



DEPARTMENT OF ECE

LIST OF PATENTS PUBLISHED (2024-25)

S.NO.	Name of the Faculty	Country & Patent No.	Applicant Name	Name of the Inventor(s)	Title	Date of Filing	Date of Publication
1.	Dr Victoria Jancee	Indian Patent: 202441052074	Ramya R, Dr. B Victoria Jancee , E Swarnalatha, Senkamalavalli, B Chitradevi, M Indumathy, S Nandhini	Ramya R, Dr. B Victoria Jancee , E Swarnalatha, Senkamalavalli, B Chitradevi, M Indumathy, S Nandhini	Internet Of Things Based Smart Traffic Signal Monitoring and Controlling System For City	08-07-2024	19/07/2024
2.		202441068113 A	1) Ch. Gopala Raju 2)N. Mohankumar 3)Pramod K Pandey 4)B. Victoria Jancee 5)Vetrisel Vi D 6)Bhara T Tidke 7)S.Murugan 8)C. Srinivasan	1) Ch. Gopala Raju 2)N. Mohankumar 3)Pramod K Pandey 4)B. Victoria Jancee 5)Vetrisel Vi D 6)Bhara T Tidke 7)S.Murugan 8)C. Srinivasan	Iot-Enabled Smart City Traffic Management System	10-09-2024	20/09/2024
3.		Indian Patent: 202541013740a	Dr. Ayalapogu Ratna Raju, Dr. B Victoria Jancee , Yenne Pavan Narsimha Rao, Ganne Naga Sujini, Hemantha Kumar B N, J Hima Bindu, Dr. S Saravanan	Dr. Ayalapogu Ratna Raju, Dr. B Victoria Jancee , Yenne Pavan Narsimha Rao, Ganne Naga Sujini, Hemantha Kumar B N, J Hima Bindu, Dr. S Saravanan	Intelligent Lymphedema Management Smart Compression Garments Enhanced With Iot Sensors And Machine Learning	18-02-2025	07-03-2025
4.		Indian Patent :202541013727 A	1)Dr. S. Prabha, 2) Dr. B. Victoria Jancee 3)Dr. C. Uthayakumar 4)Dr. K. Sudhakar Reddy 5)Dr. Kandula Ankamma 6)Dr. M. Chandrasekar	1)Dr. S. Prabha, 2) Dr. B. Victoria Jancee 3)Dr. C. Uthayakumar 4)Dr. K. Sudhakar Reddy 5)Dr. Kandula Ankamma 6)Dr. M. Chandrasekar	Optimizing Industrial Plants Using Iot-Enabled Condition Monitoring And Asset Tracking With Wireless Sensor Networks	18-02-2025	07-03-2025

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			7)Dr. S. Saravanan 8)K. Ramakrishnan	7)Dr. S. Saravanan 8)K. Ramakrishnan"			
5.	Dr.S.Aghalya	Indian Patent: 202441052075	R.Senkamalavalli, Dr.S.Aghalya , Elangovan Guruva Reddy, Murugeswari, B.Chitradevi, D.Maladhy	R.Senkamalavalli, Dr.S.Aghalya , Elangovan Guruva Reddy, Murugeswari, B.Chitradevi, D.Maladhy	Fpga Based Traffic Signal Monitoring System For Safety	08-07-2024	19/07/2024
6.		202441068111 A	K.Vijaya Naga Valli, N.,Mohan Kumar, Pramod K Pandey, S.Aghalya ,Vetriselvi D, Maria Sampooram M	K.Vijaya Naga Valli, N.,Mohan Kumar, Pramod K Pandey, S.Aghalya , Vetriselvi.D, Maria Sampooram M	Wearable Iot Bands For Stress Regulation With Adaptive Machine Learning Techniques	10.09.2024	20.09.2024
7.		202441068106 A	Dr. N. Mohankumar, Bharat Tidke, Dr.S.Aghalya	Dr. N. Mohankumar, Bharat Tidke, Dr.S.Aghalya	Cloud-Enhanced Smart Vaccination: Real-Time Optimization And Proactive Surveillance For Intelligent	10.09.2024	20/09/2024
8.	Dr.P.Ezhilarasi	202411059239 A	Dr Ravinder Kumar, Dr Neha Seth, Dr. Manasi Vyankatesh Ghamande, Dr. Pravin Shamrao Jadhav Dr. Ranjana Prashant Shinde Mr. Prashant Tomar, Ms. Anshu Kaushik Ms. Sakshi Ruhela, Dr. P. Ezhilarasi Dr. S. Saravanan	Dr Ravinder Kumar, Dr Neha Seth, Dr. Manasi Vyankatesh Ghamande, Dr. Pravin Shamrao Jadhav Dr. Ranjana Prashant Shinde Mr. Prashant Tomar, Ms. Anshu Kaushik Ms. Sakshi Ruhela, Dr. P. Ezhilarasi Dr. S. Saravanan	Virtual Reality Training Environment For Corporate Skill Development And Management	06/08/2024	23/08/2024
9.		202541015705 A	Pranav J, Pravallika, Kaitlyn, Ezhilarasi P	Pranav J, Pravallika, Kaitlyn, Ezhilarasi P	Automated Defence System in Aircraft using Deep Learning	23/02/2025	07/03/2025
10.	Dr.S.Rajeshkannan	202411071636 A	Dr Ravinder Kumar, Dr Neha Seth, Dr Bharti Sharma, Dr Atul Kumar Shukla, Dr Ramshankar, Dr Rakesh Kumar Dubey, Dr, S. Rajesh Kannan, Dr. S. Saravanan, Dr Meenakshi Dwivedi	Dr Ravinder Kumar, Dr Neha Seth, Dr Bharti Sharma, Dr Atul Kumar Shukla, Dr Ramshankar, Dr Rakesh Kumar Dubey, Dr, S. Rajesh Kannan, Dr. S. Saravanan, Dr Meenakshi Dwivedi	Automated Compliance and Accreditation Management System for Education Institutions	23.09.2024	11.10.2024
11.		202541021752 A	Dr. Ramachandran A, Dr. Ayyaooan S, Dr. Senthilkumar G, Sneha	Dr. Ramachandran A, Dr. Ayyaooan S, Dr. Senthilkumar G, Sneha	AI Powered Predictive Maintenance System for Electric Vehicles	11.03.2025	21.03.2025

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			Padiyal, Dr. S. Rajesh Kannan	Padiyal, Dr. S. Rajesh Kannan			
12.	Dr.A.M.Balamurugan	Indian Patent: 202541009275 A	Murugan Mageswari, R.Ranjith Kumar, Kumar.B, J.Hariharan, K.Sakthisundaram, A.M.Balamurugan	Murugan Mageswari, R.Ranjith Kumar, Kumar.B, J.Hariharan, K.Sakthisundaram, A.M.Balamurugan	Slope Analysis in Channel Flow for Various Fluids	04-02-2025	14/02/2025
13.		Indian Patent:202541015707 A	Murugan Mageswari, Raghul.S, Mohamed Sahith S, Vignesh R, Vishal R S, Dr. A.M. Balamurugan	Murugan Mageswari, Raghul.S, Mohamed Sahith S, Vignesh R, Vishal R S, Dr. A.M. Balamurugan	Autonomous Iot-Based Water Monitoring and Management System for Industrial, Agricultural, And Urban Applications	23.02.2025	07.03.2025
14.		Indian Patent:202541015703 A	1) Murugan Mageswari 2)Muniyappan R 3)Mohammed Sulaiman N 4)Sai Ravi Ganesh V 5)Prinston R 6)Vadivu Nandhini M 7)Dr. A.M. Balamurugan	1) Murugan Mageswari 2)Muniyappan R 3)Mohammed Sulaiman N 4)Sai Ravi Ganesh V 5)Prinston R 6)Vadivu Nandhini M 7)Dr. A.M. Balamurugan	Smart Integrated Drowsiness Detection And Intelligent Vehicle Safety System For Accident Prevention	23.02.2025	07.03.2025
15.	Dr.J.Sivakumar						
16.	Dr.R.Niruban	Indian Patent:202441048099 A	Dr. Ashok K,Dr. Nidhi Sharma,Dr. Monali Kishor Patil,Suvarna R. Bhagwat,Renu Kachhoria,Swati Jaiswal,Deepa. R, Dr. R. Niruban	Dr. Ashok K,Dr. Nidhi Sharma,Dr. Monali Kishor Patil,Suvarna R. Bhagwat,Renu Kachhoria,Swati Jaiswal,Deepa. R, Dr. R. Niruban	Transformer Architecture-Based Natural Language Processing For Contextual Real-Time Language Translation	22/06/2024	28/06/2024
17.		202441061911 A	Dr. K. Prasanna Kumar Dr C. M. Arun Kumar Akash PS Tomar Jeetendra kushwaha Himanshu Sharma Dr. M. Bala Prabhakar Dr. R. Niruban Nemali Janaki	Dr. K. Prasanna Kumar Dr C. M. Arun Kumar Akash PS Tomar Jeetendra kushwaha Himanshu Sharma Dr. M. Bala Prabhakar Dr. R. Niruban Nemali Janaki	MULTI-MODAL ENERGY HARVESTING DEVICE UTILIZING AMBIENT VIBRATIONS, THERMAL GRADIENTS, AND RADIO FREQUENCY SIGNALS	14/08/2024	23/08/2024
18.		202441069131 A	Dr. K. Prasanna Kumar Dr. Saliha Bathool Kaviarasi J Mallula Praveen Kumar Dr. Bharatha Babu. K	Dr. K. Prasanna Kumar Dr. Saliha Bathool Kaviarasi J Mallula Praveen Kumar Dr. Bharatha Babu. K	Encrypted Federated Learning Framework for Collaborative Model Training with Privacy Guarantees	12-09-2024	20/09/2024

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			Sohong Dhar Dr. R. Niruban	Sohong Dhar Dr. R. Niruban			
19.	G D Vignesh	202441056097 A	1. Shanmugavel G 2. Tamilselvi M 3. Dr. Vs Hemakumar 4. Kishore 5. Mr G D Vignesh 6. Dr Rvs Latha	1. Shanmugavel G 2. Tamilselvi M 3. Dr. Vs Hemakumar 4. Kishore 5. Mr G D Vignesh 6. Dr Rvs Latha	A Multi-Agent Ai System For Collaborative Music Composition And Performance	23/7/24	2-8-24
20.		202441070039 A	1) Mr. G D Vignesh 2)Mr. V P Sabaridharan 3)Ms. Princy S 4)Ms. Sharon Rose J 5)Mr. Rex Ronald 6)Mr. K Suriyaprakash 7)Mr. S Shyam Sundar	1) Mr. G D Vignesh 2)Mr. V P Sabaridharan 3)Ms. Princy S 4)Ms. Sharon Rose J 5)Mr. Rex Ronald 6)Mr. K Suriyaprakash 7)Mr. S Shyam Sundar	Iot Enabled Edge Computing System For Smart Agriculture Applications	16/09/2024	20/09/2024
21.		202421082991 A	1)Mrs. Shweta P. Sondawale 2)Mr. Surya Pavan Kumar Gudla 3)Dr. Shashi Ranjan 4)Dr. Kavita Khatana 5)Dr. P. Sedhupathy 6) Gd Vignesh 7)Dr. R. Saranya 8)Dr. Siddalingappagouda Biradar 9)Dr. Mydhili S. K	1)Mrs. Shweta P. Sondawale 2)Mr. Surya Pavan Kumar Gudla 3)Dr. Shashi Ranjan 4)Dr. Kavita Khatana 5)Dr. P. Sedhupathy 6) Gd Vignesh 7)Dr. R. Saranya 8)Dr. Siddalingappagouda Biradar 9)Dr. Mydhili S. K	Automated Network Slicing In 6g Networks Using Reinforcement Learning	29/10/2024	29/11/2024
22.		202441077600 A	1)Dr. Renjith K V 2)Dr. Boddu Laxman 3)Dr. Deshmukh Sushant Diwakarrao 4)Dr. R. Senthil Kumar 5)Arunadevi K 6)Dr. Kannan P 7) G. D. Vignesh 8)Sruthi P S 9)Dr. S. Premlatha 10)Ms. A. Vinisha	1)Dr. Renjith K V 2)Dr. Boddu Laxman 3)Dr. Deshmukh Sushant Diwakarrao 4)Dr. R. Senthil Kumar 5)Arunadevi K 6)Dr. Kannan P 7) G. D. Vignesh 8)Sruthi P S 9)Dr. S. Premlatha 10)Ms. A. Vinisha	Detecting And Classifying Fraudulent Sms And Email With A Robust Machine Learning Approach	14/10/2024	25/10/2024
23.	G D Vignesh	INDIAN PATENT 202541024377 A	1)Ms. Pasupuleti Venkata Ramana 2)Dr. Sanjay Kumar Singh 3)Mr. Gokul Chandra Purnachandra Reddy 4)Mr. Ravi Sastry Kadali 5)Dr. Bansode Amit Namdev 6)Dr. P. Felcy Judith 7)Dr. S. Geetha	1)Ms. Pasupuleti Venkata Ramana 2)Dr. Sanjay Kumar Singh 3)Mr. Gokul Chandra Purnachandra Reddy 4)Mr. Ravi Sastry Kadali 5)Dr. Bansode Amit Namdev 6)Dr. P. Felcy Judith	ARTIFICIAL INTELLIGENCE-DRIVEN SYSTEM FOR CONTEXTUAL UNDERSTANDING AND TRANSLATION OF ENGLISH IDIOMS AND PHRASES	19/03/2025	: 28/03/2025

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			8)Dr. Thilagavathi. K 9)Mr. GD Vignesh 10)Julakanti Sivananda Reddy	7)Dr. S. Geetha 8)Dr. Thilagavathi. K 9)Mr. GD Vignesh 10)Julakanti Sivananda Reddy			
24.	P.Elaveni	202441071055	1. Dr. Nazeerunnisa Qurishi, 2. Dr. Ayesha Naaz, 3. Dr. Kuldeep Chouhan, 4. Dr Anurag Rai, 5. Mrs.K.Suriya, 6. Dr. Chinnem Rama Mohan, 7. Dr Aarthee, 8. Mrs P.Elaveni, 9. Ms.B Yamini Supriya, 10. Balaji M	1. Dr. Nazeerunnisa Qurishi, 2. Dr. Ayesha Naaz, 3. Dr. Kuldeep Chouhan, 4. Dr Anurag Rai, 5. Mrs.K.Suriya, 6. Dr. Chinnem Rama Mohan, 7. Dr Aarthee, 8. Mrs P.Elaveni, 9. Ms.B Yamini Supriya, 10. Balaji M	EDGE COMPUTING PLATFORM FOR LOW-LATENCY IOT APPLICATIONS	20/09/2024	202441071055
25.							
26.							
27.	P.Thenmozhi	202441050789	1.Dr..Chetan Shelke, 2.Dr. Rathnakar Achary, 3.Dr.C.M.Naveen Kumar, 4.P.Thenmozhi, 5.Dr. Suhail Jave Quraishi, 6.Nimish Sunil Das	1.Dr..Chetan Shelke, 2.Dr. Rathnakar Achary, 3.Dr.C.M.Naveen Kumar, 4.P.Thenmozhi, 5.Dr. Suhail Jave Quraishi, 6.Nimish Sunil Das	Artificial Intelligence An IOT-Based Smart Health Care System To Prevent And Detect All Types Of Heart Disease	3-7-2024	12-7-2024
28.		Indian Patent 202541031350	Dr. T. Venugopala Swamy 2)Dr. S J R K Padminivalli V 3)Dr. Chitra K 4)Mrs. M. Ambika 5)Dr. K. Tamilarasi 6)Dr. Avijit Bhowmick 7)Anusya S 8)Dr. T R Arunkumar 9)Mrs. P. Thenmozhi 10)Dr. B. Ramya	Dr. T. Venugopala Swamy 2)Dr. S J R K Padminivalli V 3)Dr. Chitra K 4)Mrs. M. Ambika 5)Dr. K. Tamilarasi 6)Dr. Avijit Bhowmick 7)Anusya S 8)Dr. T R Arunkumar 9)Mrs. P. Thenmozhi 10)Dr. B. Ramya	Method For Analyzing Animal Behavior Patterns Using Machine Learning Algorithm	30.3.2025	11.4.2025
29.		Indian Patent 202541020979	1)Dr. T. Venugopala Swamy)Dr. Bansode Amit Namdev 3)Dr. D. Sahadevudu 4)Swapna Datta Khan 5)Dr. Surepalli. Venkataratnam 6)Dr. Rajesh Rangappa Aldarthi 7)Dr. R. Anusuya	1)Dr. T. Venugopala Swamy)Dr. Bansode Amit Namdev 3)Dr. D. Sahadevudu 4)Swapna Datta Khan 5)Dr. Surepalli. Venkataratnam	Method For Analyzing Historical Texts Using Natural Language Processing To Identify Cultural Trends	7.3.2025	21.3.25

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			8)Mrs. S. Sabaria 9)Mrs. P. Thenmozhi 10)Dr. Ne Sachithanantham	6)Dr. Rajesh Rangappa Aldarhi 7)Dr. R. Anusuya 8)Mrs. S. Sabaria 9)Mrs. P. Thenmozhi 10)Dr. Ne Sachithanantham			
30.		202441071518	R. Uma Maheswari, D.Lakshmi	D.Lakshmi, R. Janaki, R Uma Maheswari	Iot Based Eutrophication Monitoring System	21/9/2024	8-11-2024
31.	Dr. D.Lakshmi	202441092864 A	Dr. G. Elangovan, Dr. T. Kalaiselvi, Mrs. G. Valarmathi, Mrs. N. Thendral, Dr. D.Lakshmi	Dr. G. Elangovan, Dr. T. Kalaiselvi, Mrs. G. Valarmathi, Mrs. N. Thendral, Dr. D.Lakshmi	Deep Multiple Instance Learning For Automatic Detection Of Diabetic Retinopathy	27/11/2024	6-12-2024
32.	Dr. J. Martin Leo Manickam	202541026553	Karthikeyan M Venkatesan, Crispin M V, Anandhan T, Ashini Huba, Sudha Juliet P, Brindha G, Martin Leo Manickam J , Senthamil Selvi M V,	Karthikeyan M Venkatesan, Crispin M V, Anandhan T, Ashini Huba, Sudha Juliet P, Brindha G, Martin Leo Manickam J, Senthamil Selvi M V,	Wearable Ultrasound Patch for Motion monitoring and secure key generation using Elliptic curve cryptography and machine learning	22/03/25	11.4.2025
33.	Dr. S. Devipriya	202441072277	1. Dr. M. Prakash, 2. Dr. Rachappa Jopate, 3. Dr. R. Arul Jose, 4. Dr. K. Sri Kavya, 5. Dr. G. Thirumalaiah, 6. Dr. Archana Kumari Prasad, 7. Mrs. S. Devipriya , 8. Dr. Badugu Suresh, 9. G. Suneetha, 10. B. Kirankumar	1. Dr. M. Prakash, 2. Dr. Rachappa Jopate, 3. Dr. R. Arul Jose, 4. Dr. K. Sri Kavya, 5. Dr. G. Thirumalaiah, 6. Dr. Archana Kumari Prasad, 7. Mrs. S. Devipriya , 8. Dr. Badugu Suresh, 9. G. Suneetha, 10. B. Kirankumar	SYSTEM AND METHOD FOR BLOCK-CHAIN BASED CREDIBILITY VERIFICATION OF INTERNET OF THINGS (IOT) ENTITIES	24/09/2024	
34.	K. Jasmine Mystica	202441079635 A	1) Sivakumar Nagarajan 2) Kulkarni Raju Ramrao 3) Dr. Rvs Praveen 4) Manjunath H S 5) K. Kishore Babu 6) Anvesh Perada 7) Dr. Amit Chauhan 8) Jasmine Mystica K 9) Dr. Shantanu Datta 10) A. Shobana 11) Dr. K. P. Yuvaraj 12) Dr. Sumanta Bhattacharya	1) Sivakumar Nagarajan 2) Kulkarni Raju Ramrao 3) Dr. Rvs Praveen 4) Manjunath H S 5) K. Kishore Babu 6) Anvesh Perada 7) Dr. Amit Chauhan 8) Jasmine Mystica K 9) Dr. Shantanu Datta 10) A. Shobana 11) Dr. K. P. Yuvaraj 12) Dr. Sumanta Bhattacharya	Machine Learning-Driven Water Quality Monitoring Using Iot And Wireless Sensor Networks	20/10/2024	25/10/2024
35.	G. Anitha	202441080017 A	1) Badithala Shravan Kumar 2) S. Punithavathi 3) Salunke Ram Jaysing	1) Badithala Shravan Kumar 2) S. Punithavathi 3) Salunke Ram Jaysing	Enhancing Mathematical Reasoning And Self-Efficacy With Problem-Based Learning, Contextual Teaching, And Machine Learning	21/10/2024	25/10/2024

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36.			4)G.Anitha 5)Subhashini V 6)Dr. Sushil Kumar 7)Dr C Senthilkumar 8)Dr. K. M. Manikandan 9)Thulasimani T 10)Gobhinath S 11)Kera Ram	4)G.Anitha 5)Subhashini V 6)Dr. Sushil Kumar 7)Dr C Senthilkumar 8)Dr. K. M. Manikandan 9)Thulasimani T 10)Gobhinath S 11)Kera Ram			
37.		Indian Patent : 202541005873	Mrs. Akila, Kanmani G, Mariram Kumar, Senthil Kumaran, Ashtha Arya, G.Anitha	Mrs. Akila, Kanmani G, Mariram Kumar, Senthil Kumaran, Ashtha Arya, G.Anitha	Impact-Activated Airbag System For Scaffold Worker Fall Protection	24-01-2025	16-02-2025
		Indian Patent : 202541009415 A	Dr. Senthil Kumar, Niaz A.Salam, Dr. Vanitha, Dr. Malathi, G. Anitha	Dr. Senthil Kumar, Niaz A.Salam, Dr. Vanitha, Dr. Malathi, G. Anitha	Smart Helmet System For Real Time Hazard Detection In Mining Environments	05-02-2025	21-02-2025
38.			Prof Shafqat Alauddin,Dr. K.Indhumathi,S. Pandarinathan,Rantham Subramaniam Venkatesan,Dr. Manju Hajarilal Pardeshi,Mrs.R. Madhumitha, Dnyaneshwar Buwaji Khamankar,Dr.B. Guravaiah,Dr.N.Nandhini, Anthony Savio Herminio Da Piedade Fernandes, Sindhu K,Surya Pratap Singh	Prof Shafqat Alauddin,Dr. K.Indhumathi,S. Pandarinathan,Rantham Subramaniam Venkatesan,Dr. Manju Hajarilal Pardeshi,Mrs.R. Madhumitha, Dnyaneshwar Buwaji Khamankar,Dr.B. Guravaiah,Dr.N.Nandhini, Anthony Savio Herminio Da Piedade Fernandes, Sindhu K,Surya Pratap Singh	Exploring Machine Learning Approaches For Automated Covid-19 Detection And Forecasting	07-05-2024	02-08-2024
39.	R.Madhumitha	202441075603 A	1)Dr.Srimathi.J, 2)Dr.S.Thenmozhi, 3)M.Boobalan, 4)S.Archanadevi 5)Dr.Hariprabhu Manoharan, 6)Venkata Durga Prasad Sambrow, 7)S.Poornima, 8)R.Madhumitha, 9)S. Prabhu, 10)Dr. D. Rajinigirinath	1)Dr.Srimathi.J, 2)Dr.S.Thenmozhi, 3)M.Boobalan, 4)S.Archanadevi 5)Dr.Hariprabhu Manoharan, 6)Venkata Durga Prasad Sambrow, 7)S.Poornima, 8)R.Madhumitha, 9)S. Prabhu, 10)Dr. D. Rajinigirinath	Ai With Cloud Iot Based Hybrid Solar Seawater Desalination Machine	07-10-2024	18/10/2024

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40.		202441087983	Rajkumar Sakharam Modake, Rakeshnag Dasari, Ravi Laudya, Vijay Singh, M. Angelin Ponrani , Dr. S. Vinurajkumar	Rajkumar Sakharam Modake, Rakeshnag Dasari, Ravi Laudya, Vijay Singh, M. Angelin Ponrani , Dr. S. Vinurajkumar	A Predicting Cloudburst Events Using Machine Learning System	14/11/24	22/11/2024
41.		202541005529	Rajkumar Sakharam Modake, Rakeshnag Dasari, Ravi Laudya, Vijay Singh, M. Angelin Ponrani , Dr. S. Vinurajkumar	Rajkumar Sakharam Modake, Rakeshnag Dasari, Ravi Laudya, Vijay Singh, M. Angelin Ponrani , Dr. S. Vinurajkumar	A Convolutional Neural Network-Based System For The Recognition And Voice Alert Of Traffic Sign Boards	23/01/2025	31/1/25
42.		202411103124	Dr. Belsam Jeba Ananth. M, Mr. K. P. Senthilkumar, Dr. M. Rajalakshmi, Ms. A V Kiranmai, Mrs. G. Keerthana, Dr. Anushree Deshmukh, Dr. Jyoti Metan, M. Angelin Ponrani , Dr. T R Arunkumar, Dr. J. Jebathangam, Dr. R. Bhuvana	Dr. Belsam Jeba Ananth. M, Mr. K. P. Senthilkumar, Dr. M. Rajalakshmi, Ms. A V Kiranmai, Mrs. G. Keerthana, Dr. Anushree Deshmukh, Dr. Jyoti Metan, M. Angelin Ponrani , Dr. T R Arunkumar, Dr. J. Jebathangam, Dr. R. Bhuvana	System And Method for Automated Fact Verification And Source Authentication In Real-Time News Reporting	23/01/2025	21/02/2025
43.	M. Angelin Ponrani	202511009610 A	1) Ms. Reena Saini 2) Dr. R. Balakrishna 3) Mrs. Akshita Sunerah 4) Dr. V. N. Nandini Devi 5) Yadla Sai Prasanna 6) Ms. A V Kiranmai 7) Dr. C K Gomathy 8) M. Angelin Ponrani 9) Dr. J. Prasad 10) Dr. Rupam Das	1) Ms. Reena Saini 2) Dr. R. Balakrishna 3) Mrs. Akshita Sunerah 4) Dr. V. N. Nandini Devi 5) Yadla Sai Prasanna 6) Ms. A V Kiranmai 7) Dr. C K Gomathy 8) M. Angelin Ponrani 9) Dr. J. Prasad 10) Dr. Rupam Das	IOT AND MACHINE LEARNING-BASED FAKE PROFILE DETECTION ON SOCIAL NETWORKING WEBSITES	05/02/2025	21/02/2025
44.	Dr. S. Vinayagapriya	Indian Patent: 202441052101	Ramya R, S Vinayagapriya , R Senkamalavalli, Kamalakannan R	Ramya R, S Vinayagapriya, R Senkamalavalli, Kamalakannan R	Vehicle Safety System Using Ultrasonic Sensor	08-07-2024	19/07/2024
45.		202541018584 Indian Patent	Dr. V. Srividhya, M. Aruna, Dr. S. Vinayagapriya, T. Sowmya Shree, C Malavika	Dr. V. Srividhya, M. Aruna, Dr. S. Vinayagapriya, T. Sowmya Shree, C Malavika	Smart Iot Window Automation System for Energy Conservation		21/03/2025

S.NO.	Name of the Faculty	Country & Patent No.	Applicant Name	Name of the Inventor(s)	Title	Date of Filing	Date of Publication
46.		202441094439	Dr.S.Ayyappan 2 . M. Venkatesh 3 . Saritha Panampalliyalil Sankaranarayanan 4 . Krishna B Koppa 5 . Dr. K. Ramasamy 6 . Dr.G.Venkateshwaran 7 . Ms. Agneus Christina 8 . Ms.K.Pavithra Devi 9 . Dr. Sheeba U 10 . Dr. S Vinayagapriya	Dr.S.Ayyappan 2 . M. Venkatesh 3 . Saritha Panampalliyalil Sankaranarayanan 4 . Krishna B Koppa 5 . Dr. K. Ramasamy 6 . Dr.G.Venkateshwaran 7 . Ms. Agneus Christina 8 . Ms.K.Pavithra Devi 9 . Dr. Sheeba U 10 . Dr. S Vinayagapriya	Development of a Mobile-Based Hostel Location and Recommendation Chatbot System	#####	13/12/2024
47.		INDIAN PATENT 202411077074	Dr. Priyanka Salgotra 2Nandini D 3Prof. Roopashri. V 4Nadhiya S 5 . Dr. Madhu S 6 . Guruprasad R 7 . Mr. Sashi Bhushan Rai 8 . Dr. Prabakaran P 9 . Dr. S Vinayagapriya 10 . Dr. R. Marisakthi	Dr. Priyanka Salgotra 2 . Nandini D 3 . Prof. Roopashri. V 4 . Nadhiya S 5 . Dr. Madhu S 6 . Guruprasad R 7 . Mr. Sashi Bhushan Rai 8 . Dr. Prabakaran P 9 . Dr. S Vinayagapriya 10 . Dr. R. Marisakthi	THE IMPACT OF FINANCIAL STATEMENT INTEGRATION IN MACHINE LEARNING FOR STOCK PRICE PREDICTION	10/10/2024	25/04/2025
48.		INDIAN PATENT 202441073102	1 . Dr.V. Srividhya 2 . Dr. S. Helen Roselin Gracy 3 . Dr. J. Sara Vanan 4 . Dr. P. Latha 5 . Dr. N. Mohankumar 6 . Pramod K Pandey 7 . Bhara T Tidke 8 . C. Srinivasan 9 . S.Murugan	1 . Dr.V. Srividhya 2 . Dr. S. Helen Roselin Gracy 3 . Dr. J. Sara Vanan 4 . Dr. P. Latha 5 . Dr. N. Mohankumar 6 . Pramod K Pandey 7 . Bhara T Tidke 8 . C. Srinivasan 9 . S.Murugan	Automated Home Inventory Management Using Wireless Sensor Networks And Cloud Computing	27/09/2024	04/10/2024
49.		INDIAN PATENT 202441052089	1 . Ramya R 2 . Dr. P. Latha 3 . Dr. R. Senkamalavalli 4 . J. Joshua Sakunth 5 . J. Veerendeswari	1 . Ramya R 2 . Dr. P. Latha 3 . Dr. R. Senkamalavalli 4 . J. Joshua Sakunth 5 . J. Veerendeswari	Implementation Of Waste And Garbage Recycling Vending Machine	08/07/2024	19/07/2024
50.	Dr.P.Latha	INTERNATIO NAL PATENT PCT/IN2023/05 1151	1. M. A Bhagyaveni 2. S.S Shamina 3. T. Ramesh Babu 4. M. Loganathan 5. P. Latha	1. M. A Bhagyaveni 2. S.S Shamina 3. T. Ramesh Babu 4. M. Loganathan 5. P. Latha	2x2 Mimo Antenna For 5g Communications	16.3.2023	19.9.2024
51.	Dr.S.Shirley Selvan						
52.	Dr.R.Avudaiammal	Indian Patent:202541028408	Dr. A. Geethapriya, Dr. B. Devisri, Mr. Bakkiyaraj Kanthimathi Malamuthu, Mr.	Dr. A. Geethapriya, Dr. B. Devisri, Mr. Bakkiyaraj Kanthimathi Malamuthu, Mr.	Smart Healthcare System for Early Disease Detection Using Machine Learning	26.3.25	25.4.25

S.NO.	Name of the Faculty	Country & Patent No.	Applicant Name	Name of the Inventor(s)	Title	Date of Filing	Date of Publication
	53.		Krishna Bonagiri, Dr.Gajanand Revanasiddappa Wale, Dr. S. Madhan Kumar, Dr.R.Avudaiammal, Mr. Murali krishna Atmakuri, Ms. Thasni Asharaf, Ms. Sunanda Christy Kumari	Krishna Bonagiri, Dr.Gajanand Revanasiddappa Wale, Dr. S. Madhan Kumar, Dr.R.Avudaiammal, Mr. Murali krishna Atmakuri, Ms. Thasni Asharaf, Ms. Sunanda Christy Kumari			
		Indian Patent:202541034352	Dr. B. Gopinath, Dr. K.C. Ramya, Dr. R. Sudarmani, Dr. D. Usha Nandini, Dr. N. Chandrasekharan, Dr. M.R. Thiyaupriyadharsan, Mrs. B. Deepa, Dr. R. Avudaiammal, Mr. M. Vignesh, Mr. N. Ramajayam	Dr. B. Gopinath, Dr. K.C. Ramya, Dr. R. Sudarmani, Dr. D. Usha Nandini, Dr. N. Chandrasekharan, Dr. M.R. Thiyaupriyadharsan, Mrs. B. Deepa, Dr. R. Avudaiammal, Mr. M. Vignesh, Mr. N. Ramajayam	Internet of Things (IoT) based face recognition system and method for secure and remote authentication	8.4.25	09.05.2025
			Dr. B. Gopinath, Dr. K.C. Ramya, Dr. R. Sudarmani, Dr. D. Usha Nandini, Dr. N. Chandrasekharan, Dr. M. Kaliamoorthy, Mrs. S. Geetha, Mr. N. Ramajayam, Mr. M. Vignesh, Dr. R. Avudaiammal	Dr. B. Gopinath, Dr. K.C. Ramya, Dr. R. Sudarmani, Dr. D. Usha Nandini, Dr. N. Chandrasekharan, Dr. M. Kaliamoorthy, Mrs. S. Geetha, Mr. N. Ramajayam, Mr. M. Vignesh, Dr. R. Avudaiammal	IoT-Based Agricultural Monitoring and Automation System	8.4.25	09.05.2025
55.	Dr.G.Sivagurunathan	202441082993A	1.R M Samukthaa, 2. Dr.N.Prakash 3 . M. Shyamala,4 . G Sivagurunathan 5 . Dr.M.Hariprabhu,6 . Mrs.M.Faustino Adlinda 7 . Mr.Rabi Arunachalam. A,8 . Dr. Nookala Venu 9 . Dr.J.V.Anchitaalagammai	1.R M Samukthaa,2 . Dr.N.Prakash 3 . M. Shyamala,4 . G Sivagurunathan 5 . Dr.M.Hariprabhu,6 . Mrs.M.Faustino Adlinda 7 . Mr.Rabi Arunachalam. A,8 . Dr. Nookala Venu 9 . Dr.J.V.Anchitaalagammai	A Method For Lightweight Identity Authentication Of Power Internet Of Things Sensing Terminals Using Edge Agents For Secure Ciphertext Decryption And Signature Verification	29/10/24	08-11-24
56.	Dr.M.Suresh	202441042650	1)Mrs. G. Sudha, 2)Dr.S.Nagarani, 3)Dr. S. Sanjith, 4)Dr.S.Praveen Kumar, 5)Dr.Gopalkrishna .D.Dalvi, 6)Dr.M.Suresh, 7)Mr. P K Kumar	1)Mrs. G. Sudha, 2)Dr.S.Nagarani, 3)Dr. S. Sanjith, 4)Dr.S.Praveen Kumar, 5)Dr.Gopalkrishna .D.Dalvi, 6)Dr.M.Suresh, 7)Mr. P K Kumar	Quantum Cryptography for Secure Cloud Computing Applications	31/05/2024	14/06/2024
57.		202441092074	Ms. Sharadha Kodadi, 2 . Kodanda Rami Reddy Manukonda, 3 . Sushil Lekhi, 4 . Dr. Kavita	Ms. Sharadha Kodadi, 2 . Kodanda Rami Reddy Manukonda, 3 . Sushil Lekhi, 4 . Dr. Kavita	AI-ENHANCED CONTINUOUS INTEGRATION AND DEPLOYMENT (CI/CD) PIPELINE FOR SCALABLE CLOUD-NATIVE APPLICATIONS	26-11-2025	29-11-2025

S.NO.	Name of the Faculty	Country & Patent No.	Applicant Name	Name of the Inventor(s)	Title	Date of Filing	Date of Publication
			Khatana, 5 . Dr. R. Kanakaraj, 6 . Dr. M. Suresh, 7 . Dr.NC Sachithanantham, 8 . Dr. B. Angelin, 9 . Dr. R. Anusuya, 10 . Ms. S. Janani 11 . Dr. Y. M. Mahaboobjohn	Khatana, 5 . Dr. R. Kanakaraj, 6 . Dr. M. Suresh, 7 . Dr.NC Sachithanantham, 8 . Dr. B. Angelin, 9 . Dr. R. Anusuya, 10 . Ms. S. Janani 11 . Dr. Y. M. Mahaboobjohn			
58.		202441097862	1 . Dr. K. Shirish Kumar, Dr. S. Surya, Dr. Kavita Khatana, Dr. G. Anita Hebsiba, Dr. Utpal Nath, 6 . Dr. Poonam Kaswan, Dr. Ramesh Kumar Gajula, Dr. R. Venkanna, . Dr. Jacob Vincent, . Dr. M. Suresh , Dr. Anil Kumar Singh	1 . Dr. K. Shirish Kumar, Dr. S. Surya, Dr. Kavita Khatana, Dr. G. Anita Hebsiba, Dr. Utpal Nath, 6 . Dr. Poonam Kaswan, Dr. Ramesh Kumar Gajula, Dr. R. Venkanna, . Dr. Jacob Vincent, . Dr. M. Suresh , Dr. Anil Kumar Singh	NOVEL METAL-ORGANIC FRAMEWORKS FOR EFFICIENT GAS STORAGE AND SEPARATION		
59.		INDIAN PATENT 202511006233 A	1)Prof Dr. Srinivasan G 2)Dr. Abhijit Ramesh Rao Joshi 3)Snehalata Funde 4) Kayalvizhi K R 5)Dr. A. Antony Prakash 6)Dr. Jayashri Prashant Shinde 7)Dr. Sam Sangeeth. G 8)K H Hemalatha 9)Rashmi B R 10)Pranjali Deshmukh	1)Prof Dr. Srinivasan G 2)Dr. Abhijit Ramesh Rao Joshi 3)Snehalata Funde 4) Kayalvizhi K R 5)Dr. A. Antony Prakash 6)Dr. Jayashri Prashant Shinde 7)Dr. Sam Sangeeth. G 8)K H Hemalatha 9)Rashmi B R 10)Pranjali Deshmukh	: BIG DATA FRAMEWORK FOR PREDICTING INFECTIOUS DISEASES TO IMPROVE HEALTHCARE BY DISCOVERING NEW SYMPTOM PATTERNS	24/01/2025	28/02/2025
60.	Mrs K.R Kayalvizhi	INDIAN PATENT 202521025273	1)Lokesh Payasi2)Imran Wadkar 3)Dr. Bommaraju Srinivasa Rao 4)Mallikarjuna Raju Kalidindi 5) Kayalvizhi. K. R 6)Dr. E. Hemachandran 7)Prof. Dr. Rahul Sharma 8)K.P. Vijaya Varshini 9)T. Kamal Kumar 10)Dinesh Vijay Jamthe	1)Lokesh Payasi2)Imran Wadkar 3)Dr. Bommaraju Srinivasa Rao 4)Mallikarjuna Raju Kalidindi 5)Kayalvizhi. K. R 6)Dr. E. Hemachandran 7)Prof. Dr. Rahul Sharma 8)K.P. Vijaya Varshini 9)T. Kamal Kumar 10)Dinesh Vijay Jamthe	AI-Driven Deep Learning Model for Predictive Healthcare Diagnostics	20/03/2025	28/03/2025
61.	Dr. Sumithra Sofia	202541006709	Dr. D. Sumithra Sofia , Dr. Tejaswini C, Dr. Sendamarai P, Mrs. A. Sujath,A. Priyadharshini, Mr. K.	Dr. D. Sumithra Sofia , Dr. Tejaswini C, Dr. Sendamarai P, Mrs. A. Sujatha ,A.Priyadharshini,	Nano Antennas for wireless energy transfer and communication	27/01/2025	27/01/2025

S.NO.	Name of the Faculty	Country & Patent No.	Applicant Name	Name of the Inventor(s)	Title	Date of Filing	Date of Publication
			Santhosh Kumar, Mr. T. Arunkumar, Mrs .U. Sivaranjani,	Mr. K. Santhosh Kumar, Mr. T. Arunkumar, Mrs .U. Sivaranjani,			
62.		202521000288	1 . Dr. S. J. Patil (Paraj),2 . Dr. Venkata Satya Sairam Metta,3 . Dr. A. Sathishkumar,4 . Mr. A. Mathankumar, 5 . Dr. D. Sumithra Sofia,6 . B Priyalakshmi,7 . Dr. P. K. Chidambaram	1 . Dr. S. J. Patil (Paraj),2 . Dr. Venkata Satya Sairam Metta,3 . Dr. A. Sathishkumar,4 . Mr. A. Mathankumar, 5 . Dr. D. Sumithra Sofia,6 . B Priyalakshmi,7 . Dr. P. K. Chidambaram	AI-Based Signal Processing for Efficient Wireless Communication in Industrial IoT Syst	02-01-2025	31/01/2025
63.		202431101905	Dr. Mihir Kumar Shome,Dr.J.Ramya,Dr. Balasaheb Naryanrao Shivale,Dr. Omkar Vishwas Gadre,Mr. Dada Shamrao Patil,Mrs. Chhaya Rahul Vanjare,Dr.D.Sumithra Sofia,Dr. Rajinigirinath Dhandapani	Dr. Mihir Kumar Shome,Dr.J.Ramya,Dr. Balasaheb Naryanrao Shivale,Dr. Omkar Vishwas Gadre,Mr. Dada Shamrao Patil,Mrs. Chhaya Rahul Vanjare,Dr.D.Sumithra Sofia,Dr. Rajinigirinath Dhandapani	Dynamic Resource Allocation System for Optimized Supply Chain	23/12/2024	23/12/2024
64.	Dr. Simon Prabhu	202421091931	1 . Dr. Rahul Kailas Bharati 2 . Dr. Srigouri Kosuri 3 . Dr. Dharani.H 4 . Dr. Kavita Khatana 5 . Dr. Pankaj Choudhury 6 . Dr. M. Suresh Kumar 7 . Dr. Suresh Kumar 8 . Dr. A. Simon Prabhu 9 . Pramela G 10 . Dr. S. P. Saranya	1 . Dr. Rahul Kailas Bharati 2 . Dr. Srigouri Kosuri 3 . Dr. Dharani.H 4 . Dr. Kavita Khatana 5 . Dr. Pankaj Choudhury 6 . Dr. M. Suresh Kumar 7 . Dr. Suresh Kumar 8 . Dr. A. Simon Prabhu 9 . Pramela G 10 . Dr. S. P. Saranya	METHOD AND SYSTEM FOR AUTOMATED LEGAL RESEARCH AND CASE ANALYSIS	25/11/2024	20/12/2024
65.		202421091931	1 . Dr. Rahul Kailas Bharati 2 . Dr. Srigouri Kosuri 3 . Dr. Dharani.H 4 . Dr. Kavita Khatana 5 . Dr. Pankaj Choudhury 6 . Dr. M. Suresh Kumar 7 . Dr. Suresh Kumar 8 . Dr. A. Simon Prabhu 9 . Pramela G 10 . Dr. S. P. Saranya	1 . Dr. Rahul Kailas Bharati 2 . Dr. Srigouri Kosuri 3 . Dr. Dharani.H 4 . Dr. Kavita Khatana 5 . Dr. Pankaj Choudhury 6 . Dr. M. Suresh Kumar 7 . Dr. Suresh Kumar 8 . Dr. A. Simon Prabhu 9 . Pramela G 10 . Dr. S. P. Saranya	METHOD AND SYSTEM FOR AUTOMATED LEGAL RESEARCH AND CASE ANALYSIS	25/11/2024	20/12/2024

S.NO.	Name of the Faculty	Country & Patent No.	Applicant Name	Name of the Inventor(s)	Title	Date of Filing	Date of Publication
66.	Dr. Ramachandra Reddy	Indian Patent:202441050317 A	Dr. Sharmila Sankar, Dr. S.P. Valli, Dr. C. Hema, Mrs. C. Vijayalakshmi, Mr. V. Balaji, Dr. Ramachandra Reddy , Yadavalli S S Sriramam	Dr. Sharmila Sankar, Dr. S.P. Valli, Dr. C. Hema, Mrs. C. Vijayalakshmi, Mr. V. Balaji, Dr. Ramachandra Reddy , Yadavalli S S Sriramam	CHRONO-SEMANTIC WEAVING A SYSTEM FOR DYNAMIC NARRATIVE GENERATION WITH SELF-ADJUSTING TIMELINES	01-07-2024	05-07-2024
		INDIAN PATENT : 202441096848 A	1)Dr. Durairaj.M 2)Rakesh Bharati 3)Dr Anupam Das 4)Dr Israfil Hussain 5)S. Ebenazer Roselin 6)Bobin Cherian Jos 7)Dr B. V. RamaKrishna 8)Dr.K.Ramachandra Reddy	1)Dr. Durairaj.M 2)Rakesh Bharati 3)Dr Anupam Das 4)Dr Israfil Hussain 5)S. Ebenazer Roselin 6)Bobin Cherian Jos 7)Dr B. V. RamaKrishna 8)Dr.K.Ramachandra Reddy	Smart Mirror System with Personalized Health Monitoring and Recommendations	07-12-2024	13/12/2024