Engineering**

**AY 2019-2020**

### **RESEARCH PROPOSAL**

<b>S n o</b>	<b>Name of Faculty</b>	<b>Name of Scheme</b>	<b>Title</b>	<b>Duration</b>	<b>Budget</b>	<b>Remarks</b>
<b>1</b>	<b>Dr.B.V.RamanaMurthy</b>	<b>AICTE-Modrobs</b>	<b>Data Supervision and Computing lab</b>	<b>2 years</b>	<b>11,22,745</b>	<b>Sanctioned</b>
<b>2</b>	<b>Dr.B.Srinivasu</b>	<b>AICTE-FDP</b>	<b>2 week FDP on Artificial Intelligence,Machine Learning and Deep learning:Research and application perspective</b>	<b>6 months</b>	<b>2,36,000</b>	<b>Applied</b>
<b>3</b>	<b>Dr.D.Shravani</b>	<b>AICTE-STTP</b>	<b>Research issues &amp; Methodologies in Engineering &amp; Technology</b>	<b>6 months</b>	<b>1,50,000</b>	<b>Applied</b>
<b>4</b>	<b>Dr.K.Vaidehi</b>	<b>AICTE-Conference</b>	<b>National Conference for Women on Innovations in Science Engineering &amp; Technology.</b>	<b>2 days</b>	<b>163,333(sanctioned)</b>	<b>Sanctioned</b>
<b>5</b>	<b>Dr.C.Kishorekumar reddy</b>	<b>AICTE-RPS</b>	<b>Design of Intelligent emotion recognition system by analyzing brain activity EEG signals using Data mining and signal processing techniques</b>	<b>3 years</b>	<b>4,89,138</b>	<b>Applied</b>
<b>6</b>	<b>Dr.B.Srinivasu</b>	<b>SERB-Matrices</b>	<b>MTR/2020/000143</b>			<b>Applied</b>





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## **Department of Computer Science and Engineering**

**AY 2019-2020**

### **Consultancy**

<b>Sno</b>	<b>Name of Faculty</b>	<b>Consultancy organisation</b>	<b>Project Title</b>	<b>Duration</b>	<b>Budget</b>	<b>Remarks</b>
<b>1</b>						
<b>2</b>						



## **Stanley College of Engineering and Technology for Women**

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### **Department of Computer Science and Engineering**

**AY 2019-2020**

### **PATENTS**

#### **Patents Registered and Published**

<b>Academic Year</b>	<b>Title</b>	<b>Patent Registered Details</b>	<b>Relevant Data</b>	<b>Date</b>
2019-20	1.Crop-Prediction: Intelligent Prediction of crop with the help of PH,Soil and temperature values using Deep Learning and IOT based Technology	Dr.B.V.Ramana Murthy ,Dr.C.Kishore Kumar Reddy, P.R.Anisha, Rajashekar Shastry	Application No: 201941050895	13/12/2019
	2.ISLIQ-OC improved supervised learning in quest using optimal mechanism to nowcast snow/No-snow	Dr.C.Kishore Kumar Reddy , P.R.Anisha, Rajashekar Shastry, Dr.B.V.Ramana Murthy	Application No: 201941053333	27/12/2019
	3.Security Intelligent Home Security using vibration sensor and RFID kit	Dr.B.V.Ramana Murthy ,Dr.C.Kishore Kumar Reddy, P.R.Anisha	Application No: 201811034650	29/12/2019