KCG
COLLEGE OF TECHNOLOGY
Affiliated to Anna University
AUTONOMOUS

FACULTY BOOK CHAPTER PUBLICATIONS 2024-25

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
1	Dr. S. Muthuselvan	Machine Learning for the Detection of Uniform Resource Locator Phishing	IGI Global	June 2024	10.4018/979-8-3693-7842-7.ch003	Scopus
2	R.Adline Freeda	Role of ChatGPT in smart cities	Book Chapter	June 2024	10.4018/979-8-3693-6824-4.ch010	Scopus
3	Dr Anju A	Security Concerns With ChatGPT and Other AI Tools	IGI Global	May 2025	Security Concerns With ChatGPT and Other AI Tools: Computer Science & IT Book Chapter | IGI Global Scientific Publishing	Scopus
4	Adline R Freeda, R A Anju	Scalability issues in AI computing in large-scale networks	IGI Global	May 2025	Scalability Issues in AI Computing in Large-Scale Networks: Media & Communications Book Chapter | IGI Global Scientific Publishing	Scopus
5	Adline R Freeda, R A Anju	Integrating AI-Driven Technologies Into Service Marketing	IGI Global	MAy 2024	https://www.igi-global.com/chapter/integrating-ai-driven-technologies-into-service-marketing/356001	Scopus
6	Dr Anju A	Blockchain and Digital Twin Applications in Precision Agriculture: A Comprehensive Approach	Book Chapter -Auerbach Publications	2025/4/17		Scopus
8	Ms.Krithikaa Venket	AI for Large-Scale Communication Networks	IGI Global	Oct 2024	DOI: 10.4018/979-8-3693-6552-6.ch002	Scopus

KCG
COLLEGE OF TECHNOLOGY
Affiliated to Anna University
AUTONOMOUS

FACULTY BOOK CHAPTER PUBLICATIONS 2025-26

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
1	Dr.R.Adline Freeda	Gaming and Virtual Environments: Changing Technological Developments	Book Chapter	20 June 2025	https://doi.org/10.1007/978-3-031-91660-1_5	**Scopus**
2		Top AI-Powered Tools for Software Test Automation	Book Chapter	June 2025	10.4018/979-8-3693-9356-7	**Scopus**
3		Reinforcement Learning in Generative AI: State-of-the-Art Performance	Book Chapter	June 2025	10.1007/978-3-031-91660-1_4	**Scopus**
4		**Smart IoT for Precision Agriculture and Sustainable Crop Management**	Book Chapter	June 2025	10.1201/ 9781003539629	**Scopus**
5		**Machine Learning Techniques in Diabetic Foot Ulcer (DFU) Care: An Efficient Assessment**	Book Chapter	2025	https://doi.org/10.52305/KNDO5005?	**Scopus**
6		**Mobile Health Solutions and Telemedicine Platforms**	Book Chapter	2025	DOI: 10.1201/9781003530879-12	**Scopus**
7		**AI and ML-based decision models and their effective utilisation across interdisciplinary applications**	Book Chapter	2025	DOI: 10.1201/9781003621102-4	**Scopus**
8		**Reinforcement Learning in Generative AI**	Book Chapter	2025	10.1002/9781394302932.ch3	**ScopuScopuss**
9		**Scalability Issues in AI Computing in Large-Scale Networks**	Book Chapter	2025	10.4018/979-8-3693-6552-6.ch0018	**ScopuScopuss**

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
10		**Analysis of AI for Optimization of Smart Grids**	Book Chapter	2025	10.1201/9781003500391-17 Copy to clipboard	**ScopuScopus**
11	Dr Anju A	Security Concerns With ChatGPT and Other AI Tools	Real-Time Data Decisions With AI and ChatGPT Techniques	2025	Security Concerns With ChatGPT and Other AI Tools: Computer Science & IT Book Chapter | IGI Global Scientific Publishing	Scopus
12	Dr Anju A	Personalized Treatment and Patient Care Using AI	AI for Large Scale Communication Networks	2025	Personalized Treatment and Patient Care Using AI: Media & Communications Book Chapter | IGI Global Scientific Publishing	Scopus

KCG
COLLEGE OF TECHNOLOGY
Affiliated to Anna University
AUTONOMOUS

FACULTY BOOK CHAPTER PUBLICATIONS 2026-27

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
1	R.Adline Freeda	Generative adversarial networks: An outreach approach	Book Chapter	2026	ISBN: 9783111355221	Scopus
2	R.Adline Freeda	The Internet of Things in the Defence Industry: Challenges and Solutions for Military Security	Book Chapter	2026	https://doi.org/10.1108/978-1-83549-198-020261001	Scopus
3	R.Adline Freeda	AI for Smart Grids for a Sustainable Future	Book Chapter	2026	https://doi.org/10.1007/978-3-031-89420-6_6	Springer
4	Dr. S. Muthuselvan Dr. Babymol Kurian Mr. R. Rajasekaran	Unified Web App Prescreening Tool for Cancer Prediction Using Convolutional Neural Networks	Book Chapter	2026	DOI: 10.1201/9781042005376-79	Taylor & Francis & Scopus
5	R.Adline Freeda	Real-Time Crop Management with IoT Sensors and Geospatial Technologies	Book Chapter	2026	https://doi.org/10.1002/9781394346639.ch5Digital Object Identifier (DOI)	Wiley
6	R.Adline Freeda	AI in Customer Engagement and Personalization	Book Chapter	2026	https://doi.org/10.1002/9781394339433.ch12Digital Object Identifier (DOI)	Wiley
7	A.Nandhini	Self-Supervised Multi-Scale Transformers for Fine-Grained Classification of Optical Remote Sensing Ssmst - Self-Supervised Multi-Scale Transformer	Book Chapter	October, 2026	ISBN 978-66-850-0055-9	Eliva Press

KCG
COLLEGE OF TECHNOLOGY
Affiliated to Anna University
AUTONOMOUS

FACULTY CONFERENCE PUBLICATIONS 2024-25

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
1	Dr. S. Mutuselvan	Human Detection System	Proceedings of International Conference on Sustainable Computing and Integrated Communication in Changing Landscape of AI, ICSCAI 2024	July-2024	10.1109/ICSCAI61790.2024.10867111	Scopus
2	Dr. S. Mutuselvan	Authentication of a System Using Audio File	2025 International Conference on Data Science and Business Systems (ICDSBS)	Apr-2025	10.1109/ICDSBS63635.2025.11031913	Scopus
3	Mrs. Beema Mehraj	Farming Assistance and Resource Multilingual Website with Integrated Speech Experience	2025 International Conference on Data Science and Business Systems, ICDSBS 2025	Jun-2025	ISBN:979-8-3315-8561-7	Scopus
4	Dr.Babymol Kurian	Cognitive Rehabilitation - Game Therapy	International Advances in Computing, Communication and Applied Informatics (ACCAI)	July -24	10.1109/ACCAI61061.2024.10601764	Scopus
5	Dr.Babymol Kurian	GovInfohub: A Dynamic Government scheme Chatbot for informed Engagement and Accessibility	International Advances in Computing, Communication and Applied Informatics (ACCAI)	July -24	10.1109/ACCAI61061.2024.10601913	Scopus
6	Dr.Babymol Kurian	Medico Bot: AI based Telemedicine System with Disease Diagnosis and Expert Recommendation System with Blockchain Implementation	2024 Second International Conference on Inventive Computing and Informatics (ICICI)	Sep - 24	10.1109/ICICI62254.2024.00041	**Scopus**
7	Narendran.M	Convolutional Neural Network for Automatic Classification and Segmentation of Medical Images	3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	13 Jan 2025	http://dx.doi.org/10.2139/ssrn.5088938	Scopus

8	Krithikaa Venket	A review of automatic speaker verification systems with feature extractions and spoofing attacks	5th International Conference on Electronics and Sustainable Communication Systems (ICESC)	August - 2024	10.1109/ICESC60852.2024.10690005	Scopus
9	Dr Anju A	An Ensemble Method for Insider Threat Detection based On User Activities Analysis Using Bi-LSTM and GA Optimization	3rd International Conference on Advancement in Smart Computing and Information Security 2024	October 2024	An Ensemble Method for Insider Threat Detection Based on User Activities Analysis Using Bi-LSTM and GA Optimization | SpringerLink	Springer
10	Dr Anju A	Comprehensive Mobile Solution for Personalized Healthcare Services using Enhanced AI	2025 International Conference on Data Science and Business Systems (ICDSBS)	2025/4/17	ieeexplore.ieee.org/abstract/document/11031900/	Scopus
11	Narendran.M	Innovations in Renal Health: A Thorough Exploration of Kidney Disease Prediction	International Conference on Web Intelligence and Human- Machine Interaction (ICWIHI 2025)	8-9 April 2025	https://doi.org/10.1007/978-981-96-8563-9_30	Springer
12	Krithikaa Venket V S	Travel Sphere, AI powered All in one travel solution for seamless journey	2nd International conference on Data science and Business Systems (ICDSBS '25)	17 April 2025	https://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=Travel%20Sphere,%20AI%20powered%20All%20in%20one%20travel%20solution%20for%20seamless%20journey	Scopus
13	Krithikaa Venket V S	Empowering Diaster management with AI driven Debris management and prioritization	2nd International conference on Data science and Business Systems (ICDSBS '25)	17 April 2025	10.1109/ICDSBS63635.2025.11032067	Scopus

KCG
COLLEGE OF TECHNOLOGY
Affiliated to Anna University
AUTONOMOUS

FACULTY CONFERENCE PUBLICATIONS 2025-26

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
1	Dr.Babymol Kurian	AI – Driven Mobile Platform for Student Career Planning Integrating Real Time Market	6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)	July - 25	https://doi.org/10.1109/ICICV64824.2025.11085717	Scopus
2	Dr.Babymol Kurian	Intelligent Financial Assistant: Chatbot-Based Mutual Fund Advisory System	2025 6th International Conference on Data Intelligence and Cognitive Informatics (ICDICI)	July - 25	10.1109/ICDICI66477.2025.11135013	Scopus
3	Dr.R.Adline Freeda	AVATASIGN: Enhancing Sign Language Communication with AI powered User Customized Avatars.	International Conference on Self SustainableArtificial Intelligence Systems (ICSSAS), Erode, India	July 2025	10.1109/ICSSAS66150.2025.11081232	Scopus
		Geo-Location based Attendance Tracking and Face Recognition System using ResNet Algorithm	2025 3rd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)	July 2025	10.1109/ICSSAS66150.2025.11080972	Scopus
		Advanced Sentiment Analysis Using Hybrid-Ensemble Deep Learning Techniques	2025 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation, IATMSI 2025	2025	DOI: 10.1109/IATMSI64286.2025.10985143	Scopus
		A Study on Recognizing and Analyzing Aerobics Movements by AI based Video Feature Extraction	2025 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation, IATMSI 2025	2025	10.1109/IATMSI64286.2025.10985569	Scopus
4	Mrs. Sathya A	Improved Segmentation and Classification of Apple Diseases using an Optimized CNN Model	2025 3rd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)	June-2025	1109/ICSSAS66150.2025.11080938	Scopus

5	Mrs. Sathya A	Health Sync: An Integrated Healthcare Management Platform	2025 6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)	July-2025	https://doi.org/10.1109/ICICV64824.2025.11085743	Scopus
6	Dr Anju A	Voice Veritas: Fake Voice Detection Using Deep Learning	4th International Conference on Advancements in Smart Computing and Information Security (ASCIS) 2025	September 11th to 13th, 2025.	Yet to publish	Springer
7	Dr Anju A	Comprehensive Mobile Solution for Personalized Healthcare Services using Enhanced AI	2025 International Conference on Data Science and Business Systems (ICDSBS)	June 2025	Comprehensive Mobile Solution for Personalized Healthcare Services using Enhanced AI | IEEE Conference Publication | IEEE Xplore	Scopus
8	Beema Mehraj M	AI & ML Driven Health Assistant for Disease Prediction and Management	2025 3rd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)	Ju;y 2025	10.1109/ICSSAS66150.2025.11081225	Scopus
9	Beema Mehraj M	Farming Assistance and Resource Multilingual Website with Integrated Speech Experience	2025 International Conference on Data Science and Business Systems (ICDSBS)	June 2025	10.1109/ICDSBS63635.2025.11031703	Scopus
10	Rajasekaran R	Emergency Vehicle Detection Using Deep Learning Algorithm	2025 6th International Conference on Data Intelligence and Cognitive Informatics (ICDICI)	Ju;y 2025	10.1109/ICDICI66477.2025.11134910	Scopus
11	Krithikaa Venket V S	Travel Sphere : AI-Powered, All-in-One Travel Solution for Seamless Journeys	2025 International Conference on Data Science and Business Systems (ICDSBS)	June 2025	10.1109/ICDSBS63635.2025.11031920	Scopus
12	Krithikaa Venket V S	Empowering Disaster Management with AI-Driven Debris Detection and	2025 International Conference on Data Science and Business Systems (ICDSBS)	June 2025	10.1109/ICDSBS63635.2025.11032067	Scopus

KCG
COLLEGE OF TECHNOLOGY
Affiliated to Anna University
AUTONOMOUS

FACULTY CONFERENCE PUBLICATIONS 2026-27

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus/ SCI / Others
1	Dr.Babymol Kurian Dr.Anju Ms.Beema Meharaj	AI-Based Detection of Psychological Disorders using EEG Signals and Deep Learning	: 2026 International Conference on Next Generation Electronics (NELEX	13 July 2026	10.1109/NELeX69209.2026.11590630	IEEE Xplore
2	C.Anand	Mountain Gazelle Optimization Algorithm-based Clustering Scheme for Energy Stability in Internet of Things	2026 4th International Conference on Sustainable Computing and Smart Systems (ICSCSS)	8/14/2026	10.1109/ICSCSS69635.2026.11645888	IEEE Xplore
3	Dr.Adline Freeda	Employee attrition prediction using data analysis and machine learning algorithm	PROCEEDINGS OF THE SECOND INTERNATIONAL CONFERENCE ON INTEGRATION OF ADVANCED TECHNOLOGIES FOR INDUSTRY 4.0	9 April 2026	10.1063/5.0317313	Scopus
4	Ms.A.Nandhini	ECCO-AELRO Based Energy-Efficient Communication for WSN	2026 6th International Conference on Soft Computing for Security Applications (ICSCSA)	06 October 2026	10.1109/ICSCSA69367.2026.11708298	IEEE Xplore
5	Dr.Babymol Kurian Dr.Anju Ms.Beema Meharaj Ms.Nandhini A	Integrating Deep Learning and Psychological Models for Adaptive AI-Based Student Support Systems	2026 Conference on Latest Innovations in Computing and Knowledge (CLICK)	30 Octoer 2026	10.1109/CLICK68749.2026.11741763	IEEE Xplore
6	Dr.Anju Dr.Babymol Kurian Ms.Beema Meharaj	Modernized Ration Distribution with Scheduled Pickup and Time Slot Management	2026 Conference on Latest Innovations in Computing and Knowledge (CLICK)	30 Octoer 2026	10.1109/CLICK68749.2026.11741833	IEEE Xplore
7	C.Anand	VIKOR-Based Multi-Criteria Decision Making for Cluster-Based Routing in WSNs	2026 6th International Conference on Soft Computing for Security Applications (ICSCSA)	19-21 AUG 2026	10.1109/ICSCSA69367.2026	IEEE Xplore

KCG COLLEGE OF TECHNOLOGY
Affiliated to Anna University
AUTONOMOUS

FACULTY JOURNAL PUBLICATIONS 2025-26

S.No.	Name of the Faculty	Title of Publication	Journal Name Published	ISSN	Month & Year	DOI	Scopus/ SCI / Others
1	Dr Anju A	Enhanced deep learning and quantum variational classifier for large-scale data analysis	Knowledge-Based Systems	0950-7051	Volume 330, Part C, 2025,	https://doi.org/10.1016/j.knosys.2025.114611	SCI

KCG
COLLEGE OF TECHNOLOGY
Affiliated to Anna University
AUTONOMOUS

FACULTY JOURNAL PUBLICATIONS 2026-27

S.No.	Name of the Faculty	Title of Publication	Journal Name Published	ISSN	Month & Year	DOI	Scopus/ SCI / Others
1	Dr.R.Adline Freeda	Decentralized Reinforcement Learning Protocol for Energy-Sustainable WSN with Wireless Power Transfer	KSII Transactions on Internet and Information Systems		Sep 2026	10.3837/tiis.2026.09.025	SCI
2	Dr.R.Adline Freeda	AI-Enabled Cooperative FANET Architecture for Energy-Efficient MultiUAV Precision Agriculture Monitoring and Targeted Actuation	IEEE Transactions on AgriFood Electronics		02 October 2026	10.1109/TAFE.2026.3729881	scopus
3	Dr.Babymol Kurian	DUAL-ATTENTION FUSION NETWORK FOR BEARING FAULT DIAGNOSIS USING HYBRID DEEP LEARNING WITH VIBRATION SIGNAL ANALYSIS	JATIT		15th October	https://www.jatit.org/volumes/hundredfour19.php	scopus