

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**  
**RESEARCH AND DEVELOPMENT CELL**  
**Department of Mathematics (2024-25)**

## **I. Sponsored Research:**

I. Sponsored Research:							Status Completed/Ongoing
S.No	Year of Sanction	Title of the Sponsored Project	Duration of Project	Name of the Funding Agency	Grant Amount in Rupees	Principal Investigator Name	
1.	NIL	NIL	NIL	NIL	NIL	NIL	NIL

## **II. Consultancy and training services:**

(a) Consultancy projects handled:

II. Consultancy and training etc.							
(a) Consultancy projects handled:							
S.No.	Year of Sanction	Title of the consultancy Project	Duration of Project	Name of the Industry / organization	Amount mobilized in Rupees	Principal Investigator Name	Status Completed/Ongoing
1.	NA	NA	NA	NA	NA	NA	NA

**(b) Academic Consultancy services offered:**

(b) Academic Consultancy services offered:				
S.No.	Type of service	Target Audience and Number	Duration	Amount charged
1.	NA	NA	NA	NA

### **III. Publications**

(a) Journals (National):

(b) Journals (International):

S.No.	Name of the Faculty	Month and Year of Publication	Title of the Paper	Name of the Journal	UGC/Scopus/SCI/SCIE / Others (Impact Factor)	Total number of Authors	First author / Supervisor / Co-author	ISBN / ISSN number	Citation Index	h-index
1	<b>Dr. N Vasudha</b>	April 2025	Transformers-Based Multimodal Deep Learning for Real-Time Disaster Forecasting and Adaptive Climate Resilience Strategies	International Journal of Computational and Experimental Science and Engineering	Scopus	6	Co-author	2149-914	-	21
		March-2025	MAXIMIZING THE EFFICIENCY OF AI BASED IOT DEVICES WITH UPGRADED 802.11 AND 802.16 BASED NETWORKS TO OPTIMIZE NETWORK CONGESTIONS	Journal of Theoretical and Applied Information Technology	Scopus	6	Co-author	1992-8645	-	42
2	<b>Dr.T.Ramprasad</b>	March,2025	BIANCHI TYPE VI <sub>0</sub> GENERALIZED GHOST PILGRIMS DARK ENERGY COSMOLOGICAL MODEL IN SAEZ-BALLESTER THEORY OF GRAVITATION	East European Journal of Physics	SCOPUS(Q3) & Web of Science Core Collection (ESCI) IF:1.7	04	First author	ISSN 2312-4539 (Online) ISSN 2312-4334 (Print)	1.8	

3	<b>Dr. R.Hari Kishore</b>	20 December 2024	Hybridized data encoding based encryption and Diffie Hellman decryption for security enhancement	Knowledge-Based Systems	Scopus Science Citation Index Expanded (SCIE)	5	5 <sup>th</sup> position	Online ISSN: 1872-7409 Print ISSN: 0950-7051	-	188	
		18/12/2024	Breast cancer image classification by using HCNN and LeNet5	Discover sustainability	Scopus	4	3rd <sup>h</sup> position	2662-9984	-	18	
4	<b>Dr.Ch.N.Anuradha</b>	March-2025	EFFICIENT SUPERVISED MACHINE LEARNING FOR CYBERSECURITY APPLICATIONS USING ADAPTIVE FEATURE SELECTION AND EXPLAINABLE AI SCENARIOS	Journal of Theoretical and Applied Information Technology	SCOPUS	06	First author	E-ISSN:1817-3195 ISSN: 1992-8645			

(c) Conference:

S.No.	Name of the Faculty	Title	Name of the conference	Duration of conference	International / National	Location where the event is organized	Professional Body Involved in Publication (IEEE / Elsevier / Springer / etc., / Others) Department has to customize as per department professional bodies	Citation Index if available
1.	<b>Dr. N Vasudha</b>	Nature-Inspired Adaptive Evolutionary Swarm Optimization for Energy-Efficient Computational Mathematics in High-Performance Computing System	International Conference on Inventive Computation Technologies (ICICT-2025)	23 <sup>rd</sup> to 25 <sup>th</sup> April, 2025 (3 days)	International	Tribhuvan University, Nepal	IEEE	-

2	Dr.Ch.N.Anuradha	NEXT-GEN RECRUITMENT: AN AI POWERED HIRING ECOSYSTEM USING NLP	Proceedings of the 6th International Conference on Inventive Research in Computing Applications (ICIRCA-2025)	25 <sup>th</sup> June to 27 <sup>th</sup> June-2025 (3 days)	International	Coimbatore, India	IEEE	
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(d) Text Book

S.No.	Name of the Faculty	Title of the Book	Name of the Publisher	Month and Year of Publication	ISBN/ISSN number	National or Inter National	Total number of Authors	First author (YES/NO)
1								

(e) Chapters in Books

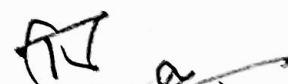
S.No	Name of the Faculty	Title of the Book	Name of the Publisher	Month and Year of Publication	ISBN/ISSN number	National or Inter national	Number of Chapters published	Total number of Authors	First author (YES/NO)
1									

(f) Student publications:

S.No.	Name of the Student	Month and Year of Publication / presentation	Title of the Paper	Name of the Journal / conference	National / International	UGC/Scopus/SCI/SCIE / Others / Professional Body Involved in conference publication (IEEE / Elsevier / Springer / etc., / Others) Department has to customize as per department professional bodies (Impact Factor)	Co Authors details	ISBN / ISSN number

N. Vasudha

(Dr. N Vasudha)  
R & D Coordinator

  
(Dr. T Sridhakar Rao)  
HoD, Mathematics