



Jaya Engineering College



Approved by AICTE, New Delhi.
Affiliated to Anna University, Chennai
Accredited by NAAC & NBA



International Conference on Innovative Technologies & Engineering (ICITE-2K25) (Hybrid Mode)

Organised By

Departments of IT, CSE & MCA

On

09-05-2025



PROCEEDINGS



Authors

Dr.V.Seedha Devi ,HOD/IT

Dr.D.Balasubramanian , HOD/MCA

ISBN 978-93-342-9286-2

Message from Chairman



Prof Dr.A.Kanagaraj

It is with great pride and joy that I welcome all delegates, researchers, academicians, and professionals to the International Conference on Innovative Technologies and Engineering – ICITE-2K25. At Jaya Engineering College, we are committed to fostering innovation, research, and collaboration across disciplines. This conference exemplifies our ongoing mission to create platforms that encourage knowledge sharing and inspire technological advancements. ICITE- 2K25 brings together brilliant minds to exchange ideas, explore new frontiers, and address the pressing challenges of our time. I believe such gatherings not only drive academic excellence but also strengthen the bonds between institutions, industries, and communities. I sincerely thank the organizing committee for their dedication and all participants for their valuable contributions. May this conference serve as a catalyst for meaningful dialogue, enduring partnerships, and groundbreaking innovations. Wishing you all a productive and inspiring experience at ICITE-2K25.

Prof. Dr. A.Kanagaraj

Chairman

Jaya Educational Trust

Message from Vice Chairman



Er. K. Navaraj, M.Tech., (Ph.D.)

It is with great pride and pleasure that I extend my warmest greetings to all the eminent speakers, researchers, industry experts, academicians, and participants gathered for this prestigious International Conference on Innovative Technologies and Engineering (ICITE-2K25). This conference serves as a dynamic platform where pioneering ideas, cutting-edge technologies, and transformative engineering solutions converge to address the evolving challenges of our modern world.

The theme of this conference resonates strongly with the global call for smarter, inclusive, and sustainable technological advancements. I am confident that the insights and outcomes emerging from these deliberations will not only enhance academic and industrial landscapes but also contribute meaningfully to global development.

I commend the organizers for their vision and dedication in bringing together such a distinguished and diverse group of thought leaders. I also express my sincere appreciation to all contributors whose work and commitment embody the spirit of innovation and excellence.

May this conference ignite new collaborations, spark innovative thinking, and lay the groundwork for future achievements in science and engineering.

Er.K.Navaraj

Vice Chairman

Jaya Educational Trust

Message from Joint Secretary

Dr. K.Dheena

I am honored to extend my warmest greetings to all of you on the occasion of ICITE-2K25, our annual celebration of innovation and excellence. As Joint Secretary of Jaya Educational Trust, I am deeply proud of the passion and dedication that our community brings to this event each year. ICITE-2K25, scheduled to take place on March 28th, promises to be a day filled with inspiration, learning, and collaboration. It is a testament to our commitment to fostering a culture of innovation and creativity among our students and faculty members. This event serves as a platform for us to showcase our collective achievements, share knowledge, and explore new frontiers in technology and academia.

The work presented here will undoubtedly inspire new discussions, provoke thought, and spark the curiosity of future researchers. It is my sincere hope that these proceedings will serve as a catalyst for further exploration, innovation, and collaboration in the coming years.

I extend my sincere appreciation to the organizing committee for their tireless efforts in making ICITE-2K25 a reality. To the participants, I offer my best wishes for success, and to the faculty members and staff, I express my gratitude for your continued dedication and support. May ICITE-2K25 inspire us all to reach new heights of excellence and innovation.

Dr.K.Dheena
Joint Secretary
Jaya Educational Trust

Message from Director (Academics)



Dr.S.Suyambazhahan, ME., Ph.D.

It is with great enthusiasm that I welcome all participants to the International Conference on Innovative Technologies and Engineering ICITE-2K25. This conference reflects our institution's strong emphasis on academic excellence, research-driven learning, and interdisciplinary collaboration. At Jaya Engineering College, we continuously strive to create opportunities that foster innovation and inspire the academic community to engage with emerging technologies and real-world challenges. ICITE-2K25 is a significant step in that direction - a platform where diverse perspectives converge to explore ideas that shape the future of engineering and science. I extend my appreciation to the organizing committee for curating a program that promotes deep intellectual engagement and thank all researchers, presenters, and attendees for their valuable contributions. I encourage each participant to make the most of this opportunity to learn, share, and network. Wishing you all a productive and enlightening experience at ICITE- 2K25.

Dr.S.Suyambazhahan

Director

Jaya Group of Institutions

Message from Dean - Research



Dr.M.Somasundaram, M.Tech., Ph.D.,

This international conference(ICITE-2K25) brings together leading scholars, researchers, practitioners, and students from around the world to share their latest findings, exchange ideas, and foster meaningful collaborations. The diversity of perspectives represented here is a true testament to the global nature of our field and the importance of collective progress.

We are proud to host this gathering of minds and to provide a platform for robust dialogue, innovative thinking, and forward-looking solutions. I commend the organizing committee for their dedication and hard work in making this event a reality, and I thank each of you for your valuable contributions. May this conference be an inspiring and enriching experience for all. I encourage you to take full advantage of the sessions, connect with fellow participants, and enjoy the cultural and academic offerings of our institution and host city.

Dr.M.Somasundaram
Dean-Research
Jaya Group of Institutions

Message from Principal



Dr.V.Suresh Kumar, ME., Ph.D.,

I am delighted to acknowledge the commendable initiative taken by the Department of Information Technology in publishing the proceedings of their “ICITE-2K25.” I am confident that this conference will serve as a valuable platform for students to exchange knowledge and insights in the field of Information Technology, offering an enriching and enlightening experience for all participants. I extend my heartfelt congratulations to the faculty and students of the IT, CSE, MCA department whose dedication and efforts were instrumental in the successful preparation of this proceeding. I sincerely wish “ICITE-2K25” a grand success and hope it continues to inspire and foster innovation in the years to come.

Dr.V.Suresh kumar
Principal
Jaya Engineering College

Message from Vice Principal



Dr.S.Rajendran, ME., Ph.D.,

International Conference on Innovative Technologies and Engineering –ICITE-2K25 It gives me immense pleasure to welcome all delegates, researchers and professionals to ICITE- 2K25. This conference stands as a testament to our collective dedication to innovation, collaboration and the pursuit of sustainable technological progress. I extend my heartfelt appreciation to the organizing team for their hard work and commitment and I thank all contributors whose efforts have made this conference a dynamic platform for meaningful knowledge exchange. Wishing you all a productive, enriching and inspiring experience at ICITE-2K25.

Dr.S.Rajendran

Vice Principal

Jaya Engineering College

Message from Convener



Dr.V.Seedha Devi, ME., Ph.D.,

Expanding the horizons of technical knowledge has always been a key aspiration of our team. As the Convener of this conference, it is my proud privilege to support my dedicated faculty and students in achieving this goal through the publication of the Technical Magazine in conjunction with “ICITE-2K25.”

At the Department of Information Technology, we believe that every meaningful endeavor, whether by an individual or a team, deserves due recognition. This work is undoubtedly a testament to the genuine passion and dedicated performance demonstrated by our team. I take this opportunity to congratulate them on this remarkable achievement, which reflects their commitment to excellence, innovation and leadership.

Dr.V.Seedha Devi

HOD / IT

Jaya Engineering College

Message from Co-Convener



Dr.D.Balasubramanian, M.Phil., Ph.D.,

I am delighted in acknowledging the Inter National Conference on Innovative Technologies & Engineering -ICITE 2K25 by IT, CSE & MCA Department by the Jaya Engineering College, Chennai. The conference aims to bridge the researchers working in academia and other professionals through research presentations and keynote addresses in current technological trends. Furthermore, this conference will also facilitate the participants to expose and share various novel ideas. I take this opportunity to thank all the members of the organizing committee for their sincere and dedicated efforts to make this conference as a live and intellectual forum. You will get ample opportunities to widen your knowledge and network. I thank the conference committee for extending their valuable time in organizing the program and all the authors, reviewers, and other contributors for their sparkling efforts and their belief in the excellence of ICITE 2K25.

Dr.D.Balasubramaniyam

HOD / MCA

Jaya Engineering College

**JAYA
ENGINEERING
COLLEGE**

About The Institution

Jaya Engineering College (JEC), established in 1995, is a permanently affiliated with Anna University, Chennai, and approved by AICTE, New Delhi. It is a part of the Jaya Group of Institutions, which includes 30 institutions across Engineering, Medical, Agriculture, Arts & Science and other fields. JEC is NAAC accredited and 2 programmes (B.E.CSE & B.Tech. Textile) have been accredited by NBA. It is a recognized Nodal Centre for MSME Startups under both Central and State Government Initiatives, with CSE and IT departments specifically serving as innovation hubs. The college actively collaborates with ICTACT. JEC is a proud participant in the Naan Mudhalvan program and hosts several courses and events to enhance student skills. Offering 13 UG and 8 PG programs, JEC provides a modern academic environment with advanced labs, digital infrastructure, and experienced faculty, ensuring holistic development in both technical and soft skills. Our students actively participating and winning in various hackathons conducted in international level like Japan, Singapore, Taiwan, etc.

Vision of the Institution

To achieve Excellence in Technical Education through Innovative Teaching and Multidisciplinary Research with Professionalism to Serve the Global Society.

Mission of the Institution

1. To Impart High Quality Teaching and Learning for Engineering, Technology and Management Studies by providing State-of-art-infrastructure.
2. To Provide Quality Education, Self-discipline and Ethical values.
3. To Associate with R&D and Industries to have Connectivity with the Society.
4. To Impart Knowledge to become Empowered Professionals in the field of Engineering and Management.

**DEPARTMENT OF
INFORMATION
TECHNOLOGY**

About Department

The Department of IT was started in the year 1998. The department offers four-year B.Tech. Course with an intake of 120 Students. The department has distinguished, dedicated and specialized faculties in different areas of IT with rich experience in Academics, Industries and Research. The Department has well-equipped and spacious laboratories with modern computer equipment. The department regularly conducts various seminars and workshops in emerging topics frequently. The campus area networking with round the clock internet connectivity is looked after by the department of IT. The faculty members of IT are engaged in various research projects in innovating the new technologies.

Vision of the Department

To bridge the gap between the academicians and the industry. To impart quality education through innovative teaching and learning methods.

Mission of the Department

To develop employable software developing graduates with knowledge, skills and ethics; provide them with the professional and soft skills necessary to lead a successful career.

**DEPARTMENT OF
COMPUTER
SCIENCE AND
ENGINEERING**

About The Department

The Department of Computer Science and Engineering (CSE) was established in the year 1995 with the mission to educate students from all over India, including those from rural areas, so that they become enlightened individuals, improving the living standards of their Families, Industry and Society. CSE shares the mission and vision of the institute in imparting high-quality education to the students and the department is accredited by the National Board of Accreditation (NBA) in the year 2006 and 2011. The Department has the state-of-the-art facilities for various laboratories, a well-equipped seminar hall, Wi-Fi enabled class rooms to support e-Learning, and a department library. The Department of Computer Science and Engineering, with a collective experience of teaching 2400 students and 28,800 man-hours supported by the team of 6 technical experts Council with 28 faculty members. The department has enough power to deliver the ambitious requirement of producing a complete engineer. The computing facilities consists of 16 Mbps OFC backbone with 1025 Intel systems on hierarchical topology with a watch guard firewall running on Ubuntu 15.4 and Fedora with more than 100 tools installed enough for a modern incubation center of industry standards.

Vision of the Department

To achieve Excellence in Computer Science and Engineering by providing quality technical education to cater the need of industry and society through research and development.

Mission of the Department

The Computer Science and Engineering Department is committed to

- M1-Provide strong fundamentals and technical skills in Computer Science Engineering through effective teaching and learning methods.
- M2-Impart high quality experiential learning to get expertise in modern software tools and to procure the real timer requirements of the industry.
- M3-Inculcate problem solving and team building skills and promote lifelong learning with a sense of societal and ethical responsibilities.

**DEPARTMENT OF
MASTER OF
COMPUTER
APPLICATIONS**

About The Department

The MCA Department was started in the year 1997. The department offers three-year MCA Course. The department has a team of highly qualified, dedicated and motivated faculty and well-equipped laboratories. The department aim is to provide the students with a perfect blend of intellectual and practical experiences that helps them to serve our society and address a variety of needs. The department plan academic courses and projects to endow students with the ability to apply knowledge of developing the software, and the capability to work effectively in multidisciplinary teams, providing leadership and technical expertise. Project topics focus on Cloud Computing, Mobile Computing and Networking.

Vision of the Department

To nurture Versatile and Skilled Techniques with Moral Values

Mission of the Department

The Computer Science and Engineering Department is committed to

- **M1** To Infuse ethical, social and leadership qualities through innovative activities.
- **M2** To bridge the gap between industry and academia through alumni support.
- **M3** To mould students with formal theoretical and practical knowledge.

INDEXPAGE

S.No.	TITLE	PageNo.
1	Machine Learning Based Cloud Security For Software Defined Network <i>Salem Yoseph, Hassan Ahmed Jibril, Ahamed Aden Umer</i>	1
2	Utilizing a Machine Learning approach at the Higher Secondary Level for Forecasting Students' Academic Performance <i>Minakshi Sharma and Prof. Vibhakar Mansotra</i>	14
3	Deep Learning Methods for Herbal Plant Classification: A Study Using CNN Architectures and Ensemble Learning <i>Megha Raina and Vibhakar Mansotra</i>	22
4	Stock .Tech AI (Stock price prediction using machine learning) <i>Dr..M.Rajasekaran, TGanghadhar, Janagani Ganesh, DTharunTeja, PVijayKumar</i>	30
5	Analysis of Key Encapsulation Mechanisms <i>S. Nirmala Devi, Dr. M. Ganaga Durga</i>	43
6	BLOCKCHAIN-Based Agri-Food Supply Chain Management <i>L. Hemalatha, Selvaraj M, Varunkarthik T, Vasathakumar D, Selvakumar T</i>	50
7	An Aqua sync A Sustainable IOT Framework for Aqua Culture And Hydroponics <i>M Prateekshiitha, Amirthavarshini C, Nisha D</i>	56
8	Cargo Weaver: A Multi-User Logistics Automation System <i>Lakshmi M K, Devadharshini T K, Praganya R, Ramu@Ratthika N, Kayalvizhi S</i>	63
9	Smart Ambulance Navigation for Chennai Using IOT and Traffic API. <i>Riya Sharma, Killi Hanshitha</i>	70
10	AI-Driven Digital Twin Framework for Predictive Maintenance in Industrial IOT Environments. <i>Ojashwini Ramesh, Panga Haripriya, Janani Sri V, Nithya B</i>	77
11	On Neutrosophic p*gp-Closed Sets in Neutrosophic Topological Spaces. <i>M. Jeyachitra</i>	86
12	Block chain-Enhanced Safe Firmware Update System for Modern Cars. <i>SathyaSai.JS, Bhargavi.A, MukthaSree.T, Magisha.N</i>	91
13	Self-Healing Block chain Mesh: A Decentralized Cyber security Framework for Autonomous Vehicle Protection. <i>Sanjay T, Kishore V, Sindhuja U</i>	96
14	Student Assistance Chat Bot for Department of Technical Education (TNEA) <i>Gopi R, Arish S</i>	103
15	Smart Quality Control For PCB Using Deep Convolution Neural Networks <i>Dr. K. Venkatalakshmi, Dr .P. Dharanyadevi, Vetrivel Gandhi P, Mohemmed Tariq S R, Srisanjay V, Surya Prakash E</i>	109
17	Quantum Approach with Angle Encoding Technique for Brain Tumour-Classification. <i>K. P. Maheswari, T. Kalaiselvi</i>	116
18	AI-Powered Detection of Harmful Online Comments. <i>Srinithi M, Shalini S, Sarumathi G, Asha RT, MariaSampoornam</i>	124
19	IOT Based Deep Sea Fishermen Location Tracking And Monitoring System. <i>Priyadarshini P, Nandhini K, Raabiya N, Mohammed Waqas</i>	131
20	Personal Memory Assistant: An AI-Powered System for Intelligent Memory Management and Recall. <i>Sivadharani S, Nivedha R, Dhanalakshmi J</i>	136
21	Cognitive Radio Multipath Transmission Control Protocol <i>Manoj A, Surya Prakash R, Balaji R, Mohamed Hasan A</i>	142

22	URL Shortener From Long URL to Short URL <i>Lavanya, Shaik Muzamil Rehaman, Mohammad Sowban F</i>	151
23	AI-Powered SAAS Applications: Redefining Business Intelligence and Workflow Automation <i>Gayathri J, Dr.D.Shanmuga Priyaa</i>	158
24	Improving Network Security: Using Hybrid Of CNN-RNN Approach Optimized By Orca Optimization Algorithm <i>Kishore Kumar</i>	163
25	Smart Biometric System For Multi-Parameter Health Diagnostics Using AI And ML Algorithms. <i>Gopinath M, Bhavana Shree J, Yasir Ahmed R</i>	173
26	Web Development – A Web Platform For Registration, Authorization and Support For Migrant Workers <i>K.Suresh, Vignesh kumar S, Dhanush kumar</i>	180
27	Implementing Automatic Fault Detection And Prediction System <i>Ms. Gopika J, Ms. Lathika S, Ms. Madhumitha R, Dr. Hari Krishnan N</i>	186
28	Nutrivibe-Smart Food, Hydration And Fitness Planner <i>Oviya S, Thatchayani N, Preethi K, Yuvadharshini M</i>	195
29	Skin Cancer Detection Using Neural Networks <i>Venkatesh K, Keerthivaasan A, Lok Ranjan P, Mahith I.K, Monish M</i>	205
30	100DaysWorkersMonitoringSystem <i>Ms. K. Radha, Rethanya M, Udhayan S, Vedha Mugundhan A</i>	216
31	Bridging Gesture Control and Augmented Reality <i>Mrs. Sindhu, Harish Kumar, Prasad S, Lalith Kishore H</i>	223
32	Ai-Driven Heart Monitoring & Protection System Using Machine Learning <i>Jayanthi N, Deneshwaran M, Duraisamy S, Logeshwaran K, Sakthikumar E</i>	235
33	An Ai Voice Chat Bot For MSEC <i>Jaganathan R, Nilesh J, Pillai Gokul Ravi Kum, Shudesh A</i>	240
34	Automated Resume Screening Using Machine Learning And Large Language Model <i>Kalaivani, Roopadharsini R J, Umayal S, Divya R</i>	250
35	Smart Medical Chat bots For Personalized Patients Assistance Artificial Intelligent Tools And Applications <i>Nithesha P, Namitha B, Harshini R, Gayathri R</i>	262
36	A Decentralized Exchange Aggregator For Optimized Cross-Dex Trading <i>Ruban P, Dr. T. Amitha Vishal Aakash H</i>	267
37	A Secure And Engaging Social Media Web Platform <i>Agalya S, Chandralekha V, Dr P Guhan</i>	272
38	Ai Multi view: A Unified Framework For Comparative Evaluation Of Ai-Powered Chat bots <i>Lin Eby Chandra J, Shalini M, Kalaivani R</i>	278
39	Artifact Explorer -An Augmented Reality Application For Real-World Interaction <i>Dr.V. Seedha Devi, Yogeshwari D, Uma Maheshwari K, Priya Dharshini R, Selvi D</i>	285
40	Mobile App For Online Metro Tickets Booking & Reservation System <i>Arunkumar S, Dr. D. Balasubramanian</i>	289
41	Audio Emotion Recognition Using Machine Learning <i>Hemalatha M., Mrs. D. Prema</i>	297
42	Block chain-Backed Secure Online Voting With Face Recognition Authentication <i>Dr.V.Seedha Devi, Kamala Shree R, Vichitra R, Deva Dharshini R, Shrisha S</i>	304
43	Central eye: Ai-Powered Detection And Reporting System For Fake Social Media <i>Alangaram S, Sakthipriyan SP, Poovarasan M, Jayasurya M, Jishnu K, Jayan</i>	311

44	Ai Based Complaint Management System For Municipal Service Citizen Connect <i>Sanjay Kumar S, Sairam M, Gayathri A</i>	318
45	Computer Vision <i>Vishwa R, Vignesh S, Mr. P Gagan</i>	324
46	Scan-And-Go Health Record System <i>Dr.V.Seedhadevi, Shalini M, Suguna P, Sadhana S, Shalini M</i>	330
47	Real-Time Object Detection Using Yolov5 For Smart Surveillance Systems <i>AUGUSTIN PAUL J</i>	335
48	Ai Mock Interview App <i>D.Sangeetha, Ganga G, Godhai sree, Gomathy K</i>	338
49	Talking To Machines: A Deep Dive Into Speech Recognition <i>Kowsalya S, Kanimozhi S, Mrs. Amsa S</i>	343
50	Fake News Detection Using NLP <i>Gayathri , Tamilarasu V, Santhosh B</i>	350
51	Lifetime Digital Medicard System <i>Dr.V.Seedhadevi, Sandhiya S, Sahanasri K, Pavithra PN, Sarala CP</i>	354
52	Credit Card Fraud Detection Using Machine Learning <i>Abishek Ponnusamy, Prof. Dr.D. Balasubramanian</i>	359
53	Smart Home IOT-Enabled Automated Laundry Collection With Weather-Responsive Control <i>Ms.D.Sangeetha, Derik Mol. 2, Swathi. R, Harisha. V, Nivedha. S</i>	363
54	Ai-Powered UPI Fraud Risk Management <i>Uva shakthi E, Divesh K, Dinesh Kumar D</i>	371
55	Orchestral Ai Agents For Leveraging Perfect Yields <i>Thirumurugan S, J.Lin Eby Chandra, Dhanush R</i>	376
56	Solar Power Monitoring System <i>HarishKumarG,HemeswaranP,Mrs.ShyamaladeviB</i>	381
57	Smart Rabies Control And Road Safety System Using Digital Dog Collar And Vaccination Database <i>Dr. V. Seedha Devi, Yuvashree G, Vaishnavi P S, Divya J, Livetha K</i>	388
58	Educational Hub-A Unified Platform For Academic Excellence <i>Monish A., Dr. D. Balasubramanian</i>	392
59	Ethical Implication Of Ai In Communication <i>Sanjai G, Lohitha L, Dr. P. Guhan</i>	402
60	Ai Enabled Self Regulated Learning System For Attaining Outcomes <i>Dr .M.Somasundaram, Srivatsan M.J, Parvinraj M</i>	408
61	Health Data Information And Management System <i>R.Srinivasan, Deepika R, Jayabharathi S, Dhanushsree A, Devadharshini M</i>	413
62	Chain fuse: A Decentralized Multi-Chain Expense And Subscription Management Platform <i>D Prashant, M. Kumaran</i>	417
63	Efficient Of Blood bank Management Through Cloud Technology <i>Mr.R.Srinivasan, K. Prithika, C. Neharika, S. Srimathi</i>	422
64	Skin Cancer Prediction Using Deep Learning <i>Uva shakthi E, AkkashH, Mithunraj P M</i>	427
65	Generative Ai For Student Individual Ai Assisat <i>Ms.D.Sangeetha, Dineshkumar M, Ajithkumar C, Krishna A C, Ajai J</i>	433
66	Crime Prediction And Detection Using Face Recognition: Enhancing Security Through Facial Analysis <i>Gowtham T P, Mrs. D. Prema</i>	437
67	Face trace: Fake Id And Image Forgery Detection In Social Media Using Machine Learn <i>Janat Peter, Soniya C M, Varsha K S, D. Sangeetha</i>	445

68	Computer Vision <i>Mr. K.Bharath, Mr. Fazil Sha, Mrs. C. Ranjani</i>	454
69	Recruit Crew: An Ai-Enhanced Volunteer Coordination Platform For Efficient Engagement And Task Management <i>Nishanth SPK, Deepak Raja RA, Lin Eby Chandra J.</i>	462
70	Intelligent contract analyzer and risk assessment tool <i>Rajalakshmi R, Nikesh K, Vinodhini S</i>	468
71	Spam Email Detection To Evaluating The Effectiveness Of Machine Learning Methods <i>Levin Cesario K., Mrs. D. Prema</i>	474
72	A Convolutional Approach To Facial And Gesture-Based Authentication <i>Jinu Joel, Prema.D</i>	480
73	Machine Learning Model To Classify Toxic Comments Using ANN (Artificial Neural Network) <i>Sarath Ananth C., Ms Merlin Reena S</i>	486
74	Malicious URL Detection With Google Reporting Feature, Vulnerable Links Removal, And Online Test System <i>Kishore K., Mrs. D. Prema</i>	492
75	Android Application For Mobile Hardware Testing <i>Monesh Hari Krishnan., Mrs. D. Prema</i>	497
76	Mobile Networks And Wireless LAN <i>Rajeshwari. K, Swathy K, Dr. P. Guhan</i>	507
77	Network Protocols And Architecture <i>Jayapradhap B, Jayachandran J, Mrs. Bhuvaneshwari B</i>	511
78	Online E-Learning Platform <i>Ajay. B, Ezhilkumaran. P, Kiswar. M, Dharani Dharan.K, Mr.R.Srinivasan</i>	516
79	Community Legal Aid Support System <i>Prof M Kumaran, Shobana P, Pughazhendhi G, Danduri Mohnish</i>	520
80	Wearable Embedded Systems For Health Monitoring <i>HARISH K, HARIHARAN S, Mrs. SHYAMALA DEVI B</i>	525
81	Neuroskin-AI-Powered sensory Feedback Tattoo For Individual With Disabilities <i>Praveena.R, Samitha.G, Sowmiya.B, Dharshini.k, Ms.D.Sangeetha5</i>	531
82	Development Of A Location-Based Home Service Booking Application With Real-Time Tracking And User Ratings <i>Dorothy Christobel.S, Dr. D. Balasubramanian</i>	537
83	NFT Art Gallery For royalty Transformation <i>Sandeep Akash B, Dhanush Kumar G, S.N Nandhini</i>	541
84	Decentralized Medical Records Management System Using Ethereum <i>Joshua Shibu A, Gowri Sankar S, Rajalakshmi R</i>	546
85	Job Hunt Ai: Smart Job Listings And Vacancy Monitor <i>SARAVANA KUMAR E, LAVANYA M, Dr. SANDYA RANI</i>	551
86	Health care Chat bot For Rural Area <i>Rahul Ragavendar G J, Nithish Kumar B, Rajalakshmi R</i>	556
87	Assessing Mobile Application Privacy With A Quantitative Framework And Alternative Application Suggestions <i>Santhosh Kumar S, S Shri Badrinath, Rajalakshmi R</i>	561
88	Implementation Of A Natural Language Processing-Based Text Classification System <i>Sanjay. G, Vetrivelan. S, Sai Varsha K</i>	566
89	Smart Sign Language Interpreter <i>Hemnath Selvam, D. Prema</i>	572
90	V card Generator Web Application Using Firebase And Google APIS For Digital Identity Management	575

	MANJULA M, GAYATHRI K, AMSA S	
91	Query Bridge: NLP Driven Ai Platform For SQL Query Generation <i>Dhanurmathy P, Keerthana R, Logeshwari S, Dr. Seedha Devi V</i>	580
92	Solar Predictive For Power Generation And Radiation <i>Suresh V, Muthumani V, Pasupulati Guru, Mrs. D. Sangeetha</i>	590
93	Real-Time Wind Energy Prediction And Storage <i>Rajeshkanna V, Raghul S, Yashwanth Bharathi S, S. Alangaram</i>	600
94	Wealth Building Plan Application Using Data Analytics <i>Tharun P G, Shanthosh G, Dinesh E, Prof. Poovaraghan R J</i>	610
95	IOT Based Self Charging System For Electric Scooters Using Alternator <i>Praveen Kumar V, Kamala Arun K, Shakthivelan M, Mr R J Poovaraghan</i>	620
96	Secure Payment By Facial Recognition Using Haar Cascade Algorithm <i>Muhilan P, Mugundhan G, Raghul M, Dr. V Seedha Devi</i>	628
97	Secure Block chain-Based Remote Voting System With Biometric Authentication And Ai-Powered Monitoring <i>Gokul M, Abinash, SP, Abishek K, Malarkani M, Mrs. Sangeetha D</i>	638
98	Smart Outfit Matching And Virtual Try-On Using Ai <i>Akash B, Narasimma Varman L, Dinesh V, Dr. V Seedha Devi</i>	647
99	News AI Classifier: AI-Driven System for News Article Classification and Categorization <i>Uma S, Jeeva R, Manibharathi V S, Naveen G, Saravanan K</i>	656
100	Decentralized Educational Framework for Dynamic Leasing, Collaborative Resource Exchange, and Credential Verification Utilizing Block chain <i>Kuzhanthaivelu C, Esther Jabina S, Shobana P</i>	664
101	A Review: Security IOT -Federated Learning Framework For Privacy-Preserving Real-Time Environmental Monitoring In Industrial IOT Healthcare Applications <i>Nithya Kalyani, Dr. N. Karthikeyan</i>	672
102	Real Time Monitoring And Detection Of Wildlife Animals That Passes The Village Areas <i>Akash R, Hambrash P, Mr. J Lin Eby Chandra</i>	682
103	Ai-Powered Smart Traffic Management System <i>Banupriya C, Charuprabha KC, Raghul P, Sasikumar S</i>	694
104	Cyber threat defense: AI-based generative adversarial network for intelligent Network intrusion detection system <i>Bavithra B, Mathesh Krishnan M, Arul B, Aravind S, Shashank S</i>	707
105	Monitoring Parameters Of Single-Phase Induction Motor Using IOT <i>Simborian P, Yuvaraj S, Sathees Kumar D, Sheik Mohamed M</i>	718
106	Robust Deep fake Detection System Leveraging Mesonet Algorithm For Secure And Trustworthy Media Authentication <i>Dhamayandhi N, Rahul S, Ashok Kumar K, Nandhakumar P, Karthik V</i>	728
107	Intelligent Crime Pattern and Prediction System <i>Devi Shree S, Sai Sanjana S, Mr. M. Kumaran</i>	738
108	AI-Personalized Dental Care Application with Budget Recommendation <i>Kamatchi A, Kaviya R, Mr. J. Lin Eby Chandran</i>	746
109	Edunest-College Management Application Using Flutter Dart <i>Mrs. D. Sangeetha, Dinesh M, Krishnamoorthi S, Rajkumar G</i>	753
110	Attendance Through Facial Recognition <i>K. Arulnithi, K. Balaji, S. Hari Prasath, E. Hemanaath</i>	760
111	Decentralized Community Notes: A Block Chain-Based News Verification System <i>Balapraveen R, Mohammad Naseem N, Mrs. Gayathri</i>	771

112	Real-Time Moving Vehicles Detection Classification And Color Recognition Using YOLO-NAS Algorithm <i>Subash Muthu Mathavan P, Thirumurugan V, Suvith S, Varunraja V</i>	781
113	Spend Smart: A Web-Based Expense Tracker For Efficient Financial Management <i>Modish R, Naveen S, Tharun Kumar N, Varghese A</i>	794
114	GCP Chat: Cloud Ai Chat BoT Using Google Cloud Dialog flow <i>Ms. Revathi S, Radhesh Kumar KM, Yeswanth S, Vasanth V</i>	802
115	Decentralized Land Registration Using Block chain And Smart Contracts <i>Praveen Kumar V, Sumesh D</i>	812
116	Gesture-Based Smart Home Automation <i>Mrs. M. Sudha, Mr. A. Asmon Riny, Mr. D. Selva Kumar, Ms. L. Asha</i>	816
117	Crop Yield Prediction Using Machine Learning Based On Soil Nutrients And Rainfall <i>Mrs JayaPrabha. T, Ansaar. S, ArsathDeen. J, Alimudeen Kani. R</i>	822
118	Gesture-To-Text: Enhancing Sign Language Recognition For Inclusive And Accessible Communication <i>Priyadharshini S, Hari Prasath S, Mohamed Gani M, Moneshwaran S, Vishal K</i>	828
119	AI Driven Heart Monitoring and Protection system using Machine Learning <i>Jayanthi N, Deneshwaran M, Duraisamy S, Logeshwaran K, Sakthikumar E</i>	836
120	Ai-Based Assignment Grading System <i>Dennis Cyrus, Elvin Joseph B, Harrish Raghavendaar R R, Jeevan T</i>	842
121	Next-Step: An Ai-Powered Intelligent Career Guidance System For Personalized Career Development <i>Kumaran, Manikandan R, Siri Chandhana K, Nandhini S N</i>	857
122	Decentralized Identity Manager <i>Gayatri A, Kumaran M, Sunil S</i>	867
123	Ai-Driven Multi-Model Transformer Assessment For Teacher Performance Analysis System Through Audio Detection <i>Gaythri D, Tanujhaa G, Priyadharshini V, Manojkumar P</i>	876
124	A Rectangular Micro strip Patch Antenna Combined With Siw For MIMO Applications <i>Kesavarthini M, Lerin A, Celcia Suganthi S</i>	888
125	Detecting Disease In Herbal Plants <i>Saranya M, Samyuktha R</i>	896
126	Gain-Enhanced Hexagonal Shape With Periodic Micro strip Patch Antenna <i>Meena Dharshini V, Abinaya A, Madhumitha T</i>	903
127	Smart Agriculture System Using Machine Learning <i>Anusiya Mary, Lakshmi Priya, Pandiselvi, Mrs. Murugalakshmi</i>	912
128	Healthcare Chatbot For Rural Area <i>Rahul Ragavendar GJ, Nithish Kumar B, Rajalakshmi R</i>	920
129	Design And Development Of IOT Based Smart Safety Helmet For Bike Riders <i>Kirubakaran N, Daniel Abraham J, Santhosh H, Sandhiya M, Sudhagar M</i>	925
130	Implementing A Real-Time Landslide Early Warning System Using Sensor Data And Ai Models <i>Sandhiya S, Bharath B, Thayalan G</i>	936
131	Arduino Based Automated Smart Bridge Control System <i>Rajesh M, Elavarsan E, Theodore Reas A</i>	946
132	Inventory And Product Demand Forecasting System <i>Karthick R, Bhoomish V A, Niranjana N, Kavin Krishna K</i>	955
133	Leveraging The Metaverse For Sustainable Solutions In The Reduction Of Environmental Impact, With A Focus On Virtual Offices, Classrooms, And Nature Experiences	963

	<i>Vanithasri K, Mohamed Fahim J, Ahamed Shafhan M, Annapoorani S</i>	
134	Fundamentals Of Neural Networks For Biomedical Imaging <i>Pandeti Sai Vinitha, Venkita Subramaniam V N, Murali Krishna U S</i>	972
135	Generative personalized AI Assistant designed to enhance individual Learning <i>Mr.R.Srinivasan, Dineshkumar M ,Ajithkumar C ,Krishna C A ,Ajai J</i>	983
136	Pneumonia Detection Using Deep learning <i>Marripati Santhosh, Dabbara Chaitanya Chowdary, Lin Eby Chandra J</i>	989
137	Hand Gesture Recognition using Machine Learning <i>¹Savitha M, ²Sivanadh CC, ³Raj Kumar Jha, ⁴Rakeshsharma K</i>	1001
138	A Review: The Parkinson's disease in utilization of image encoding of multimodal dataset techniques using the (Positron Emission Tomography (PET), Extreme Learning Machine (ELM) and single-hidden layer feed forward neural networks (SLFNs) <i>¹U.Vijayaraghavan Research Scholar , ²Dr.N.Karthikeyan Professor</i>	1010