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Affiliated To Mother Teresa Women's University, Kodaikanal, Re-accredited with 'A+' Grade by NAAC

#### ABOUT THE CONFERENCE

ICCT-2024 is a non-profit conference and the objective is to provide a platform for academicians, researchers, scholars and students from various institutions, universities and industries in India and abroad, to exchange their research and innovative ideas in the field of Cloud, Communication and Internet of Things. We invite all students, research scholars, academicians, engineers, scientist and industrialist working in the field of Intelligent Computing, Communications and Techniques from all over the world. We warmly welcome all the authors to submit their original research in upcoming conference ICCT-2024 to share their knowledge and experience among each other in collaboration with M. V. Muthiah Government Arts College for Women and ICT Academy, Chennai.

#### DATE AND VENUE

September 27, 2024 at M. V. Muthiah Government Arts College for Women, Dindigul, through hybrid mode (Google Meet)

#### CALL FOR PAPERS

ICCT-20224invites survey, technical reports and research papers from researchers / academicians / students / industrialists on submission for addressing theoretical and practical topics in the field of Intelligent Computing and Communication Technologies with the following disciplines [but not limited to]: Abstract and Camera Ready paper send to: icct24@mvmwgacdgl.ac.in

Science and Technology: Computer Networks, Machine Learning, Agriculture, Life Science, Data Science, Cryptography and Security, Web Mining, Artificial Intellignece, Signal Processing, Image Processing, Data Mining, Robotics, Medical Image Analyzer, Graph Theory, Bio Informatics, Data Analytics, Set Theory, Natural Languages, Web Content Mining, Text Mining, Simulation Technique, Big Data Analytics, Algorithm and Analysis, Intelligent Communication Technologies, Intelligent Computing, Blockchain Computing, Internet of Things, Edge Computing, Monitoring Systems, Environmental Studies, Fog Computing.

#### **AWARDS**

The Best paper award for each session will be adjudged by panel of experts. The award includes Momento and a Certificate CONFERENCE PROCEEDING AND JOURNAL PUBLICATIONS

Proceedings of the conference will be released with ISBN and supports UGC CARE List ICT Academy journal publications after editorial considerations.

Publication in ICTACT Journals - International Publications of ICT Academy: The best papers selected in the Conference by the Conference Judges/Reviewers will be recommended for possible publication in the respective scopes of ICTACT Journals. These papers would be selected for publication after the peer review process by ICT Academy. ICT Academy currently publishes five International Journals - ICTACT Journal on Communication Technology, ICTACT Journal on Soft Computing, ICTACT Journal on Image & Video Processing, ICTACT Journal on Microelectronics and ICTACT Journal on Management Studies. For more details visit www.ictactjournals.in

Conference Date SEPTEMBER 27, 2024 Registration Fees Important Dates **Participants** INR USD **Abstract Submission** : 4th Sep. 2024 Academicians \$12 1000 Paper Acceptance 9th Sep. 2024 Research Scholars \$10 750 Full Paper Submission : 18th Sep. 2024 Students (UG & PG) 350 \$5 Registration : 20th Sep. 2024 Industrial Delegate 1500 \$15

Website:https://www.mvmwgacdgl.ac.in/content/icct24.html Mail: icct24@mvmwgacdgl.ac.in

Contact Us +91 98425 06919, +91 94863 63429 +91 98654 57039, +91 97884 43000

REGISTRATION



Submission

Intimation

18.09.2024



#### M.V. MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN Dindigul - 624 001

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# Intelligent Computing and Communication Technology

International Conference on Intelligent Computing and Communication Technology- "ICCT-2024"

Conference Date: 27.09.2024



#### ICCT-2024

ICCT-2024 is a non-profit conference and the objective is to provide a platform for academicians, researchers, scholars and students from various institutions, universities and industries in India and abroad, to exchange their research and innovative ideas in the field of Cloud, Communication and Internet of Things. We invite all students, research scholars, academicians, engineers, scientist and industrialist working in the field of Intelligent Computing, Communications and Techniques from all over the world. We warmly welcome all the authors to submit their original research in upcoming conference ICCT-2024 to share their knowledge and experience among each other in collaboration with M.V.Muthiah Government Arts College for Women and ICT Academy,

#### M V Muthiah Govt. Arts College (W)

The College which was started in 1966, is a multi-disciplinary institution offering diverse courses. Tamil and English as medium of instruction, various Arts and Science degree Courses are offered by this college. The college has thirteen under graduate courses ,eleven post graduate courses and 6 M.Phil. The departments of Tamil, English, Computer Science and Geography, Mathematics have emerged as research departments. The college has 63 permanent staff members including the Principal and 75 Guest lecturers in both I & II shifts. The college provides higher education to 2690 students in the current academic year. The college has a well equipped library. 26254 books are available in the general library and the individual departments have 21823 books in their libraries for the maximum utility of students. The Principal and staff members take the institution in the path of excellence successfully. Thousands of rural and downtrodden students enjoy the facilities provided by the college to a fuller extent.

#### **ICT Academy**

ICT Academy is an initiative of the Government of India in collaboration with the state Governments and Industries. ICT Academy is a not-for-profit society, the first of its kind pioneer venture under the Public-Private-Partnership (PPP) model that endeavours to train the higher education teachers and students thereby exercises on developing the next generation teachers and industry ready students.

#### PG & Research Department of CS

The Department of Computer Science was established in the year 1988 with the objective of imparting quality education in the field of Computer Science and strives to shape outstanding computer professionals. The Department has modern facilities for teaching, learning and research. The Department offers a wide range of research opportunities and programs of study at undergraduate and postgraduate level. The training imparted aims to prepare young minds for the challenging opportunities in the IT industry with a global awareness supported by experts in the field of Computer Science. The Department started Diploma Course PGDCA in the year 1997 to impart basic Computer Education to rural women folks. To empower the knowledge of Computer Science Graduated Students, M.Sc. Computer Science programme was started in the year 2011 with the aim to develop core competence in Computer Science and prepare the students to carry out development work, as well as take up challenges in research. Besides these, as an added feather, the Department has evolved as Research Department by offering Master of Philosophy (M.Phil.) and Doctor of Philosophy (Ph.D.) in Computer Science with the aim of producing quality researchers and high-impact interdisciplinary research. The department has a strong commitment to excellence in undergraduate and postgraduate and research education. Ours is the vibrant department and has over 250 students and 14 dedicated staff members. Our students, staff and alumni are central to our success With rapidly evolving technology and the continuous need for innovation, the Department has produced quality professionals holding important positions in the IT industry and other departments in India and abroad.







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ICCT - 2024

#### INTERNATIONAL CONFERENCE

INTELLIGENT COMPUTING AND COMMUNICATION TECHNOLOGY

**Important Dates** 

04.09.2024

Abstract **Submission**  09.09.2024

Selection **Intimation**  18.09.2024

Camera Ready **Papers** 

20.09.2024

Last Date of Registration 27.09.2024

Conference Date



**Intelligent Computing** 

Session -I



**Communication Technology** 

Session - II



27 TH **SEPTEMBER** 2024



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#### **PROGRAMME**

# ICCT - 2024



INTERNATIONAL CONFERENCE

# FREE MEET UP ONLINE CONFERENCE

#### FRIDAY, 27TH SEPTEMBER 2024

10.30 AM - 4. 00 PM VIA ONLINE

#### **Venue**

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE M. V. MUTHIAH GOVT. ARTS COLLEGE FOR WOMEN DINDIGUL - 1

#### **ABOUT**

ICCT-2024 is a non-profit conference and the objective is to provide a platform for academicians, researchers, scholars and students from various institutions, universities and industries in India and abroad, to exchange their research and innovative ideas in the field of Cloud, Communication and Internet of Things. We invite all students, research scholars, academicians, engineers, scientist and industrialist working in the field of Intelligent Computing, Communications and Techniques from all over the world. We warmly welcome all the authors to submit their original research in upcoming conference ICCT-2024 to share their knowledge and experience among each other in collaboration with M.V.Muthiah Government Arts College for Women and ICT Academy,

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- INTELLIGENT COMPUTING
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# Session - III: Emerging Technology

Dr. C.P. THAMIL SELVI **Associate Professor** Department of Artificial Intelligence & Data Science,

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# Session - IV: Computing Communication

(Online) Dr.A.MUTHUSAMY **Assistant Professor** Department of Computer Technology Kongu Engineering College Perundurai, Erode-638060



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### CONFERENCE THEMES

NOT IMITED TO



**Intelligent Computing Techniques** 

Wireless Networks and Related Techniques

**Blockchain Computing and Its Applications** 

**Data Science and Data Mining** 

Recent Advancements and Challenges in AL and ML

Internet of Things and its Applications

Social Security and Health Care Systems

NLP, Robotics, Agriculture and Climate Changes

**Evolutionary Computation and Privacy Computing** 

**Cross Disciplinary Insights and Innovations** 

**Cyber and Information Security** 

Fog Computing and Cloud Computing

Strategic Management and Supply Chain Management

Big Data Analytics and Computational Systems

Edge Computing for smart and secure communications

**Monitoring System and Environmental Studies** 

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09.09.2024 Selection

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ICCT24-067  Nayas M Sukanya J  Elderly Care using Motion History Image and Correlation Factor  Inter-Valued Trapezoidal Neutrosophic approach inventory model in Quadratic Demand with permissible delay in time  ICCT24-069  Karthika S Muthukrishnaveni M Dr. Gayathri S.P.  Pr. Muthusamy A Dr. Maheshwari D Dr. Lakshmi P Dr. Rajeswari R  ICCT24-071  Dr. Janaki R Dr. Rajeshwari J Dr. Janaki R Dr. Rajeshwari J		ICCT24-066	Dr. Rajeshwari I	Performance for Crop Yield Prediction Through Parameter	388 - 396
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ICCT24-070  Dr. Maheshwari D Dr. Lakshmi P Dr. Rajeswari R  Dr. Rajeswari R  Dr. Janaki R Dr. Rajeshwari I  Dr. Rajeshwari I  Dr. Rajeshwari I  And Prevention Source Authentication of Black Hole Attack in VANETS  Real-Time Health Insights: An IoT Approach to Patient  420 - 424		ICCT24-069	Muthukrishnaveni M		408 - 412
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ICCT24-072	Ms. Archana M S Dr. Anandakrishnan N	A Novel Hybrid Algorithm for Effective Task Offloading in Mobile Edge Computing: Genetic Meets Grey Wolf Optimization	425 - 428
ICCT24-073	Ms. Anusree P P Dr. Anandakrishnan N	Optimizing Memory Segmentation in AI With K-Mapping Techniques	429 - 434





PG & Research Department of Computer Science

#### M.V. MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

#### PROGRAMME SCHEDULE

#### 27TH SEPTEMBER 2024 (Friday)

Time: 10:00 am - 5:00 pm

Registration: 9.30 am 10.30 a	m.
Inaugural Function: 10.30 am.	
Invocation	
Prayer Song	CS Students
Welcome Address	Dr. I. Rajeshwari - Convenor
	Associate Professor & Head
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Conference Theme	Dr. A. Subramani - Organizing Secretary
	Assistant Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Releasing the E-Proceeding	Dr. K. Naganandhini - Patron
Presidential Address	Principal (i/c)
Releasing Souvenir	Dr. R. PushpaLakshmi
	Professor & Head
	Department of Computer Science and Engineering
	(Cyber Security)
	P.S.N.A. College of Engineering and Technology
	Dindigul.
Chief Guest Introduction	Dr. S. Krishnaveni
	Associate Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Inaugural Address	Dr. R. PushpaLakshmi
	Professor & Head
	Department of Computer Science and Engineering
	(Cyber Security)
	P.S.N.A. College of Engineering and Technology
	Dindigul.

Chief Guest Introduction	Mrs. J. Sukanya
	Assistant Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Felicitation	Mr. S. Muralirajan
Tenettation	Senior Relationship Manager
	ICT Academy
	Tirunelveli
Chief Guest Introduction	Dr. B. Ashadevi
Cinci Guest Introduction	Assistant Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
T 11 14 41	Dindigul
Felicitation	Dr. C.P. Thamil Selvi
	Associate Professor
	Department of Artificial Intelligence & Data Science
	Rathinam Technical Campus
	Coimbatore
Vote of Thanks	Dr. S. Rajathi
	Assistant Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Tea Break	11.00 am to 11.15 am.
Invite Talk Session - I	11.15 am to 12.00 Noon
Google Meet Link	https://meet.google.com/thn-snjt-wsr
Guest Speaker Introduction	Dr. A. Shanthasheela
•	Assistant Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Keynote Address	Dr. Asadi Srinivasulu
reynote madess	Visiting Professor (crcCARE) Cooperative Research
	Centre for Contamination Assessment and Remediation
	Of the Engineering, Science and Environment,
	The University of Newcastle, Australia.
Topic	Data Science and Emerging Technologies
Vote of Thanks	
vote of filaliks	Dr. A. Athisakthi, Faculty
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
	Parallel Technical Sessions
Technical Session - I	12.00 Noon to 1.00 pm.
Theme of the Session	Intelligent Computing

Session Coordinator	Dr. B. Ashadevi
	Assistant Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Session Chair Introduction	Mrs. S. Meena, Faculty
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Session Chair	Dr. C.P. Thamil Selvi
Session Chair	Associate Professor
	Department of Artificial Intelligence & Data Science
	Rathinam Technical Campus
	Coimbatore
Technical Session - II	
Theme of the Session	12.00 Noon to 1.00 pm.
	Communication Technology
Session Coordinator	Mrs. J. Sukanya Assistant Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Session Chair Introduction	Mrs. P. Sangeetha, Faculty
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Session Chair	Dr. R. PushpaLakshmi
	Professor & Head
	Department of Computer Science and Engineering
	(Cyber Security)
	P.S.N.A. College of Engineering and Technology
	Dindigul.
Lunch Break	1.00 pm to 2.00 pm
Invite Talk Session - II	2.00 pm to 3.00 pm
Google Meet Link	https://meet.google.com/wbg-kqft-wzg
Guest Speaker Introduction	Dr. S. Rajathi, Assistant Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Keynote Address	Dr. Rajasekaran Selvaraju
	Professor, Department of Information Technology
	College of Computing and Information Sciences,
	University of Technology and Applied Sciences, Ibri,
	Sultanate of Oman.
Topic	IoT Opportunities.

Vote of Thanks	Dr. S. Mohanambal, Faculty
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Tea Break	3.00 pm to 3.15 pm
	Parallel Technical Sessions
Technical Session - III	3.15pm to 4.00 pm.
Theme of the Session	Emerging Technology
Session Coordinator	Mrs. P. Muthamil Selvi
	Assistant Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Session Chair Introduction	Mrs. D. Jeyanthi, Faculty
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Session Chair	Dr. C.P. Thamil Selvi
	Associate Professor
	Department of Artificial Intelligence & Data Science
	Rathinam Technical Campus
	Coimbatore
Technical Session - IV	3.15 pm to 4.00 pm.
Google Meet Link	https://meet.google.com/zdk-jrez-mab
Theme of the Session	Computing Communication (Online)
Session Coordinator	Dr. S. Krishnaveni
	Associate Professor
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Session Chair Introduction	Mrs. A.P. Nagalakshmi, Faculty
	PG & Research Department of Computer Science
	M.V.Muthiah Government Arts College for Women
	Dindigul
Session Chair	Dr. A. Muthusamy
	Assistant Professor
	Department of Computer Technology
	Kongu Engineering College,
	Perundurai, Erode

Valedictory Function			
Time	4.15 pm to 4.45 pm		
Feedback	Participants &		
	Dr. C. P. Tamil Selvi, Session Chair		
Best Paper Award	Declared by		
	Dr. I. Rajeshwari, Convenor - ICCT'24		
Certificate Distribution Chief Guest and Convenor			
Movement Capture Group Photograph			
Vote of Thanks Ms. P. Muthamil Selvi, Coordinator			
	PG & Research Department of Computer Science		
M.V.Muthiah Government Arts College for Women			
Dindigul			
National Anthem			







PG & Research Department of Computer Science

#### M.V. MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

#### **TECHNICAL SESSION - I**

27th September 2024 (Friday)

#### PANEL - I: INTELLIGENT COMPUTING

Paper Presentation	on 12	.00 Noon - 1.00 pm	
Session Coordinator Dr		r. B. Ashadevi	
	As	ssistant Professor	
	PC	G & Research Department of Computer Science	
	M	.V.Muthiah Government Arts College for Women	
	Di	indigul	
<b>Chair Person Int</b>	roduction M	rs. S. Meena	
	Fa	culty	
	PC	G and Research Department of Computer Science	
		.V.Muthiah Government Arts College for Women,	
	Di	indigul	
<b>Chair Person</b>	Dı	r. C.P. Thamil Selvi	
	As	ssociate Professor	
	De	Department of Artificial Intelligence & Data Science	
	Ra	athinam Technical Campus	
	Co	oimbatore	
Paper ID	Author(s) Name	Title of the Papers	
	Daniani D	<b>Evaluating the Effectiveness of Machine Learning</b>	
ICCT24-008	Ranjani R	Algorithms in Predicting Diabetes Risk: A	
	Dr. Suguna K	Comparative Survey	
ICCT24-022	Vanitha R	Advanced Prediction of Thyroid Cancer using	
ICC124-022	Dr. Perumal K	Gradient Boosted Neural Networks (GBNN)	
ICCT24-023 Uma J Suguna S		AI-Powered Road Accident Prevention	
		Recommendation System	
ICCT24-029 Saleth Mary I		Computer-Assisted Lung Cancer Diagnosis	
ICC124-029	Dr. ShanthaSheela A	through Morphological Analysis & CNN	
ICCT24-038	Muthamil Selvi P	Morphological Watershed Segmentation of	
100124-030	Widilanin Selvi I	COVID-19 CT Images Based on Markers	

ICCT24-042	Rajagopal D Dr. Padmanabhan K	Component Intrusion Detection and Prevention in Cloud by using Behaviour Profiling and Statistical Approach Model and its Performance Analysis	
ICCT24-043	Sheeba Sugantharani E Dr. Subramani A	Intensified Hierarchical Leukemia Classification: Optmised Extrinsic Attention Based ResNet-50 and Long Short-Term Memory System	
ICCT24-060	Dr. ShanthaSheela A Pavithra S Harini S	A Prospect Method for Recognizing human Activity with CNN	
ICCT24-061	Suseilrani R Dr.Prema A	The Role of BERT and Clustering in Descriptive Short Answer Evaluation and Semantic Feature Analysis - A Review	
ICCT24-062	Dr. Ramasamy K	LINKTREE: A Versatile Tool for the Academia and the Libraries	
ICCT24-064	Jeyanthi D Dr. ShanthaSheela A	Prognosis of Stroke Lesion using SLC Ensemble Machine Learning Classifier in Highly Imbalanced Dataset	
ICCT24-065	Ranjitha S Harini K Sukanya J	Blockchain for Secure Online Transactions: A Comprehensive Analysis	
ICCT24-066	Dr. Rajeshwari I	Enhancing Decision Tree Performance for Crop Yield Prediction Through Parameter Tuning	
ICCT24-067	Dr. Vijayakumar S Nayas M Sukanya J	Enhanced Fall Detection in Elderly Care using Motion History Image and Correlation Factor	

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#### M.V. MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

#### **TECHNICAL SESSION - II**

27th September 2024 (Friday)

#### PANEL - II: COMMUNICATION TECHNOLOGY

Paper Presentation	on	12.00 No	oon - 1.00 pm	
Session Coordinator		Mrs. J. Sukanya		
		Assistant Professor		
		PG & R	esearch Department of Computer Science	
		M.V.Mt	ıthiah Government Arts College for Women	
		Dindigu	11	
<b>Chair Person Into</b>	roduction	Mrs. P. S	Sangeetha	
		<b>Faculty</b>		
			esearch Department of Computer Science	
		M.V.Mı	ıthiah Government Arts College for Women	
		Dindigu	ıl	
<b>Chair Person</b>		Dr. R. P	ushpaLakshmi	
		Professo	or & Head	
		Department of Computer Science and Engineering		
		(Cyber Security)		
		P.S.N.A. College of Engineering and Technology		
		Dindigu	11.	
Paper ID	Author(s) Nai	me	Title of the Papers	
	Birundha Rani M		An Analysis and Investigation of Hybrid	
ICCT24-002	Dr. Subramani A		Feature Selection Technique for Data	
	Di. Subiumum 11		Mining Applications	
			An Early Detection of Kawasaki Disease	
ICCT24-003 Kavitha C			using Enhanced Feature Selection and	
100124 000	Dr. Subramani A		Hybridization Based Classification	
			Approach	
	Gayathri N		Advanced Techniques in Machine Learning	
ICCT24-009	Sivasankari J		and Deep Learning: Applications and	
	Dr. Ashadevi B		Implementations	

ICCT24-012	Dr. Naganandinisujatha Praveena P	Survey on Deep Learning Approaches, Datasets, Architectures, Evaluation Measures for Automated Detection and Grading Systems of Diabetic Retinopathy
ICCT24-017	Archana A.R Dr. Krishnaveni S	Fog Computing and Cloud Computing: Architecture, Key Technologies, Applications and Security Challenges
ICCT24-021	Jasmine B Dr. Krishnaveni S	Recent Advances in Hybrid Architectures Combining CNNS and RNNS for Iamage Classification
ICCT24-024	Sugapriya C Fariya Azleena A	An Integrated Economic Production Quantity Model for Improper Manufacturing Processes with Prepayments in a Green Environment
ICCT24-026	Meena C Dr. Krishnaveni S	Online Disruptive Comment Detection on Social Network using Machine Learning
ICCT24-032	Hosanna M Dr. Suguna S	Predicting Cyber Bulling on Social Media using Deep Learning Algorithms: Review of Literature
ICCT24-033	Priyadharsini K Dr. Shantha Sheela A	Revolutionizing Deep Learning Driven Food Recognition
ICCT24-037	Sweetlin Devamanohari S Vaishnavi S	IoT Security Models with Latest Algorithm Incorporated
ICCT24-039	Santhiya K Dr. Murugan D	An Ensemble Learning Model for Renal Disease Classification using LIME and DEEP SHAP: A Hard Computing Approach
ICCT24-044	Sweetlin Devamanohari S Banupriya D	Enhancing Network Security in IoT Ecosystems: Challenges, Emerging Threats, and Advanced Defense Mechanisms
ICCT24-055	Dr. Athisakthi A	Statistical Analysis for the Classification of Neurodegenerative Diseases
ICCT24-068	Saranyaa P Sugapriya C	Inter-Valued Trapezoidal Neutrosophic approach inventory model in Quadratic Demand with permissible delay in time
ICCT24-069	Karthika S Muthukrishnaveni M Dr. Gayathri S.P.	Recent Trends in the Application Perspective of Robotics

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#### M.V. MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

#### **TECHNICAL SESSION -III**

27th September 2024 (Friday)

#### PANEL - III : EMERGING TECHNOLOGIES

n	3.15	pm - 4.00 pm	
Session Coordinator		Ms. P. Muthamil Selvi	
		Assistant Professor	
	PG & Research Department of Computer Science		
	M.V	Muthiah Government Arts College for Women	
	Din	digul	
oduction	Mrs	. D. Jeyanthi	
	Facu	ılty	
	PG o	& Research Department of Computer Science	
	M.V	Muthiah Government Arts College for Women	
	Din	digul	
	Dr.	C.P. Tamil Selvi	
	Associate Professor		
	Department of Artificial Intelligence & Data Science		
	Rathinam Technical Campus		
	Coi	mbatore	
Author(s) Name	e	Title of the Papers	
Wijawalakahmi W		Comparative Analysis of URL-Based, Content-	
3 5		Based, and Network-Based Phishing Detection	
Dr. Suguna K	Techniques		
Henu Varsha V		Leveraging Natural Language Processing for	
Jafrin Fathima M		<b>Effective Text Classification using Sentiment</b>	
Dr. Ashadevi B		Analysis	
Backia Lakshmi R		Loveraging Large Language Models for COVID	
Mahalakshmi M		Leveraging Large Language Models for COVID-	
Dr. Ashadevi B		19 Data Insights	
	Author(s) Name Vijayalakshmi V Dr. Suguna K Henu Varsha V Jafrin Fathima M Dr. Ashadevi B Backia Lakshmi R Mahalakshmi M	Author(s) Name  Vijayalakshmi V Dr. Suguna K  Henu Varsha V Jafrin Fathima M Dr. Ashadevi B  Backia Lakshmi R Mahalakshmi M	

ICCT24-014	Sukanya J Dr. Vijayakumar S	Enhancing Smart and Secure Communications through Edge Computing: Architectures, Challenges and Future Directions
ICCT24-015	Sudhamathi T Dr. Perumal K	Applications of Machine Learning Techniques in Agriculture- A Literature Review
ICCT24-016	Uma K Dr. Perumal K	Application of Machine Learning in Healthcare Domain - A Detailed Literature Review
ICCT24-019	Yogeswari T Dr. Krishnaveni S	Cross Disciplinary Insights and Innovations
ICCT24-031	Imrana Parveen H Swetha G Dr. Rajeshwari I	Multi-Biometric QR Code Systems for Student Attendance Leveraging Multi Fingerprint and IRIS Data for Secure Verification
ICCT24-057	Nagalakskhmi A.P Dr. Krishnaveni S	A Literature survey on Content Based Image Retrieval System for Mitigating Semantic GAP
ICCT24-058	Siva Padma Devi S Dr. FloranceAnnal C	A Geospatial Based Crop Yield Estimation: A Case Study of Dindigul District
ICCT24-059	Dr. ValarMathi S Dr. Manonmani I.K	Satellite Image Processing for Land use and Land Cover Mapping in Lower Vaippar Sub Basin, Tamilnadu
ICCT24-063	Dr. Ramasamy K	CHATBOTS IN LIBRARIES: A Theoretical Exploration
ICCT24-070	Dr. Muthusamy A Dr. Maheshwari D Dr. Lakshmi P Dr. Rajeswari R	IDPSA: An Improved Detection and Prevention Source Authentication of Black Hole Attack in VANETS
ICCT24-071	Dr. Janaki R Dr. Rajeshwari I	Real-Time Health Insights: An IoT Approach to Patient Monitoring

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#### M.V. MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

#### **TECHNICAL SESSION -IV**

27th September 2024 (Friday)

#### PANEL - IV: COMPUTING COMMUNICATION

Paper Presentati	ion	3.15 pm - 4.00 pm	
Google Meet Link		ttps://meet.google.com/zdk-jrez-mab	
Session Coordin	nator	Dr. S. Krishnaveni	
		Associate Professor	
		PG & Research Department of Computer Science	
		M.V.Muthiah Government Arts College for Women	
		Dindigul	
Chair Person In	troduction	Mrs. A.P. Nagalakshmi, Faculty	
		PG & Research Department of Computer Science	
		M.V.Muthiah Government Arts College for Women	
		Dindigul	
Chair Person		Dr. A. Muthusamy	
		Assistant Professor	
		Department of Computer Technology	
		Kongu Engineering College, Perundurai, Erode	
Paper ID	Author(s) Name	Title of the Papers	
	Rekha M.P.	<b>Dimensionality Reduction in Time Series Data</b>	
ICCT24-001	Dr. Perumal K	using Hybrid Artificial Neural Network Linear	
	Di. i ciuliai K	Regression	
ICCT24-006	Shanjana R.S	<b>Productivity Increase in Electronic Industry</b>	
100124-000	Dr. Shanker N.R	<b>Using Decision Tree Regression</b>	
ICCT24-011	Michael Raj S	<b>Innovative Approaches in Early Detection of</b>	
100124-011	Dr. Manikandan K.B	Heart Disease: A Machine Learning Perspective	
ICCT24-018 Dhanalakshmi S Akshaya V.L		NLP AI Applications -A Review	
		A Research and an Overview of Service-	
ICCT24-027	Dr. Lavanya T	Oriented Architecture, Web Services for	
	Ĭ	<b>Industrial Applications</b>	
		Smart Driver Safety System for Preventing	
ICCT24-028	Roshni M	<b>Mobile Phone Distractions to Reduce Road</b>	
		Accidents	

ICCT24-034	Thilakavalli K Dr. Saraswathi A	A Proficient Model for Curriculum Design using Blooms Taxonomy Model Towards Learners Growth
ICCT24-035	Thilakavalli K Dr. Saraswathi A	A Hybrid Bidirectional LSTM with Enhanced Vision Transformer Approach for Claucoma Disease Prediction
ICCT24-036	Revathy P Dr. Jayaprakash R	A Hybrid Bidirectional LSTM with Enhanced Visio Transformer Approach for Claucoma Disease Prediction
ICCT24-040	Nisanth G Dhanushree D	Exploring Machine Learning Techniques for Stroke prediction and Prevention
ICCT24-041	Nukam Chandu Himanshu Kumar Martin A	Encrypted Traffic Detection and Packet Categorization: A Statistical Approach using port Number
ICCT24-045	Abarna N Ankit Satapathy Dr. Maheshwari D	A Survey on Multi-Disease Prediction Using Deep Learning Techniques
ICCT24-046	Antony Xavier Eruthayaraj V Aswath Kumar Dr. Maheshwari D	Robotics in Agriculture: Leveraging Robotics to Enhance Agronomic Practices and Advance Smart Farming
ICCT24-047	Boomish V Chandru P Dr. Maheshwari D	Image Processing-Based System for Vehicle Classification in Parking Management
ICCT24-048	Vijay Athithyaa M Santhosh M Dr. Maheshwari D	Analyzing Human Language Using Natural Language Processing
ICCT24-049	Masaniappan Rahul G Sanjay N Dr. Maheshwari D	Multimedia Processing: Its Relevance and Applications in Different Sectors
ICCT24-050	Sibiksha A Swetha S.N Dr. Maheshwari D	Optimized Machine Learning Models for Robust Anomaly Detection in Cyber Security
ICCT24-051	Vignesh Kumar S Darshan R. M Dr. Maheshwari D	Analyzing Classification Models for Phishing URL Detection
ICCT24-052	Kavitha P Padmapriya K.R Dr. Maheshwari D	Leveraging Big Data Analytics for Business Insights: Technologies and Methodologies
ICCT24-053	Kathirvel K Vaisali J Dr. Maheshwari D	Smart Washing Machine Control System Using Fuzzy Logic Techniques
ICCT24-054	Sneka D Sindhoora B Dr. Maheshwari D	Optimizing Task Scheduling and Resource Allocation in Cloud Computing Using Heuristic Methods
ICCT24-056	Dr. Swamynathan A.N Dr. Vani	Digital Care Apps in India: Prospect and Impediments

	Thangapandian	
	Anitha V	
	Hema G	
ICCT24-072	Archana M.S Dr. Anandakrishnan N	A Novel Hybrid Algorithm for Effective Task Offloading in Mobile Edge Computing: Genetic Meets Grey Wolf Optimization
ICCT24-073	Anusree P.P Dr. Anandakrishnan N	Optimizing Memory Segmentation in AI With K-Mapping Techniques

Organizing Committee ICCT-2024

#### M.V.MUTHIAH GOVT. ARTS COLLEGE FOR WOMEN



(Affiliated to Mother Teresa Women's University, Kodaikanal)

Re-accredited with 'A+' Grade by NAAC Dindigul—624 001, Tamilnadu, India



**PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE** 

&

#### ICTACADEMY

#### ICT ACADEMY, CHENNAI

We cordially invite you to the inauguration of

### International Conference on "INTELLIGENT COMPUTING & COMMUNICATION TECHNOLOGY"

#### ICCT - 2024

27th September 2024, Friday,

Venue: KAMARAJ ARANGAM Time: 10.30 a.m.

#### Dr. I. RAJESHWARI, M.Sc., M. Phil., M.B.A., Ph.D.,

Head of the Department,

ICCT 24-Convener, PG & Research Dept. of Computer Science

deliver the Welcome address

#### Dr. A. SUBRAMANI, M.C.A., M. Phil., M.B.A., Ph.D.,

Organizing Secretary, PG & Research Dept. of Computer Science

deliver the Conference Theme

#### Dr. (Mrs.) K. NAGANANDHINI, M.A., M. Phil., Ph.D.,

Principal (I/C), M.V. Muthiah Govt. Arts College for Women

deliver the Presidential address

#### Dr. R. PUSHPALAKSHMI, M.E., Ph.D.,

Professor & Head,

Department of CSE (Cyber Security)

P.S.N.A College of Engineering and Technology, Dindigul

has kindly consented to offer the inaugural Address

#### Mr. S. MURALIRAJAN.

Senior Relationship Manager, ICT Academy, Chennai

#### Dr. C.P. THAMIL SELVI

Associate Professor, Department of Artificial Intelligent & Data Science Rathinam Technical Campus, Coimbatore

felicitate over the function

#### Dr. S. RAJATHI, M.C.A., M.Phil., Ph.D.,

Assistant Professor, Department of Computer Science deliver the vote of thanks

ICCT - 2024

International Conference on

"INTELLIGENT COMPUTING & COMMUNICATION TECHNOLOGY"







#### PROGRAMME SCHEDULE

DATE: 27.09.2024 VENUE: KAMARAJAR ARANGAM

9.00 A.M. : REGISTRATION

10.30 A.M. : INAUGURAL

11.00 A.M. : TEA BREAK

11. 15 A.M. Dr. ASADI SRINIVASULU

Invite Talk on Data Science and Emerging Technology

12.00 Noon Dr. R. PushpaLakshmi & Dr. C.P. Thamil Selvi

Session Chairs for Technical Sessions

1.00 P.M. : LUNCH BREAK

2.00 P.M. Dr. RAJASEKARAN SELVARAJU

Invite Talk on IoT Opportunities

3.00 P.M. : TEA BREAK

3.15 P.M. Dr. C.P. Tamilselvi & Dr. A. Muthusamy

Session Chairs for Technical Sessions

A NO P M · VAI FRICTORY

#### **ICCT'24 CONFERENCE THEME**

First of all I thank Principal Madam of this college, Convener of this conference and my collogue, to bring this conference as a grant successes. And also thank to given me to this nice opportunity to present the conference theme

Ladies and gentlemen, distinguished chief guests, esteemed speakers, and delegates, Good Morning to one and all present here. I am honored to welcome you to today's conference, where we convene to explore the transformative power of Intelligent Computing and Communication Technology - ICCT-2024 jointly organized by PG and Research Department of Computer Science and ICT Academy, Chennai. This conference initiated with an objective to provide a platform for academicians, researchers, scholars and students from various institutions, universities and industries in India and abroad, to exchange their research and innovative ideas in the field of Computing and Communication.

The International Conference on Intelligent Computing and Communication Technology -ICCT-2024 will provide you with an excellent opportunity to present your latest research issues in various discipline of Science and Technology. It will provide invaluable opportunity for academia, scientists, and industry professionals to interact with each other and disseminate the ideas.

#### The Era of Intelligent Computing

We are living in an era where technology is redefining the fabric of our society. Intelligent computing and communication technology have become the cornerstones of innovation, driving:

- Artificial Intelligence and Machine Learning
- Internet of Things and Edge Computing
- 5G and Next-Generation Communication Networks
- Cyber security and Data Privacy

#### **Shaping the Future**

Today's conference will delve into the latest advancements and applications of intelligent computing and communication technology, focusing on:

- Smart Systems: Intelligent transportation, healthcare, and urban planning
- Secure Communications: Cyber security, data privacy, and encryption
- AI-Driven Innovation: Machine learning, natural language processing, and computer vision

#### **Keynote Highlights**

Our esteemed keynote speakers Dr Asadi Srinivasulu, Professor at crcCARE, the University of Newcastle, Australia. and Dr. Rajasekaran Selvaraj, Professor, University of Technology and Applied Sciences, Ibri, Sultanate of Oman will share insights on:

- The future of intelligent computing and communication technology
- Emerging trends and challenges
- Successful case studies and applications

The response of this international conference is tremendous and .we have received more than 100 research papers in national and international level. All selected papers will publish in the form of conference proceedings as soft copy and also hard copy with ISBN Number. After peer reviewed the selected papers, it will be published in Scopus and UGC Care List series in ICT Academy Journals in Intelligent computing related Journals. The best paper selected by the panel will be awarded at the end of the Conference. This conference provides a platform that will benefit the research community in large.

#### Call to Action

As we gather today, I urge you to:

- Engage in meaningful dialogue and knowledge sharing
- Collaborate to address complex challenges
- Harness the potential of intelligent computing and communication technology to create a better future

All participants make use of this platform to enhance your reasearch perspective in various domains and also exposed your knowledge through technical sessions handled by international and national experts in Data science and opportunities in Iot.

Let us revolutionize the future together!

Thank you All

### List of Papers Recommended to further review process

S. No.	Paper ID	Author(s) Name	Title of the Paper	Name of the Reviewer
1	ICCT24-001	Rekha M.P. Dr. Perumal K	Dimensionality Reduction in Time Series Data using Hybrid Artificial Neural Network Linear Regression	Dr. Lavanya M
2	ICCT24-002	Birundha Rani M Dr. Subramani A	An Analysis and Investigation of Hybrid Feature Selection Technique for Data Mining Applications	Dr. Shantharajah S.P
3	ICCT24-003	Kavitha C Dr. Subramani A	An Early Detection of Kawasaki Disease using Enhanced Feature Selection and Hybridization Based Classification Approach	Dr. Shantharajah S.P
4	ICCT24-005	Vijayalakshmi V Dr. Suguna K	Comparative Analysis of URL- Based, Content-Based, and Network-Based Phishing Detection Techniques	Dr. Shantharajah S.P
5	ICCT24-008	Ranjani R Dr. Suguna K	Evaluating the Effectiveness of Machine Learning Algorithms in Predicting Diabetes Risk: A Comparative Survey	Dr. Ajay Shriram Kushwaha
6	ICCT24-012	Dr. Naganandinisujatha S Praveena P	Survey on Deep Learning Approaches, Datasets, Architectures, Evaluation Measures for Automated Detection and Grading Systems of Diabetic Retinopathy	Dr. Ajay Shriram Kushwaha
7	ICCT24-015	Sudhamathi T Dr. Perumal K	Applications of Machine Learning Techniques in Agriculture- A Literature Review	Dr. Lavanya M
8	ICCT24-016	Uma K Dr. Perumal K	Application of Machine Learning in Healthcare Domain - A Detailed Literature Review	Dr. Ramesh J
9	ICCT24-021	Jasmine B Dr. Krishnaveni S	Recent Advances in Hybrid Architectures Combining CNNS and RNNS for Image Classification	Dr. Ajay Shriram Kushwaha
10	ICCT24-022	Vanitha R Dr. Perumal K	Advanced Prediction of Thyroid Cancer using Gradient Boosted Neural Networks (GBNN)	Dr. Kumaresh N

11	ICCT24-023	Uma J Dr. Suguna S	AI-Powered Road Accident Prevention Recommendation System	Dr. Kumaresh N
12	ICCT24-029	Saleth Mary I Dr. Shantha Sheela A	Computer-Assisted Lung Cancer Diagnosis through Morphological Analysis & CNN	Dr. Ramesh J
13	ICCT24-033	Priyadharsini K Dr. Shantha Sheela A	Revolutionizing Deep Learning Driven Food Recognition	Dr. Kumaresh N
14	ICCT24-034	Thilakavalli K Dr. Saraswathi A	A Proficient Model for Curriculum Design using Blooms Taxonomy Model Towards Learners Growth	Dr. Rajeshwari R
15	ICCT24-035	Thilakavalli K Dr. Saraswathi A	Enhancing Laboratory Information Management Systems (LIMS): Stakeholder Perceptions and Improvement Strategies	Dr. Rajeshwari R
16	ICCT24-036	Revathy P Dr. Jayaprakash R	A Hybrid Bidirectional LSTM with Enhanced Visio Transformer Approach for Claucoma Disease Prediction	Dr. Rajeshwari R
17	ICCT24-038	Muthamil Selvi P	Morphological Watershed Segmentation of COVID-19 CT Images Based on Markers	Dr. Padma Priya R S
18	ICCT24-039	Santhiya K Dr. Murugan D	An Ensemble Learning Model for Renal Disease Classification using LIME and DEEP SHAP: A Hard Computing Approach.	Dr. Padma Priya R S
19	ICCT24-042	Rajagopal D Dr. Padmanabhan K	Component Intrusion Detection and Prevention in Cloud by using Behaviou Profiling and Statistical Approach Model and its Performance Analysis	Dr. Padma Priya R S
20	ICCT24-043	Sheeba Sugantharani E Dr. Subramani A	Intensified Hierarchical Leukemia Classification: Optmised Extrinsic Attention Based ResNet-50 and Long Short-Term Memory System	Dr. Lakshmi P
21	ICCT24-044	Sweetlin Devamanohari S Banupriya D	Enhancing Network Security in IoT Ecosystems: Challenges, Emerging Threats, and Advanced Defense Mechanisms	Dr. Lakshmi P

22	ICCT24-055	Dr. Athisakthi A	Statistical Analysis for the Classification of Neurodegenerative Diseases	Dr. Lakshmi P
23	ICCT24-058	Siva Padma Devi S Dr. FloranceAnnal C	A Geospatial Based Crop Yield Estimation: A Case Study of Dindigul District	Dr. Vanitha N
24	ICCT24-059	Dr. ValarMathi S Dr. Manonmani I.K	Satellite Image Processing for Land use and Land Cover Mapping in Lower Vaippar Sub Basin, Tamilnadu	Dr. Vanitha N
25	ICCT24-061	Suseilrani R Dr. Prema A	The Role of BERT and Clustering in Descriptive Short Answer Evaluation and Semantic Feature Analysis - A Review	Dr. Vanitha N
26	ICCT24-066	Dr. Rajeshwari I	Enhancing Decision Tree Performance for Crop Yield Prediction Through Parameter Tuning	Dr. Muthusamy A
27	ICCT24-067	Dr. Vijayakumar S Nayas M Sukanya J	Enhanced Fall Detection in Elderly Care using Motion History Image and Correlation Factor	Dr. Muthusamy A
28	ICCT24-070	Dr. Muthusamy A Dr. Maheshwari D Dr. Lakshmi P Dr. Rajeswari R	IDPSA: An Improved Detection and Prevention Source Authentication of Black Hole Attack in VANETS	Dr. Lavanya M
29	ICCT24-071	Dr. Janaki R Dr. Rajeshwari I	Real-Time Health Insights: An IoT Approach to Patient Monitoring	Dr. Kumaresh N
30	ICCT24-072	Ms. Archana M S Dr. Anandakrishnan N	A Novel Hybrid Algorithm for Effective Task Offloading in Mobile Edge Computing: Genetic Meets Grey Wolf Optimization	Dr. Muthusamy A

### M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN, DINDIGUL-624001 INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND COMMUNICATION TECHNOLOGY (ICCT'24) JOINTLY ORGANIZED BY

#### PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE & ICT ACADEMY, CHENNAI

#### CONFERENCE SUMMARY REPORT

DATE: 27.09.2024(FRIDAY) VENUE: KAMARAJ ARANGAM

#### CONFERENCE SCOPE

International Conference on Intelligent Computing and Communication Technology - ICCT-2024 jointly organized by PG and Research Department of Computer Science and ICT Academy, Chennai. This conference initiated with an objective to provide a platform for academicians, researchers, scholars and students from various institutions, universities and industries in India and abroad, to exchange their research and innovative ideas in the field of Cloud, Communication and Internet of Things.

The International Conference on Intelligent Computing and Communication Technology -ICCT-2024 will provide you with an excellent opportunity to present your latest research issues in various discipline of Science and Technology. It will provide invaluable opportunity for academia, scientists, and industry professionals to interact with each other and disseminate the ideas. This platform provides the authors to share their original research work and also to give an exposure to the emerging technologies in Data science.

The International conference on Intelligent Computing and Communication Technology is essential for advancing knowledge, fostering innovation, and shaping the future of these critical fields.

The theme of ICCT-2024 conference series focuses on domain of intelligent computing theories and applications to various disciplines like Data science and soft computing, Image analysis and processing, Modern information theory and technology, Robot and intelligent system, Life Science, Environmental ethics, some other day to day topics etc.







#### WELCOMING AND INVOCATION

International Conference on Intelligent Computing and Communication Technology - ICCT-2024 started with Prayer Song followed by the lighting of kuthuvizakhu by the dignitaries on stage. **Dr. I. Rajeshwari,** Associate Professor and Head, PG and Research Department of Computer Science welcomed the gathering. The ICCT'24 organizing secretary, **Dr.A.Subramani,** Assistant Professor, PG and Research Department of Computer Science highlighted the conference theme.

The electronic proceeding (e-proceeding) in CD Format, e-souvenir and printed conference proceeding with ISBN number 978-93-341-2851-2 of the International Conference on Intelligent Computing and Communication Technology - ICCT-2024 was released by our dynamic Principal (i/c), Dr.(Mrs.) K. Naganandhini and accepted by our dignitaries on dais.

**Dr. (Mrs.) K .Naganandhini,** Principa(i/c),M.V.Muthiah Government Arts College for Women, delivered the Presidential Address. **Dr. R. PushpaLakshmi**, Professor & Head, Department of Computer Science and Engineering ( Cyber Security), P.S.N.A. College of Engineering and Technology, Dindigul gave an insightful and thought-provoking inaugural address on research areas.

Mr. S. Muralirajan, Senior Relationship Manager,, ICT Academy, Chennai gave the felicitation by emphasing the role of industry collaborations and keeping pace with technological advancements in all domains. Dr. C. P. Thamil Selvi, Associate Professor Department of Artificial Intelligence & Data Science, Rathinam Technical Campus, Coimbatore gave the felicitation highlighting the importance of artificial intelligence and data science.

**Dr.S.Rajathi,** Assistant Professor, PG and Research Department of Computer Science delivered the concluding remarks of the invocation session of ICCT'24.







#### VIRTUAL KEYNDTE SESSIONS SESSION-I

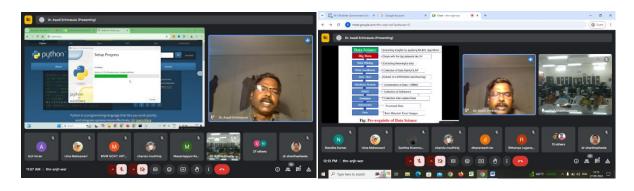
**Topic**: Data Science and emerging Technologies

Speaker : Dr. Asadi Srinivasulu, Visiting Professor (crcCARE) Cooperative Research

Centre for Contamination Assessment and Remediation of the Engineering, Science and Environment, The University of Newcastle,

Australia.

Abstract: The keynote speech is devoted to the stated problem from the point of view of practical experience and research in Data Science & emerging technologies. A theoretical insight to the application of the data science through python coding was being discussed. Data science aims at collecting, processing, analyzing, and presenting this data in a visual format to help companies or organizations in making crucial business decisions. The following topics have been covered: The python installation, natural language processing through python code, API used for applications were discussed in detail along with appropriate demonstration. He also emphasized the importance of YouTube created for nearly 250 topics that are available for students benefits. Video call link: https://meet.google.com/thn-snjt-wsr



#### SESSION-II

**Topic** : lot Opportunities

Speaker: Dr. Rajasekaran SelvarajuProfessor, Department of Information

TechnologyCollege of Computing and Information Sciences, University of

Technology and Applied Sciences, Ibri, Sultanate of Oman.

**Abstract**: Internet of Things (lot) is a widely used in application in the field of agriculture and various domains.. Various algorithms applied on the real time dataset were discussed. The lot devices and its importance were clearly demostrated. Organizations are becoming digitalized by incorporating ICT technologies such as cloud, edge computing, IoT, and big data, the risk of cyber-attacks escalates. Big data and AI have combined to produce an array of opportunities for advanced IoT data analytics solutions. It is a part of an IoT framework used to remotely monitor and manage everything from lighting, electricity,

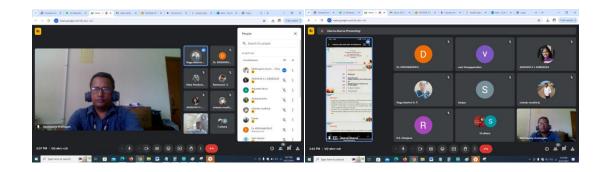
traffic signals and congestion, parking areas, road warnings, and the early detection of power influxes. Remote monitoring of farm conditions with sensors and drones, saving time and labor on routine checks. Making improved decisions regarding production with real-time insights and data analytics. Video call link: <a href="https://meet.google.com/wbg-kqft-wzg">https://meet.google.com/wbg-kqft-wzg</a>



#### CONCURRENT TECHNICAL SESSIONS - HYBRID MODE

The response of this ICCT-2024 is tremendous and received more than **70+ research papers** in national and international level were presented by authors in three technical sessions in offline mode that were held at PG Lab and UG Lab. As the conference being conducted in hybrid mode, one virtual session was arranged for the authors presented from other state and country. All accepted papers had been presented in this session.

PANEL	TECHNICAL SESSIONS	SESSION CHAIRPERSON	PRESENTATION MODE
I	Intelligent Computing	Dr. C.P. Thamil Selvi, Associate Professor, Department of Artificial Intelligence & Data Science, Rathinam Technical Campus, Coimbatore	Offline
II	Communication Technology	Dr. R. PushpaLakshmi, Professor & Head, Department of Computer Science and Engineering ( Cyber Security), P.S.N.A. College of Engineering and Technology, Dindigul	Offline
III	Emerging Technologies	Dr. C.P. Thamil Selvi, Associate Professor ,Department of Artificial Intelligence & Data Science,Rathinam Technical Campus,Coimbatore	Offline
IV	Computing Communication	Dr.A. Muthusamy, Assistant Professor, Department of Computer Technology, Kongu Engineering College, Perundurai, Erode Morning Session: Time: 12.00 Noon – 1.00 PM Google Meet, click this link: <a href="https://meet.google.com/kmg-npnc-xpu">https://meet.google.com/kmg-npnc-xpu</a> Afternoon Session: Time: 3.00 pm to 4.00 pm. Google Meet, click this link: <a href="https://meet.google.com/bfj-akrc-cdr">https://meet.google.com/bfj-akrc-cdr</a>	Online



Best Paper was selected in each technical session by the session chair and being awarded to the selected authors. All selected papers will published in the form of conference proceedings as soft copy and also hard copy with ISBN Number. After peer reviewed the selected papers, it will be published in Scopus and UGC Care List series in ICT Academy Journals in Intelligent Computing related Journals. The best paper selected by the panel will be awarded at the end of the Conference. This conference provides a platform that will benefit the research community in large.





#### VALIDICTORY

International Conference on Intelligent Computing and Communication Technology - ICCT-2024

is now drawing to a close. Authors gave the feedback about the conference that the conference has been fruitful and trough a wide range of keynote speeches provide a new ways to deal with some of the challenges in aapplication of recent research domains in data science, IoT, artificial intelligent. The technical session chair **Dr.C.P.Thamil Selvi**, Associate Professor, Department of Artificial Intelligence & Data Science, Rathinam Technical Campus, Coimbatore gave the overall feedback and about technical session.

The **best paper** of four technical sessions was announced by ICCT'24 Convenor, **Dr.I.Rajeshwari** and being awarded by the chief guests. Certificates was distributed to all paper presenter and the participants of ICCT'24. **Prof. Ms. P. Muthamil Selvi**, Assistant

Professor, PG and Research Department of Computer Science delivered the overall concluding remarks of ICCT'24. This international conference on intelligent computing and communication technology (ICCT 2024) was successfully ended with National Anthem.



S. No.	Paper ID	Author(s) Name	Title of the Papers	Page No.
1	ICCT24-012	Dr. Naganandinisujatha S Praveena P	Survey on Deep Learning Approaches, Datasets, Architectures, Evaluation Measures for Automated Detection and Grading Systems of Diabetic Retinopathy	86 - 92
2	ICCT24-039	Santhiya K Dr. Murugan D	An Ensemble Learning Model for Renal Disease Classification using LIME and DEEP SHAP: A Hard Computing Approach.	229 - 236
3	ICCT24-043	Sheeba Sugantharani E Dr. Subramani A	Intensified Hierarchical Leukemia Classification: Optmised Extrinsic Attention Based ResNet-50 and Long Short-Term Memory System	265 - 272
4	ICCT24-072	Ms. Archana M S Dr. Anandakrishnan N	A Novel Hybrid Algorithm for Effective Task Offloading in Mobile Edge Computing: Genetic Meets Grey Wolf Optimization	425 - 425





Organizing Secretary and Committee Members ICCT 2024

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The respondent's email (**dharsini.kannan@gmail.com**) was recorded on submission of this form.

The respondents email (diarsini.kaman@gmail.com) was recorded on submission of this form.	
Email * dharsini.kannan@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Mrs. K. Priyadharsini	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research Scholar	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Mother Teresa Womens University, Kodaikanal	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Dindigul, TamilNadu	

5. I certify that the particulars furnished above by me are true to the best of my knowledge *  Yes				
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\circ$	$\circ$	0
Fluent in language	•	$\circ$	$\circ$	0
Effective delivery of contents		0		0
7. Administration of tl	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	$\circ$	0
Online Conduct of the Conference	0		0	0
Interaction	•	0	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions
Thank you for your cooperation and participation in this webinar.

Jointly Organized by PG and Research Department of Computer Science, M V Muthiah Govt. Arts College for Women, Dindigul, and ICT Academy, Chennai, Tamil Nadu.

The respondent's email (drspgayathri@gmail.com) was recorded on submission of this form.

Email * drspgayathri@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Dr.S.P.Gayathri	0 points
Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *      Assistant professor	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Government Arts College for Women Nilalottai	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamil Nadu	

5. I certify that the particulars furnished above by me are true to the best of my knowledge *						
✓ Yes						
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *			
	Strongly Agree	Agree	Neutral	Disagree		
Knowledgeable		$\circ$	0	0		
Fluent in language	•	$\circ$	$\circ$	$\circ$		
Effective delivery of contents		0	0	0		
7. Administration of the	ne Conference *					
	Excellent	Very Good	Good	Fair		
Communication	•	$\circ$	$\circ$	$\circ$		
Online Conduct of the Conference		$\circ$	0	0		
Interaction		$\circ$	$\circ$	$\circ$		

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Good
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9. Any Suggestions
Thank you for your cooperation and participation in this webinar.

Jointly Organized by PG and Research Department of Computer Science, M V Muthiah Govt. Arts College for Women, Dindigul, and ICT Academy, Chennai, Tamil Nadu.

The respondent's email (achuma.520@gmail.com) was recorded on submission of this form.

Email * achuma.520@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Archana A R	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  PG Student	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  M. V. Muthiah Government Arts College for Women	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu	

<ul><li>I certify that the pa</li><li>Yes</li></ul>	rticulars turnished a	ibove by me are tru	e to the best of my	/ Knowledge *	
6. Resource Person - Invite Talk Session I : Dr. Asadi Srinivasulu *					
	Strongly Agree	Agree	Neutral	Disagree	
Knowledgeable	•	0	$\bigcirc$	0	
Fluent in language	•	0	0	0	
Effective delivery of contents				0	
. Administration of th	ne Conference *				
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Communication	•	$\circ$	$\circ$	0	
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Interaction	•	$\circ$	$\circ$	0	

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions
Thank you for your cooperation and participation in this webinar.

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The respondent's email (swetha2003ga@gmail.com) was recorded on submission of this form.

Email * swetha2003ga@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  G.SWETHA	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  PG Student	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  M.V.Muthiah Government arts college for women	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) * Tamilnadu	

5. I certify that the particulars furnished above by me are true to the best of my knowledge *				
✓ Yes				
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable		$\circ$	0	$\circ$
Fluent in language	•	$\circ$	$\circ$	$\bigcirc$
Effective delivery of contents		0	0	0
7. Administration of the	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication		$\circ$	$\circ$	$\bigcirc$
Online Conduct of the Conference		$\circ$	0	
Interaction		0	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions  No suggestion
Thank you for your cooperation and participation in this webinar.

Jointly Organized by PG and Research Department of Computer Science, M V Muthiah Govt. Arts College for Women, Dindigul, and ICT Academy, Chennai, Tamil Nadu.

The respondent's email (cmudhiraj67@gmail.com) was recorded on submission of this form.

Email * cmudhiraj67@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  NUKAM CHANDU	0 points
Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  PG Student	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  CENTRAL UNIVERSITY OF TAMIL NADU, THIRUVARUR	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) * Tamilnadu, India	

5. I certify that the particulars furnished above by me are true to the best of my knowledge *  Ves					
6. Resource Person - Invite Talk Session I : Dr. Asadi Srinivasulu *					
	Strongly Agree	Agree	Neutral	Disagree	
Knowledgeable	$\circ$	•	$\bigcirc$	0	
Fluent in language	•	0	0	0	
Effective delivery of contents	0		0	0	
7. Administration of th	ne Conference *				
	Excellent	Very Good	Good	Fair	
Communication	$\circ$	•	$\circ$	0	
Online Conduct of the Conference	$\circ$	•	$\circ$	0	
Interaction	•	0	0	0	

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
C Fair

#### 9. Any Suggestions

GOOD MORNING SIR / MAM IF YOU GIVE ME SOME TIME I CAN COMPLETE MY PPT PRESENTATION .AT LEAST I AM NOT PRESENTED UPTO RESULT IN IMPLEMENTATION ONLY THEY STOP ME . I THOUGHT LIKE IF THEY GIVE ME SOME TIME I CAN PRESENT MY PAPER COMPLETELY. OVERALL THANKS SIR / MAM FOR CONDUCTING SUCH TYPE OF CONFERENCE. THANK YOU ALL .

Thank you for your cooperation and participation in this webinar.



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The respondent's email (klavan34@gmail.com) was recorded on submission of this form.

Email * klavan34@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Dr T.Lavanya	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Assistant Professor	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Government Arts. Cillege for Women	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamil Nadu India	

5. I certify that the particulars furnished above by me are true to the best of my knowledge *  Yes					
6. Resource Person - Invite Talk Session I : Dr. Asadi Srinivasulu *					
	Strongly Agree	Agree	Neutral	Disagree	
Knowledgeable	•	$\circ$	$\circ$	$\circ$	
Fluent in language	•	$\circ$	0	$\circ$	
Effective delivery of contents					
7. Administration of the	ne Conference *				
	Excellent	Very Good	Good	Fair	
Communication	<b>©</b>	$\circ$	$\circ$	$\bigcirc$	
Online Conduct of the Conference	•	$\bigcirc$	0	$\bigcirc$	
Interaction	•	0	0	0	

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions  Conduct many conferences
Thank you for your cooperation and participation in this webinar.

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The respondent's email (pj.lakshmi24@gmail.com) was recorded on submission of this form.

Email * pj.lakshmi24@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  P. JAYALAKSHMI	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Guest Lecturer	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Government College for women(A), Kumbakonam	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) * Tamilnadu	

5. I certify that the particulars furnished above by me are true to the best of my knowledge *				
✓ Yes				
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\circ$	0	0
Fluent in language	•	$\circ$	$\circ$	$\circ$
Effective delivery of contents		0	0	0
7. Administration of the	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	0	$\circ$
Online Conduct of the Conference	•	$\circ$	0	0
Interaction	•	0	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions Informative session
Thank you for your cooperation and participation in this webinar.

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The respondent's email (lakshmi.gomathi7@gmail.com) was recorded on submission of this form.

The respondent's email (laksimi.gomatii/@gmail.com) was recorded on submission of this form.	
Email *  lakshmi.gomathi7@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  G. GOMATHI	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Guest Lecturer	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Govt. College for Women(A), Kumbakonam	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu	

5. I certify that the pa	rticulars furnished a	ibove by me are tru	e to the best of my	/ knowledge *
6. Resource Person -	Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\circ$	$\circ$	0
Fluent in language	•	0	0	0
Effective delivery of contents				0
7. Administration of th	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	$\circ$	0
Online Conduct of the Conference	•	$\bigcirc$	$\bigcirc$	0
Interaction	•	$\bigcirc$	$\circ$	0

8. Your overall impression of the ICCT-2024 (Hybrid) *	
Excellent	
○ Very Good	
Good	
○ Fair	

#### 9. Any Suggestions

Very useful to me for my research. Thank you for giving this opportunity.

Thank you for your cooperation and participation in this webinar.



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The respondent's email (mp.rekha1471986@gmail.com) was recorded on submission of this form.

Email * mp.rekha1471986@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Mrs. M. P. Rekha	0 points
Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research scholar	0 points
Name of the Institution & Place (Maximum 60 Characters) *      Madurai kamaraj university	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu	

5. I certify that the pa  Yes	rticulars furnished a	bove by me are tru	e to the best of my	/ knowledge *
6. Resource Person -	· Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	$\circ$	$\circ$	•	0
Fluent in language	0	•	0	0
Effective delivery of contents				0
7. Administration of th	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	$\circ$	0
Online Conduct of the Conference	•	$\circ$	$\bigcirc$	0
Interaction	•	$\circ$	$\circ$	0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions
Thank you for your cooperation and participation in this webinar.

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The respondent's email (praveenablessy2014@gmail.com) was recorded on submission of this form.

Email * praveenablessy2014@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Mrs. P. PRAVEENA	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Assistant Professor	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Thiagarajar College, Madurai -9.	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamil Nadu	

5. I certify that the pa  Yes	rticulars furnished a	bove by me are tru	e to the best of my	knowledge *
6. Resource Person -	Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	0	0	0
Fluent in language	$\circ$	•	$\circ$	0
Effective delivery of contents				
7. Administration of th	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	$\circ$	•	$\circ$	0
Online Conduct of the Conference	$\bigcirc$		$\bigcirc$	$\circ$
Interaction	•	$\circ$	$\bigcirc$	$\bigcirc$

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions Informative sessions, very good hospitality,
Thank you for your cooperation and participation in this webinar.

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The respondent's email (svjaykumar@gmail.com) was recorded on submission of this form.

Email * svjaykumar@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Dr. S. Vijayakumar	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Assistant professor	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Npr Art's and science college	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu	

5. I certify that the pa	rticulars furnished a	lbove by me are tru	e to the best of my	v knowledge *
6. Resource Person -	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	$\circ$	$\circ$		$\circ$
Fluent in language	0	•	0	$\circ$
Effective delivery of contents				
7. Administration of th	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	$\circ$	$\circ$
Online Conduct of the Conference	•	$\circ$	$\circ$	$\circ$
Interaction	0	•	$\circ$	0

8. Your overall impression of the ICCT-2024 (Hybrid) *	
Excellent	
Very Good	
Good	
○ Fair	

#### 9. Any Suggestions

Chair Person Dr. C.P. Tamil Selvi mam during the technical session always using mobile she's not observed presentation

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The respondent's email (saranyaa24math@gmail.com) was recorded on submission of this form.

Email * saranyaa24math@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  P.SARANYAA  P.SARANYAA	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research Scholar	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Queen Mary's College(Autonomous) Chennai-04	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu India	

5. I certify that the pa  Yes	rticulars furnished a	ibove by me are tru	e to the best of my	/ knowledge *
6. Resource Person -	Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\circ$	$\circ$	0
Fluent in language	<b>O</b>	0	0	0
Effective delivery of contents				
7. Administration of th	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	$\circ$	$\circ$
Online Conduct of the Conference	•	$\circ$	$\bigcirc$	$\circ$
Interaction	0	•	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions
Thank you for your cooperation and participation in this webinar.

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The respondent's email (birundhaphd2021@gmail.com) was recorded on submission of this form.

Email * birundhaphd2021@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Mrs M BIRUNDHA RANI	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  RESEARCH SCHOLAR	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  MOTHER TERESA WOMENS UNIVERSITY KODAIKANAL	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) * TAMILNADU	

5. I certify that the pa	rticulars furnished a	bove by me are tru	e to the best of my	knowledge *
✓ Yes				
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\circ$	$\circ$	0
Fluent in language	•	$\circ$	$\circ$	$\circ$
Effective delivery of contents		0	0	0
7. Administration of the	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	0	$\circ$
Online Conduct of the Conference	•	$\circ$	$\circ$	0
Interaction	•	$\circ$	$\circ$	$\circ$

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions  Good
Thank you for your cooperation and participation in this webinar.

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The respondent's email (anusreepp@nilgiricollege.ac.in) was recorded on submission of this form.

Email * anusreepp@nilgiricollege.ac.in	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Ms.Anusree P.P	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research Scholar	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Providence College for Women, Coonoor	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu	

Yes				
. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	$\circ$		$\circ$	0
Fluent in language	0	•	0	0
Effective delivery of contents			0	0
. Administration of t	he Conference *			
	Excellent	Very Good	Good	Fair
Communication	$\circ$	•	0	0
Online Conduct of the Conference			$\circ$	0
Interaction	$\circ$		$\bigcirc$	

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions Nil
Thank you for your cooperation and participation in this webinar.

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The respondent's email (uma87auh@gmail.com) was recorded on submission of this form.

Email * uma87auh@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Mrs.K.UMA	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research Scholar	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Yadava College,Govindharajan Campus,Thirupalai	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu,India	

Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
Strongly Agree	Agree	Neutral	Disagree
$\circ$		$\circ$	0
$\circ$	•	0	0
			0
e Conference *			
Excellent	Very Good	Good	Fair
$\circ$	•	$\circ$	0
	$\circ$	$\circ$	$\circ$
$\circ$		$\bigcirc$	0
	Strongly Agree  Conference *  Excellent	Strongly Agree  Agree   Conference *  Excellent Very Good  O	e Conference *  Excellent Very Good Good  O O O O O O O O O O O O O O O O O O O

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
● Good
○ Fair
9. Any Suggestions Nice
Thank you for your cooperation and participation in this webinar.
The first of the f

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The respondent's email (azleeimran@gmail.com) was recorded on submission of this form.

Email * azleeimran@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Mrs.Fariya Azleena. A.	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research Scholar	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Queen Mary's College (Autonomous), Chennai 600004	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu	

5. I certify that the pa	rticulars furnished a	ibove by me are tru	e to the best of my	knowledge *
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\bigcirc$	$\circ$	$\bigcirc$
Fluent in language	•	0	0	0
Effective delivery of contents			0	
7. Administration of the	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\bigcirc$	$\circ$	$\bigcirc$
Online Conduct of the Conference	•	$\bigcirc$	0	$\bigcirc$
Interaction	•	$\circ$	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions  Good
Thank you for your cooperation and participation in this webinar.

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The respondent's email (archanamsresearch@gmail.com) was recorded on submission of this form.

Email * archanamsresearch@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Ms. M S ARCHANA	0 points
Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research Scholar	0 points
Name of the Institution & Place (Maximum 60 Characters) *  Providence College for Women, Coonoor	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) * Tamilnadu	

5. I certify that the pa	rticulars furnished a	bove by me are tru	e to the best of my	v knowledge *
6. Resource Person -	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\circ$	$\circ$	$\circ$
Fluent in language	0	•	0	$\circ$
Effective delivery of contents				0
7. Administration of th	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	$\circ$	$\circ$
Online Conduct of the Conference	•	$\circ$	$\circ$	$\circ$
Interaction	0	•	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *	
Excellent	
○ Very Good	
Good	
○ Fair	

#### 9. Any Suggestions

Wonderful Coordination and Congratulations to entire team

Thank you for your cooperation and participation in this webinar.



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The respondent's email (michael7jesus@gmail.com) was recorded on submission of this form.

Email * michael7jesus@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Mr.Michael Raj S	0 points
Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research Scholar	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Sri Krishna Adithya college of Arts and science coimbatore	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) * Tamilnadu	

5. I certify that the particulars furnished above by me are true to the best of my knowledge *				
✓ Yes				
6. Resource Person -	Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\circ$	$\circ$	$\circ$
Fluent in language	•	$\circ$	$\circ$	$\circ$
Effective delivery of contents	•	0	0	0
7. Administration of th	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	$\circ$	$\circ$
Online Conduct of the Conference	•	$\bigcirc$	$\bigcirc$	0
Interaction	•	$\circ$	$\circ$	$\circ$

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions No
Thank you for your cooperation and participation in this webinar.

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The respondent's email (sweetlin.prof@gmail.com) was recorded on submission of this form.

The respondent's email (sweetim.prot@gmail.com) was recorded on submission of this form.	
Email * sweetlin.prof@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  S. SWEETLIN DEVAMANOHARI	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Assistant Professor	0 points
3. Name of the Institution & Place (Maximum 60 Characters) * GTN ARTS COLLEGE (AUTONOMOUS), DINDIGUL	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu	

5. I certify that the pa	articulars furnished a	bove by me are tru	e to the best of my	/ knowledge *
Yes				
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	$\circ$	•	0	0
Fluent in language	$\circ$	$\circ$		0
Effective delivery of contents			0	0
7. Administration of t	he Conference *			
	Excellent	Very Good	Good	Fair
Communication	0	0		0
Online Conduct of the Conference	$\circ$	0		0
Interaction	0	0		0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
O Very Good
Good
○ Fair

#### 9. Any Suggestions

All the best for yet another successful conference

Thank you for your cooperation and participation in this webinar.



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The respondent's email (akshayavl20mss003@skasc.ac.in) was recorded on submission of this form.

Email *  akshayavl20mss003@skasc.ac.in	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  V L AKSHAYA	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) * PG	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Sri Krishna arts and science college, Coimbatore	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) * Tamilnadu,India	

5. I certify that the pa	rticulars furnished a	bove by me are tru	e to the best of my	knowledge *
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\bigcirc$	$\circ$	$\circ$
Fluent in language	•	$\circ$	$\circ$	0
Effective delivery of contents	•	0	0	0
7. Administration of tl	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	<b>©</b>	$\circ$	$\circ$	$\circ$
Online Conduct of the Conference	•	$\circ$	$\circ$	$\circ$
Interaction	•	0	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions  Good
Thank you for your cooperation and participation in this webinar.

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The respondent's email (salethamal677@gmail.com) was recorded on submission of this form.

Email * salethamal677@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  I.SALETH MARY  I.SALETH MARY	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research Scholar	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Mother Teresa Women's University, kodaikanal	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu & India	

5. I certify that the pa	rticulars furnished a	ibove by me are tru	e to the best of my	/ knowledge *
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	$\circ$	•	$\circ$	$\circ$
Fluent in language	0	•	0	0
Effective delivery of contents	0		0	0
7. Administration of the	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	0	0
Online Conduct of the Conference	•	$\circ$	$\bigcirc$	0
Interaction	0	•	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions
Thank you for your cooperation and participation in this webinar.

Jointly Organized by PG and Research Department of Computer Science, M V Muthiah Govt. Arts College for Women, Dindigul, and ICT Academy, Chennai, Tamil Nadu.

The respondent's email (santhiya001kumar@gmail.com) was recorded on submission of this form.

Email * santhiya001kumar@gmail.com	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  K.SANTHIYA	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research Scholar	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Manomaniam Sundaranar University	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu, Infia	

5. I certify that the pa	rticulars furnished a	bove by me are tru	e to the best of my	knowledge *
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\circ$	$\circ$	0
Fluent in language	•	$\bigcirc$	$\circ$	0
Effective delivery of contents				0
7. Administration of tl	ne Conference *			
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	$\circ$	0
Online Conduct of the Conference	•	0	0	0
Interaction	•	0	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions
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# International Conference ICCT-2024 Feedback Form

Jointly Organized by PG and Research Department of Computer Science, M V Muthiah Govt. Arts College for Women, Dindigul, and ICT Academy, Chennai, Tamil Nadu.

The respondent's email (maheshwari.d@kprcas.ac.in) was recorded on submission of this form.

Email * maheshwari.d@kprcas.ac.in	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  DR.D.MAHESHWARI  Output  DR.D.MAHESHWARI	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Associate Professor and Head	0 points
Name of the Institution & Place (Maximum 60 Characters) *  KPR College of Arts Science and Research, Coimbatore	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) * Tamilnadu	

5. I certify that the particulars furnished above by me are true to the best of my knowledge *				
Yes				
6. Resource Person	- Invite Talk Session	I : Dr. Asadi Sriniva	asulu *	
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable		$\circ$	$\circ$	0
Fluent in language	•	$\circ$	$\circ$	$\circ$
Effective delivery of contents		0	0	0
7. Administration of the Conference *				
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	$\circ$	$\circ$
Online Conduct of the Conference		$\circ$	$\circ$	0
Interaction		0	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *
Excellent
Very Good
Good
○ Fair
9. Any Suggestions  Excellent
Thank you for your cooperation and participation in this webinar.

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# International Conference ICCT-2024 Feedback Form

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The respondent's email (sheebasugantharani@ldc.edu.in) was recorded on submission of this form.

Email * sheebasugantharani@ldc.edu.in	
1. Name with Salutation and initial (e.g. Dr.S. KRITHICK) *  Ms	0 points
2. Designation (eg. UG Student ; PG Student ; Research Scholar ; Assistant Professor) *  Research Scholar	0 points
3. Name of the Institution & Place (Maximum 60 Characters) *  Mother teresa womens university	0 points
4. State (eg. Tamilnadu, Kerala, Uttarpradesh) & Country (eg. India, Ethiopia) *  Tamilnadu	

5. I certify that the particulars furnished above by me are true to the best of my knowledge *  Yes				
6. Resource Person - Invite Talk Session I : Dr. Asadi Srinivasulu *				
	Strongly Agree	Agree	Neutral	Disagree
Knowledgeable	•	$\circ$	$\circ$	0
Fluent in language	•	$\circ$	$\circ$	0
Effective delivery of contents		0	0	0
7. Administration of the Conference *				
	Excellent	Very Good	Good	Fair
Communication	•	$\circ$	$\circ$	0
Online Conduct of the Conference	•	0	0	0
Interaction	•	$\circ$	0	0

8. Your overall impression of the ICCT-2024 (Hybrid) *	
Excellent	
O Very Good	
Good	
○ Fair	

#### 9. Any Suggestions

Overall the conference was well meticulously Planned, organized, ad conducted. Thanks for the organizing team.

Thank you for your cooperation and participation in this webinar.



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### M.V.Muthiah Government Arts College for Women



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Jointly Organized by

ICT Academy, Chennai

PG-&-Research Department of Computer Science



**ICCT-2024** 

Venue:

Kamaraj Arangam

### **International Conference on** "INTELLIGENT COMPUTING & COMMUNICATION TECHNOLOGY"

Date: 27.09.2024 Friday Time: 10.30 a.m.

### INAUGURAL FUNCTION



Dr. ASADI SRINIVASULU
Visiting Projessor (creCARE)
Cooperative Research Centre for Cooperative Research Centre for Contamination Assessment and Remediation of the Environment College of Engineering, Science & Environment, The University of Newcastle Callaghan NSW 2308, Australia.



College of Computing and Information Sciences, University of Technology and Applied Sciences, Ibri, Al Dhahira, Sultanate of Oman.



Relationship Manager ICT Academy,



Professor & Head ment of Computer Science (Cyber Security) P.S.N.A.College of Engineering and Technology Dindigul.

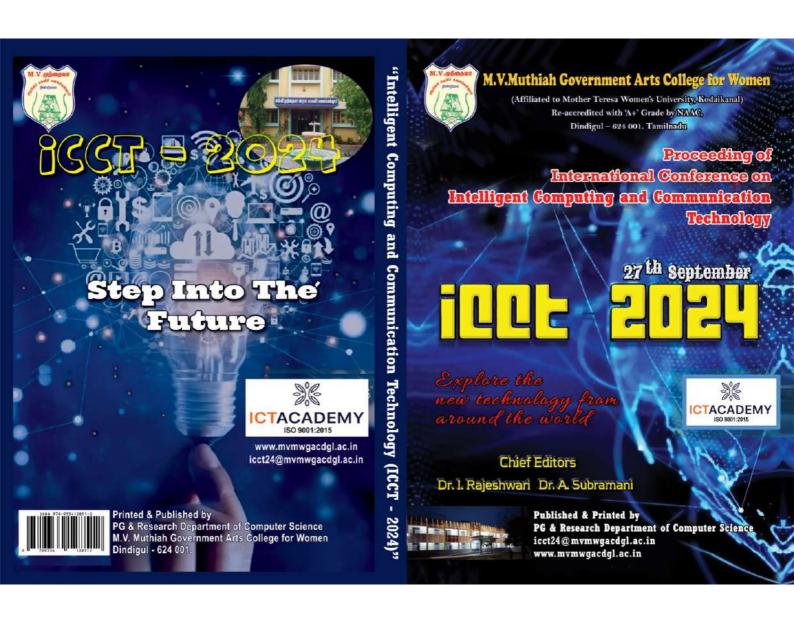


SELVARAJU Mr. S:MURALIRAJAN Dr. R. PUSHPALAKSHMI Dr. C.P. THAMIL SELVI Associate Professor
Department of Artificial Intelligence Rathinam Technical Campus. Coimbatore



Department of Computer Technology Kongu Engineering College Perundurai,







M.V.Muthiah
Government Arts College
for Women, Dindigul
& ICT Academy
Chennai



# COMMUNICATION

Communication technology is any tool people use to create, transmit, store, and share information. Throughout history, people have used various methods for sending messages over long distances. For example, before the advancement of technology, humans used drums and smoke signals to communicate



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jointly organized by PG & Research Department of Computer Science and ICT Academy held on September 27, 2024.

J. Disposers **Organizing Secretary** Dr. A.Subramani

Mr. S.Muralirajan

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Dr. I.Rajeshwari

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	written b	y author (s)	
	nce on <b>"Intelligent Computi</b> Research Department of Compute		
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# PG & Research Department of Computer Science M.V.Muthiah Government Arts College for Women, Dindigul.



& ICT Academy, Chennai

International Virtual Conference on

Intelligent Computing and Communication Technology

### **BEST PAPER AWARD**

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In recognition of their paper

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#### APPRECIATION CERTIFICATE

### Organising committee is pleased to present this

#### Dr. R. PUSHPALAKSHMI

**Chief Guest and Session Chair** 

for participating and contributing to the success of the International Conference on Intelligent Computing and Communication Technology - (IECT-2024) jointly organized by PG and Research Department of Computer Science and ICT Academy. Chennai held at M.V. Muthiah Government Arts College for Women, Dindigul on 27th September 2024.

J. girl Dosens

Dr. A.Subramani

Mr. S.Muralirajan

Dr. I.Rajeshwari



M.V.Muthiah Government Arts College for Women, Dindigul.

PG & Research Department of Computer Science



& ICT Academy, Chennai

International Virtual Conference on

Intelligent Computing and Communication Technology



#### **CERTIFICATE OF REVIEWING**

This is to recognise the contribution of

Dr. S. P. SHANTHARAJAH

as REVIEWER for International Conference on INTELLIGENT COMPUTING AND COMMUNICATION TECHNOLOGY (ICCT-2024) jointly organized by PG & Research Department of Computer Science, M.V. Muthiah Government Arts College for Women, Dindigul and ICT Academy, Chennai held on 27<sup>th</sup> September 2024.

Organizing Secretary
Dr. A.Subramani

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Dr. I.Rajeshwari