



**PRATHYUSHA ENGINEERING COLLEGE**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**PUBLICATION DETAILS**

**ACADEMIC YEAR: 2021 – 2022**

**JOURNAL PAPER PUBLICATIONS**

<b>SL. NO.</b>	<b>NAME OF THE FACULTY</b>	<b>TITLE OF THE PAPER</b>	<b>NAME OF THE JOURNAL</b>	<b>SCI/ SCIE/ SCOPUS/ OTHERS</b>	<b>ISSN/ ISBN NO.</b>	<b>VOLUME NO.</b>	<b>YEAR</b>	<b>DOI/URL</b>
1	Dr.V R KAVITHA	Optimization Based Vector Quantization for Data Reduction in Multimedia Applications	Intelligent Automation & Soft Computing	SCI	ISSN: 1546-2218	31(2),853-867	Apr-22	<a href="https://www.techscience.com/iasc/v31n2/44518">https://www.techscience.com/iasc/v31n2/44518</a>
2	W THAMBA MESHACH	Smart Affect Recognition System for Real-Time Biometric Surveillance Using Hybrid Features and Multilayered Binary Structured Support Vector Machine	The Computer Journal	SCI	ISSN-0010-4620	65(4), 897–917	Apr-22	<a href="https://doi.org/10.1093/comjnl/bxaa125">https://doi.org/10.1093/comjnl/bxaa125</a>



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3	Dr.R.THIAGARAJA N	Timer Entrenched Baited Scheme to Locate and Remove Attacks in MANET	Intelligent automation & soft computing	SCI	ISSN / EISSN : 1079- 8587 / 2326- 005X	35(1),491- 505.	Mar-22	<a href="https://doi.org/10.32604/iasc.2023.027719">https://doi.org/10.32604/iasc.2023.027719</a>
4	M.D.BOOMIJA	Securing medical data by role-based user policy with partially homomorphic encryption in AWS cloud	Soft Computing - springer	SCI	ISSN: 1 432- 7643 (Print) 1433- 7479 (Online )	27(1), 559- 568	Mar-22	<a href="https://doi.org/10.1007/s00500-022-06950-y">https://doi.org/10.1007/s00500-022-06950-y</a>



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**CONFERENCE PUBLICATIONS**

<b>SL. NO</b>	<b>NAME OF THE FACULTY</b>	<b>TITLE OF THE PAPER</b>	<b>NAME OF THE CONFERENCE PROCEEDING</b>	<b>SCOPUS/ OTHERS</b>	<b>YEAR</b>	<b>DOI / URL</b>
1	Dr S PADMAPRIYA	Management of Encrypted Data and De-Duplication of Big Data in Cloud Computing	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725422">https://doi.org/10.1109/ICAC3N53548.2021.9725422</a>
2	Dr S PADMAPRIYA	Categorizing the Heart Syndrome Condition by Predictive Analysis Using Machine Learning approach	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725422">https://doi.org/10.1109/ICAC3N53548.2021.9725422</a>
3	Dr S PADMAPRIYA	Medical Image Processing from Large Datasets Using Deep Learning	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725513">https://doi.org/10.1109/ICAC3N53548.2021.9725513</a>



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4	Dr S PADMAPRIYA	A High Energy Efficient Approach for Handling Dynamic Network Using AOMDV Routing Protocol	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725500">https://doi.org/10.1109/ICAC3N53548.2021.9725500</a>
5	Dr.R THIAGARAJAN	Preserving Privacy Scheme Using Data-CAAC Mechanism in E-Health Based on Hybrid EdgeComputing	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725544">https://doi.org/10.1109/ICAC3N53548.2021.9725544</a>
6	Dr.R THIAGARAJAN	Categorizing the Heart Syndrome Condition by Predictive Analysis Using Machine Learning approach	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725725">https://doi.org/10.1109/ICAC3N53548.2021.9725725</a>
7	Dr.R THIAGARAJAN	A High Energy Efficient Approach for Handling Dynamic Network Using AOMDV Routing Protocol	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725500">https://doi.org/10.1109/ICAC3N53548.2021.9725500</a>
8	Dr.R THIAGARAJAN	Management of Encrypted Data and De-Duplication of Big Data in Cloud Computing	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725422">https://doi.org/10.1109/ICAC3N53548.2021.9725422</a>



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9	Dr S PADMAPRIYA	Task Clustering and Scheduling in Fault Tolerant Cloud Using Dense Neural Network	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725605">https://doi.org/10.1109/ICAC3N53548.2021.9725605</a>
10	Dr S PADMAPRIYA	Detection of Stomach Cancer Using Deep Neural Network in Healthcare Sector	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725656">https://doi.org/10.1109/ICAC3N53548.2021.9725656</a>
11	Dr.V R KAVITHA	Design of IoT Network using Deep Learning-based Model for Anomaly Detection	International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	SCOPUS	Dec-21	DOI: 10.1109/I-SMAC52330.2021.9640700
12	B GUNASUNDARI	Categorizing the Heart Syndrome Condition by Predictive Analysis Using Machine Learning approach	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725725">https://doi.org/10.1109/ICAC3N53548.2021.9725725</a>
13	B GUNASUNDARI	A High Energy Efficient Approach for Handling Dynamic Network Using AOMDV Routing Protocol	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725500">https://doi.org/10.1109/ICAC3N53548.2021.9725500</a>



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14	B GUNASUNDARI	Preserving Privacy Scheme Using Data-CAAC Mechanism in E-Health Based on Hybrid EdgeComputing	3rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N-21)	SCOPUS	Mar-22	<a href="https://doi.org/10.1109/ICAC3N53548.2021.9725544">https://doi.org/10.1109/ICAC3N53548.2021.9725544</a>
15	Dr.R THIAGARAJAN	Proposal of HMAC based protocol for message authentication in Kerberos authentication protocol	2022 Second International Conference on Artificial Intelligence and Smart Energy (ICAIS)	SCOPUS	Mar-22	10.1109/ICAIS53314.2022.9742992
16	M.D.Boomija	Secure predictive analysis on heart diseases using partially homomorphic machine learning model	5th International Joint Conference on Advances in Computational Intelligence (IJACI 2021)	SCOPUS	May-22	<a href="https://link.springer.com/chapter/10.1007/978-981-19-0332-8_42">https://link.springer.com/chapter/10.1007/978-981-19-0332-8_42</a>
17	A.SUBBARAYUDU	Determination of Crisis on Climatic Fluctuations and Smog Deterioration by Categorizing the Condition Using Predictive Analytics	2022 8th International Conference on Smart Structures and Systems (ICSSS)	SCOPUS	Jul-05	doi: 10.1109/ICSSS54381.2022.9782287.



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18	Dr.M.GOPIKRISHN AN	Machine learning based predictive modeling of plasma treatment in biomedical surfaces	Second International Conference on Artificial Intelligence and Smart Energy (ICAIS)	SCOPUS	Mar-22	DOI: 10.1109/ICAIS5331 4.2022.9743031
19	Dr.M.GOPIKRISHN AN	Automatic detection of new vessles in retinal photograph using machune learning	IOP conference series: Materials an d Engineering	SCOPUS	2021	DOI 10.1088/1757- 899X/1187/1/01203 0



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**ACADEMIC YEAR: 2021 – 2022**

**PATENT PUBLICATIONS**

<b>SL. NO.</b>	<b>ACADEMIC YEAR</b>	<b>NAME OF THE INVENTOR/CO-INVENTORS</b>	<b>PATENT TITLE</b>	<b>PATENT STATUS</b>	<b>PATENT NUMBER</b>	<b>DATE OF FILING</b>	<b>DATE OF PUBLICATION</b>
1	2021-2022	MS.R.MEENA MS.B. GUNASUNDARI MR.I.MOHAN DR.V.R.KAVITHA DR.GOPIKRISHNAN DR.S.PADMA PRIYA MR.W.THAMBA MESHACH MS.R.KANNAMMA MS.S.FAMITHA MS.V.ANITHALAKSHMI MS.N.SRIPRIYA MR.K.SHANKAR MS.GUNAGAYATHRI PRASHEETHA MS.T.R.SOUMYA MS.E.SHIMONA	SMART REDEEMERS- REAL TIME DETECTION OF MENTAL HEALTH, EMOTIONS, DEPRESSION AND SUICIDAL IDEATION	Published in IPR Journal	202241 006380	2022-07-02	25-02-2022





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2	2021-2022	MR.K.SHANKAR MS.T.R.SOUMYA MS.E.SHIMONA DR.V.R.KAVITHADR.GOPIK RISHNANDR.S.PADMA PRIYAMR.W.THAMBA MESHACHMS.R.KANNAMM AMS.B. GUNASUNDARIMS.S.FAMIT HAMS.V.ANITHALAKSHMI MS.N.SRIPRIYAMR.I.MOHA NMS.R.MEENAMS.GUNAGA YATHRI PRASHEETHA	REAL TIME HUMAN ACTION MONITORING USING POSE ESTIMATION	Published in IPR Journal	202241 009873	24-2-2022	11-03-2022
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3	2021-2022	MS.N.SRIPRIYA MS.V.ANITHALAKSHMI MS.GUNAGAYATHRI PRASHEETHA DR.V.R.KAVITHA DR.GOPIKRISHNAN DR.S.PADMA PRIYA MR.W.THAMBA MESHACH MS.R.KANNAMMA MS.B. GUNASUNDARI MS.S.FAMITHA MR.K.SHANKAR MR.I.MOHAN MS.R.MEENA MS.T.R.SOUMYA MS.E.SHIMONA	FINDING HACKING FRAUD IN WEB APPLICATION ADVERTISEMENT USING THE FRAUDDETECTION ADSHER LOCK METHOD	Published in IPR Journal	202241 009874	24-2-2022	11-03-2022
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4	2021-2022	MR.W.THAMBA MESHACH MS.S.FAMITHA MS.R.KANNAMMA DR.V.R.KAVITHA DR.GOPIKRISHNAN DR.S.PADMA PRIYA MS.B. GUNASUNDARI MS.V.ANITHALAKSHMI MS.N.SRIPRIYA MR.K.SHANKAR MR.I.MOHAN MS.R.MEENA MS.GUNAGAYATHRI PRASHEETHA MS.T.R.SOUMYA MS.E.SHIMONA	A SMART VISION CAP FOR VISUALLY IMPAIRED PEOPLE	Published in IPR Journal	202241 009875	24-2-2022	11-03-2022
5	2021-2022	DR.S.PADMAPRIYA	PRISON MANAGEMENT SYSTEM (TRACKING AND CONTROL OF INMATES INSIDE THE JAIL)	Published in IPR Journal	202241 009863	24-02-2022	11-03-2022



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6	2021-2022	MR.A.SUBBARAYUDU, MS.J.OMANA, MS. MEENA	AUTOMATIC SMART ATTENDANCE MANAGEMENT SYSTEM BASED ON FACE RECOGNITION USING DEEP LEARNING	Published in IPR Journal	202141 025155	07-06-2021	25-06-2021
7	2021-2022	DR.R.THIAGARAJAN	BAITING SCAM ATTACK DETECTION USING TWO WAY AUTHENTICATION BY ECC APPROACH	Published in IPR Journal	202141 014597	30-03-2021	11-06-2021
8	2021-2022	DR.R.THIAGARAJAN, MS.M.D.BOOMIJA, DR.S.NALINI,N.SRIPRIYA, V.ANITHALAKSHMI	ALERT SYSTEM FOR HOUSEKEEPING TO TRACK HYGIENE IN TOILETS USING WRISTBAND IOT	Published in IPR Journal	202141 028023	22-06-2021	09-07-2021



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9	2021-2022	DR.R.THAGARAJAN, N.SRIPRIYA	EFFECTIVE SMART STICK FOR ASSISTING BLIND PEOPLE WITH ALERT BASED OBJECT IDENTIFICATION	Published in IPR Journal	202141 041804	16-09-2021	29-10-2021
10	2021-2022	DR.R.THAGARAJAN, I.MOHAN	SOIL HEALTH MONITORING USING DRONES AND AUGMENTED REALITY IN AGRICULTURAL REGIONS	Published in IPR Journal	202141 041805	16-09-2021	29-10-2021
11	2021-2022	DR.R.THAGARAJAN,I.MOH AN	WIRELESS NAVIGATION CONTROL FOR PROLONG SEATED INDIVIDUALS IN NATIVE LANGUAGE	Published in IPR Journal	202141 059306	20-12-2021	31-12-2021
12	2021-2022	DR.R.THAGARAJAN,V.ANIT HALAKSHMI	CATEGORIZATION OF COMMUNICATION NETWORKING PROTOCOL ON MALICIOUS NETWORK TRAFFIC MECHANISM USING MACHINE LEARNING TECHNIQUES	Published in IPR Journal	202141 059363	20-12-2021	31-12-2021



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13	2021-2022	DR.R.THAGARAJAN, I.MOHAN	SURVEILLING OF CRISES IMPLICATIONS IN GREEN HOUSE EFFECT AND MEASURING FROST USING IOT WITH AI METHOD	Published in IPR Journal	202141 061446	29-12-2021	14-01-2022
14	2021-2022	M.D.Boomija,DR. R. Thiagarajan, J.Omana, MS.Shilpa, A.Subbarayudu	OBSTACLE RECOGNITION IN AGRICULTURE FIELDS USING STRATEGIC INTEGRATION OF ANOMALY DETECTION AND DEEP LEARNING APPROACHES	Published in IPR Journal	202141 061448	29-12-2021	14-01-2022
15	2021-2022	DR. R. THIAGARAJAN, J.OMANA, MS.SHILPA,A.SUBBARAYUD U, M.D.Boomija	MEASURING FROST AND MONITORING CRISIS IMPACTS IN GREENHOUSES VIA IOT AND AI-POWERED TECHNIQUES	Published in IPR Journal	202141 061449	29-12-2021	04-11-2022
16	2021-2022	DR. R. THIAGARAJAN	UTILIZING PIONEER RESEARCH ON OPTICAL HIGH SENSITIVITY NANO SENSORS FOR BIOMARKER DIAGNOSIS	Published in IPR Journal	202241 003194	20-01-2022	28-01-2022



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17	2021-2022	DR. R. THIAGARAJAN	ENERGY CONSUMPTION PREDICTION AND ALERT GENERATION USING DEEP LEARNING	Published in IPR Journal	202241007336	11-02-2022	25-02-2022
18	2021-2022	DR. R. THIAGARAJAN	EVALUATION OF MALICIOUS URL OUTBREAKS VIA MINING APPROACH INTELLECT SCHEME TO EVADE RANSOMWARE	Published in IPR Journal	202241008361	17-02-2022	04-03-2022
19	2021-2022	DR. R. THIAGARAJAN	PERFORMANCE OF INTRUSION DETECTION SYSTEMATIC APPROACH BASED ON MACHINE LEARNING VIA BIG DATA ANALYTICS	Published in IPR Journal	202241009921	24-02-2022	11-03-2022
20	2021-2022	DR. R. THIAGARAJAN	MONITORING AND ALERTING OF ILLEGAL DEFORESTATION USING INTERNET OF THINGS AND DRONES	Published in IPR Journal	202241010623	28-02-2022	11-03-2022



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21	2021-2022	DR. R. THIAGARAJAN, J.OMANA	RESOLVE OF LOCUST EPIDEMICS IN FARMING EXPLOITATION USING MACHINE LEARNING APPROACH	Published in IPR Journal	202241 012072 1	07-03-2022	18-03-2022
22	2021-2022	DR. R. THIAGARAJAN	FORECASTING OF SOIL NUTRIENTS WITH PH RANGE IN FARMING USING DEEP LEARNING TECHNIQUE	Published in IPR Journal	202241 012074	07-03-2022	18-03-2022
23	2021-2022	M.D.BOOMIJA,A.SUBBARAY UDU,J.OMANA, MS.SHILPA	REMOTE DATA INTEGRITY PROTOCOL FOR SECURE CLOUD- BASED SERVER	Published in IPR Journal	202241 023764	22-04-2022	06-05-2022
24	2021-2022	M.D.BOOMIJA,A.SUBBARAY UDU,J.OMANA, MS.SHILPA	SECURE AUDITING AND DE-DUPLICATING DATA IN CLOUD	Published in IPR Journal	202241 023767	22-04-2022	06-05-2022
25	2021-2022	DR. R. THIAGARAJAN, J.OMANA	A HIGH PERFORMANCE PLASMA BIOSYNTHESIS ARRAY FOR DIAGNOSYS OF LUNG CANCER USING MACHINE AND DEEP LEARNING MODELS	Published in IPR Journal	202241 014769	17-03-2022	08-04-2022





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26	2021-2022	DR. R. THIAGARAJAN	INTRUSION DETECTION SYSTEM ANALYTICAL APPROACH USING BIG DATA WITH DEEP LEARNING TECHNIQUES	Published in IPR Journal	202241016914	25-03-2022	15-04-2022
27	2021-2022	DR. R. THIAGARAJAN	ASSISTING THE DYSLEXIA CHILDREN BY TRAINING THEIR MIND FOR ADAPTABILITY	Published in IPR Journal	202241016927	25-03-2022	08-04-2022
28	2021-2022	DR. R. THIAGARAJAN	AN IOT BASED ASSISTANT FOR VISUALLY IMPAIRED	Published in IPR Journal	202241020179	04-04-2022	22-04-2022
29	2021-2022	DR. R. THIAGARAJAN	TRIAL BOOST PERFORMANCE EVALUATION BY INTEGRATION OF IOT WITH BLOCKCHAIN	Published in IPR Journal	202241021789	12-04-2022	29-04-2022
30	2021-2022	DR. R. THIAGARAJAN, J.OMANA	MACHINE LEARNING HEREDITARY FACTOR BASED MULTIFEATURED ALGORITHM FOR EARLY DIABETES DETECTION	Published in IPR Journal	202241025877	04-05-2022	20-05-2022



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31	2021-2022	DR. R. THIAGARAJAN	IOT BASED SMART SURGERY MANAGEMENT SYSTEM FOR HOSPITALS	Published in IPR Journal	202241025898	04-05-2022	13-05-2022
32	2021-2022	DR. R. THIAGARAJAN, J.OMANA	EVALUATION OF IOT IN HEALTHSECTOR BY PRESERVING PRIVACYSECURITY ANALYSIS IN HEALTHCARE	Published in IPR Journal	202241028519	18-05-2022	27-05-2022



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**BOOKS/CHAPTER PUBLICATIONS**

<b>S.No.</b>	<b>Name of the Faculty</b>	<b>Title of the book/chapters published</b>	<b>Year of publication</b>	<b>Affiliating Institute at the time of publication</b>	<b>Name of the publisher</b>
1	Dr.V.R.Kavitha	Object Oriented Programming (R2021)	2021-22	Prathyusha Engineering College	Magnus Publications