

## Research – CSE

### Total Number of Publications:

Sl. No	Year	Total no of publications
1	2020-21	52

### Journal

2020-21						
Sl.No.	Name of Faculty	Title of paper	Refereed or Not	Publication Details (Journal Name, Vol Impact factor)	ISSN/ISBN Number,	month & year
1.	Dr. Rajesh TM	SMART URT A NLP FRAMEWORK	Yes	International Journal of Creative Research Thoughts (IJCRT)	2320-2882	2020
2.	Dr. Bondu Venkateswarlu	Tree Integrated High Utility Miner for Improving an Efficiency of Association Mining	Yes	TEST Engineering & Management	0193 – 4120	2020
3.	Dr. Reeja S R	Leaf Disease Identification using Convolution Neural Network (CNN)	Yes	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2278-3075	2020
4.	Dr. Sanjay Chitnis	Game theory trust model with authentication and AES encryption	Yes	International Journal of Advanced Science and Technology	2005-4238	2020

		(GTAAES) model for secure data aggregation in WSN				
5.	Dr.Renukadevi M.N, Gowri Srinivasa	Speech quality Assessment using audio features	Yes	Journal of university of shanghai for science and technology JUSST	ISSN: 1007-6735. Volume 22.Issue -10 Scopus Indexed	October, 2020
6.	Gousia Thahniyath	Secure and load balanced routing model for wireless sensor networks	Yes	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.jksuci.2020.10.012">DOI:10.1016/j.jksuci.2020.10.012</a>	October, 2020
7.	Renuka Devi M.N Gowri Srinivasa	Characterization and Detection of Behavioral Patterns in Videos	Yes	Seybold Journal Report	ISSN NO: 1533-9211	2020
8.	Nazmin Begum	Study on Face Recognition System'	Yes	Gradiva Review Journal	ISSN: 0363-8057, DOI:10.37897.GRJ.2021.V716.21.213	2021
9.	Dr. Bondu Venkateswarlu	Machine learning–based heart disease prediction system for Indian population: An exploratory study done in South India	Yes	Medical Journal Armed Forced India	<a href="https://doi.org/10.1016/j.mjafi.2020.10.013">https://doi.org/10.1016/j.mjafi.2020.10.013</a>	July, 2021
10.	Dr. Rajesh T.M	Video Based Sub-Categorized Facial Emotion Detection Using LBP and Edge Computing	Yes	Revue d'Intelligence Artificielle	DOI: <a href="https://doi.org/10.18280/ria.350106">10.18280/ria.350106</a>	February, 2021

## Conference Publication

Sl. No	Name of Faculty	Title of paper	Conference Name	Publication Month and Date
1	Dr. Girisha G S	Proof of Authentication for Secure and Digitalization of Land registry using Blockchain technology	4th INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND COMMUNICATION (ICICC - 2020)	05 May 2021
2	Dr. Girisha G S	Identifying handwriting difficulties in children in Devanagari script using Machine Learning.	4th INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND COMMUNICATION (ICICC - 2020)	05 May 2021
3	Prof. Lavanya B Koppal Dr. Rajesh T M	A novel Model for Disease Identification in Mango Plant Leaves using Multimodal Conventional and Technological Approach	4th INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND COMMUNICATION (ICICC - 2020)	05 May 2021
4	Dr. Rajesh T M Dr. Shaila S G Prof. Lavanya B Koppal	An Efficient Framework to Bifurcate Healthy and Diseased Vegetables & Fruits Using Multimodal Approach	4th INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND COMMUNICATION (ICICC - 2020), Springer	5.5.2021
5	Dr Saswati Debnath, Prof. Vijin Justin, Prof. Shradha Naik	Study of different feature extraction method for visual speech recognition	2021 International Conference on Computer Communication and Informatics (ICCCI -2021)	Jan. 27 – 29, 2021

<b>6</b>	Prof.Bindu Madavi K P	Analysis of security challenges and threats in Social network and cloud computing	National level on Intelligent Technology in Electronics, Computing and Communication-ITECC 2021	8th january 2021
<b>7</b>	Dr. Shaila S G	Music Therapy for Transforming Human Negative Emotions: Deep Learning Approach	9TH INTERNATIONAL CONFERENCE ON RESEARCH TRENDS IN COMPUTING (ICRTC- 2021), SPRINGER	4th and 5th JUNE, 2021
<b>8</b>	Dr. Shaila S G	Sarcastic Sentiment Detection and Polarity classification of Tweets using Supervised Learning	9TH INTERNATIONAL CONFERENCE ON RESEARCH TRENDS IN COMPUTING (ICRTC- 2021), SPRINGER	4th and 5th JUNE, 2021
<b>9</b>	Prof.Vaidehi Verma	Soil Moisture Sensor Using for Smart Irrigation System	International Conference on Innovative Applications of Emerging Technologies & Management-ICIAETM -2021	9th and 10th April,2021
<b>10</b>	Dr Shaila S.G	"IMAGE CLASSIFICATION USING MACHINE LEARNING FOR IOT BASED PRODUCTS"	"National Conference on Recent Trends in Engineering", NCRTE 2021 , Dayananda Sagar University,	3rd and 4th May 2021.
<b>11</b>	Kalpna B N	A Comparison of Graphical authentication mechanisms impervious to Shoulder surfing attacks	International Conference on "Emerging Trends in Science, Engineering and Management", ICETSEM 2021	15th and 16th July 2021

<b>12</b>	Shwetha G S	A REVIEW ON INTEGRATION OF IOT WITH BLOCKCHAIN TECHNOLOGY RESISTANT TO SECURITY AND PRIVACY ISSUES	International Conference on "Emerging Trends in Science, Engineering and Management", ICETSEM 2021	15th and 16th July 2021
<b>13</b>	Suha Aimen		International Conference on "Emerging Trends in Science, Engineering and Management", ICETSEM 2021	15th and 16th July 2021
<b>14</b>	Prof. Shradha Naik, Dr Saswati Debnath, Prof. Vijin Justin	A Review of Arrhythmia Classification with Artificial Intelligence Techniques: Deep vs Machine Learning	2021 2nd International Conference for Emerging Technology (INCET)	21-23 May 2021
<b>15</b>	Krishna Sowjanya K	Software Load Balancers in Cloud Computing: AN analysis	International Conference on Advance Modern Computing Trends and Technology (ICAMCTT-2021)	30 & 31 July 2021
<b>16</b>	Krishna Sowjanya K	Layer 4 & Layer 7 Load Balancers in Cloud Computing	International Conference on Emerging Trends in Electrical and Computing Technologies (ICETEECT - 21)	30th June 2021
<b>17</b>	Krishna Sowjanya K	A Homomorphic Encryption for Preserving the Privacy of Data: Wearable IoT Devices	International E-Conference on Recent Advancements in the area of Management, Social Sciences, Technology & Tourism (IARA-2021)	14th June 2021

<b>18</b>	Bindu Madavi K P	A Homomorphic Encryption for Preserving the Privacy of Data: Wearable IoT Devices	International E-Conference on Recent Advancements in the area of Management, Social Sciences, Technology & Tourism (IARA-2021)	14th June 2021
<b>19</b>	Bindu Madavi K P	A Novel Lightweight Cloud Storage Examinee with De-Duplication Authorizing Secure Protection with Hybrid Encryption	International E-Conference on Recent Advancements in the area of Management, Social Sciences, Technology & Tourism (IARA-2021)	14th June 2021
<b>20</b>	Prof.Shradha Naik	HANDWRITTEN DIGIT RECOGNITION USING DEEP LEARNING	"National Conference on Recent Trends in Engineering", NCRTE 2021 , Dayananda Sagar University,	3rd and 4th May 2021.

### Book Chapter/ Book Publication

<b>Sl. No.</b>	<b>Name of Faculty</b>	<b>Title of Books/ Book Chapter</b>	<b>Books Series</b>	<b>Publication Details</b>
<b>1</b>	Prof. Roopashree S	Chapter 12 entitled "Machine Learning Approach: Enriching the knowledge of Ayurveda from Indian medicinal herbs", In Challenges and Applications of Data Analytics in Social Perspectives (pp. 214-231). IGI Global.	IGI GLOBAL	DOI: 10.4018/978-1-7998-2566-1.ch012 ISBN13: 9781799825661; December, 2020

<b>2</b>	Prof .Gousia Thahniyath	GLIMPSES OF ENGINEERING AND TECHNOLOGY IN THE MODERN WORLD,Chapter 19 "Productive Training Using E-mail Interface	Virudhunagar Hindu Nadars' Senthikumara Nadar College (Autonomous),	ISBN:978-81-942052-7-2,December 2020
<b>3</b>	Prof. Krishna Sowjanya K	GLIMPSES OF ENGINEERING AND TECHNOLOGY IN THE MODERN WORLD,Chapter 13 "Unstructured Data to Structured: A Study	Virudhunagar Hindu Nadars' Senthikumara Nadar College (Autonomous),	ISBN:978-81-942052-7-2,December 2020
<b>4</b>	Prof.Bindu Madavi K P	GLIMPSES OF ENGINEERING AND TECHNOLOGY IN THE MODERN WORLD, Chapter 18" Criticism of Cryptographic Encryption Algorithm for Securing and Protecting the Data in Cloud Computing"	Virudhunagar Hindu Nadars' Senthikumara Nadar College (Autonomous),	ISBN:978-81-942052-7-2,December 2020
<b>5</b>	Prof. Roopashree S	<b>Chapter 2</b> entitled Challenges for Convergence of Cloud and IoT in Applications and Edge Computing in Challenges and Opportunities for the Convergence of IoT, Big Data, and Cloud Computing	IGI GLOBAL	DOI: 10.4018/978-1-7998-3111-2.ch002 ISBN13: 9781799831112 / January, 2021
<b>6</b>	Dr.Renukadevi M.N	Book Chapter TITLE: "Multimodal	Springer lecture notes in	Volume 341.ISBN: 978-981-16-7117-3, 2021

		analysis of TED talks towards designing a recommendation system"	networks and systems	
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### Patent Published or Granted

SI No	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Patent Granted / Published Date
1	202041039561	Published	1 . Dr. R.G. BABUKARTHIK 2 . Mr. S. VIGNESH	LOUD BASED WEB SERVICE SELECTION: HUDDLE PARTICLE SWARM OPTIMIZATION SYSTEM AND METHOD THEREOF	25/9/2020
2	202041053586	Published	1 . Dr. Shashikumar G Torad 2 . Dr. Geeta R. Bharamagoudar 3 . Dr. Parashuram Baraki 4 . Er Dr Srinivas Deshpande 5 . Dr. Chatti Subbalakshmi 6 . Dr. Rajesh T. M 7 . Sangeeta P. Sangani 8 . Mallamma C G 9 . Mr. Mohan Kumar T G 10 . Veeranna Kotagi	Title: Santulan: A device for Car safety	18/12/2020
3	202041054009	Published	1 . Thanuj Kumar M 2 . Dr. Rajesh T. M 3 . Arati Shahapurkar 4 . Kavita	TITLE: AUTOMATIC SIGNAL ALERT FOR	18/12/2020

			D.Hanabaratti 5 . Dr.C.Umarani 6 . ASHOK KUMAR C N 7 . Dhanya Prakash R Babu 8 . Veeranna Kotagi	PREVENTING ACCIDENTS	
4	202041055966	Published	1 . Dr. Rajesh T M 2 . Dr. Shaila S G 3 . Dr. Girisha S G 4 . Prof. Shivaprasad Ashok Chikop 5 . Rajlakshmi Ghatkamble 6 . Dr.C.Umarani 7 . Dr. Raghavi K Bhujang 8 . Mr. Siddharth Ajmera 9 . Veeranna Kotagi	Gardening Robot	1/1/2021
5	202041056106	Published	1)Dr. Rajesh T M 2)Dr. Shaila S G 3)Dr. Girisha G S 4)Prof. Shivaprasad Ashok Chikop 5)Prof. Sharanabasavaraj 6)Rajlakshmi Ghatkamble 7)Dr.Sunanda Dixit 8)Dr. Raghavi K Bhujang 9)Dr.MANOJ H M 10)Veeranna Kotagi	Robo Umpire	1/1/2021
6	202041057025	Published	1 . Prof.Santosh Kumar J 2 . Dr. Rajesh T M 3 . Govindaraju G N 4 . Mr. V Sunil Kumar 5 . Dr. Raghavendra S. 6 . Dr. B. K. Raghavendra 7 . SARAVANA M K 8 . Harish K 9 . Srindhi Kulkarni V 10 . Veeranna Kotagi	Big data Performance Enhancement using Machine Learning Spark-ML Pipeline Auto Parameter Tuning	1/1/2021

7	202141002013	Published	1 . Dr Rajesh T M 2 . Dr Shaila S G 3 . Dr Mallanagouda Patil 4 . Prof. Shivaprasad Ashok Chikop 5 . Prof. Nazmin Begum 6 . Prof. Bindu Madavi K P 7 . Prof. Lavanya B Koppal 8 . Veeranna Kotagi	ACCIDENT SURVEILLANCE SYSTEM IN NH4 USING VIDEO ANALYTICS	22/1/2021
8	202141002027	Published	1 . Dr Rajesh T M 2 . Dr Shaila S G 3 . Dr Mallanagouda Patil 4 . Prof. Shivaprasad Ashok Chikop 5 . Prof. Bindu Madavi K P 6 . Prof. Nazmin Begum 7 . Prof. Lavanya B Koppal 8 . Veeranna K	ANIMAL SURVEILLANCE SYSTEM USING VIDEO ANALYTICS	22/1/2021
9	2021100004	Granted	1. T M, Rajesh ; 2. S G, Shaila ; 3.VENKATAPUR, REKHA B. ; 4.V, Sangeetha ; 5.S R, DEEPA ; 6.M, VANEETA ; 7.PAI H, ADITYA ; 8. J, Santosh Kumar ; 9. GUDI, KRISHNA S. ; PAREEK, PIYUSH KUMAR	Robo: Care Taker	18/3/2021
10	202141010619	Published	1 . Dr Rajesh T M 2 . Dr.Narasimha Murthy M S 3 . Dr.Kamalakshi Naganna 4 . Dr. Deepa. S.R 5 . Dr Vaibhav A Meshram 6 . Lavanya B Koppal 7 . Dr. Dayanand Lal N	METHOD FOR PLANT DISEASE DETECTION USING MACHINE LEARNING AND METHODS THEREOF	19/3/2021

			8 . Mrs.Neeta K S Mrs.Neeta K S 9 . Mrs.Vaishali B kosamkar 10 . Dr.Chethana Sridhar 11 . Dr.Piyush Kumar Pareek		
11	2021100154	Granted	PIYUSH KUMAR PAREEK;Rajesh T M;Shaila S G;Sunanda Dixit;Mallanagouda Patil;Vindhya P Malagi;Parashuram Baraki;Veena R S;Dinesha H. A.;Latha P H;Chitra Shashidhar;Aditya Pai H;Chandramma R;Narasimha Murthy M S	Automated location identification system using text and image data	15/4/2021
12	2021100738	Granted	1.Babukarthik, R. G. ; 2.Kumar, Parvendra ; 3.Chandriah, Kiran Kumar 4.Jain, Rituraj ; 5.Purohit, Nitin ; 6.Kaleem, Mohammed Khalid ; 7.Parikh, Swapnil M. ; 8.Gothania, Jaishri ; 9.Subramani, T. ; 10.Shukla, Anand ; 11.M., Madiajagan	A Multi-Faceted Optimization Algorithm for Deep Learning Alternative to Gradient Descent	22/4/2021
13	202141020173	Published	1 . Mr Praveen Kulkarni 2 . Dr Rajesh T M 3 . Dr Shaila S G 4 . Dr Pritee Parwekar 5 . Dr Piyush Kumar Pareek	GRADING OF FACIAL EMOTIONS USING MULTIMODAL APPROACH	7/5/2021
14	202131018240	Published	1 . Mr.Sitanath Biswas 2 . Mr.Bhupesh Deka 3 . Dr Preetisudha Meher 4 . Mrs Madhusmita Dash	A SYSTEM FOR GEO-POSITIONI NG USING SMART IDENTITY CARD	14/05/2021

			<p>5 . Chhaya Suryabhan Dule</p> <p>6 . Mr.Priyabrat Dash</p> <p>7 . Dr Diana Moses</p> <p>8 . Mr Deepak Shripal Mane</p> <p>9 . Manmath Nath Das</p> <p>10 . Ms Jyotsnarani Tripathy</p>		
15	202141017644	Published	<p>1 . Dr Rajesh T M</p> <p>2 . Dr Shaila S G</p> <p>3 . Prof. Shivaprasad Ashok Chikop</p> <p>4 . Prof. Lavanya B Koppal</p> <p>5 . Prof. Nazmin Begum</p> <p>6 . Prof. Gousia Thahniyath</p> <p>7 . Prof. Darshan Halliyavar</p> <p>8 . Prof. Puneeth S</p> <p>9 . Ms. Vijaylaxmi Inamdar</p> <p>10 . Dr.Piyush Kumar Pareek</p>	GRADING OF HEART ATTACK USING DIP AND IOT	21/05/2021
16	202141025212	Published	<p>1 . Dr.R.SABITHA</p> <p>2 . DR. NITESH KAUSHIK</p> <p>3 . Dr.J.SIVASANKARI</p> <p>4 . Dr.D.BHADRU</p> <p>5 . MS. CHHAYA SURYABHAN DULE</p> <p>6 . Dr.RESHMI. B</p> <p>7 . Mr. NARAYAN KRISHAN VYAS</p> <p>8 . Dr. B.VEERA JYOTHI</p> <p>9 . Ms. CHANDRAKALA HL</p> <p>10 . Dr. GUDLA BALAKRISHNA</p>	MODELING OF QUALITY OF SERVICE PARAMETERS IN CLOUDS USING GENETIC ALGORITHM	25/6/21