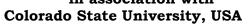
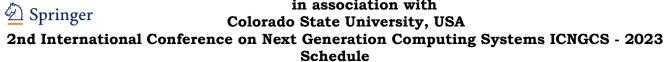


Department of Computer Science and Engineering









Time	Day 1- 17-03-2023			
8:30am– 9:00 am	Registration Venue :E2-CSE PSGiTech Square			
9:00am - 10:00am		Inauguration		quure
7.00am - 10.00am		Venue :E5-Semin		1
	Gme	et Link : https://meet.goog		
10:15am – 10:30am		Tea Breal		<u> </u>
10:30am – 11:30		Keynote 1	1	
am		Venue :E4-Semin		!
	Semicondu	ctor Landscape in India	- Key	Insights and Future
		Dr. Shivananda R l	Koteshy	war
	<u>-</u>	Site Leader and R&D Hea	-	± 7
		et Link : https://meet.goog		**
	Technical Session -1	Technical Session -		Technical Session –3
	Venue: E2- II Floor CSE Seminar	Venue: E2- I Floor C	CSE-	Venue: E2- Ground Floor CSE Cloud Lab
	Hall	Mobile IoT Lab		ON LINE: Paper ID:
11:45am-12:45pm	<u>OFF LINE : Paper ID:</u>	<u>OFF LINE : Paper :</u>		1085,1086,1087, 1093,1096,1100,1101,1105
	1009,1011,1021,1022,1024, 1027,1032	1033,1034,1040,1041,10 045,1057	044,1	Gmeet Link : https://meet.google.com/yfb- dbmk-hre
12:45pm - 2:00pm		Lunch Break		
2:15pm-4:15pm	Technical Session	- 4		Technical Session - 5
1 1	Venue: E2- II Floor CSE Se	eminar Hall		Venue: E2-I Floor CSE-Mobile IoT Lab
	OFF LINE : Paper	· ID:		ON LINE: Paper ID:
	1058,1072,1073,1084,1088,10	091,1098,1110,		1005,1006,1014,1048,1055,1060,1069,
	1116,1117			1078,1080, 1082,1083
			Gmeet	t Link : https://meet.google.com/yfb-dbmk-hre
4:15pm-4:30pm		Tea Break		



PSG Institute of Technology and Applied Research Coimbatore - 641062

Department of Computer Science and Engineering







Time		Day 2	2- 18-03-2023	
9:15am - 10:15am	Venue: E2-II Floor CSE Semina		Keynote 3 Venue: E2- I Floor CSE-Mobile IoT Lab Towards Building Secure Cyber-Physical Systems Dr. Indrajit Ray	
	Phishing Detection: Challenges and Dr. Indrakshi Ray	d Solutions		
	Professor,			or and Associate Chair,
	Department of Computer Science,	,Colorado		nt of Computer Science,
	State University, USA			State University, USA
10.15	Gmeet link: meet.google.com/cvo-	-uhxh-ixa	Gmeet link: m	eet.google.com/pfa-iyed-aum
10:15am - 10:45 am		T	ea Break	
	Technical Session - 6	Techn	ical Session - 7	Technical Session - 8
	Venue: E2-II Floor CSE	Venue: E2-Ground Floor CSE		Venue: E2- I Floor CSE-Mobile
	SeminarHall	Cloud Lab		IoT Lab
10:45am -12:45pm	OFF LINE: Paper ID:	ON LINE: Paper ID:		ON LINE : Paper ID:
10.43am -12.43pm	1118,1120,1063,1018,1121,	1106,1113,1123,1125,1126,		1136,1137,1140,1141,1150,
	1129, 1130, 1156,1157,1158	1127,1128,1131,1132,1134		1151, 1154,1155,1159,1160
		Gmeet link:		Gmeet link:
		meet.googl	e.com/cvo-uhxh-ixa	meet.google.com/pfa-iyed-aum
12:45pm - 2:00pm		Lu	nch Break	
2:00pm-4:00pm	Technical Session - 9		Technical Session -10	
	Venue: E2- II Floor CSE Semin	nar Hall	Venue: E2- I Floor CSE-Mobile IoT Lab	
	OFF LINE : Paper ID:	<u>OFF LINE : Paper ID:</u> 1065,1092,1122,1064,1099, 1149,1169,1170,1171		F LINE : Paper ID:
	1065,1092,1122,1064,1099, 1149,11			64,1165,1166,1167, 1168
4:10pm-4:30pm	Valedictory function Venue: E2- II Floor CSE Seminar Hall			
4:30pm – 4:45pm		I	Iigh Tea	



Department of Computer Science and Engineering





Technical Session - 1

Venue: E2- II Floor CSE Seminar Hall

OFF LINE: Paper ID:1009,1011,1021,1022,1024,1027,1032 **Date** : 17-03-2023 Time: 11:45am -12:45pm

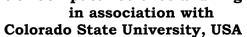
: Dr.Rekha R, PSG College of Technology, Coimbatore Session Chair

Session Co-Chair : Dr. B. Gomathi, PSGiTech

Paper ID	Title	Name of the Author(s)
1009	Simulation Analysis of X-band 2nd Order Edge-Coupled Band-Pass Filter for Downlink Television Applications	S. BHOOPALAN, U.
1011	Energy Efficient Spin Based MCML	GAYATHIRI M
		GURU PRAMODH R, BHARATH J,
1021	IoT-based Forest Tree Smuggling Prevention System	SANTHAKUMAR G,
1021	101-based Potest Tree Sinugging Frevention System	MUTHUKUMAR R
		SANTHAKUMAR G, ROGHITH JM,
1022	Blind Navigation System Using Arduino Uno	SAMYUKTH AD,
1022		SUNDARAPANDIYAN R, SABARI M
		Dr. M. SENTHILKUMAR,
		DR.J.THIYAGARAJAN,
1024	Smart Parking with Automatic Billing System Using Supervised Machine Learning Algorithm	DR.C.PAZHANIMUTHU
1021		DR.B.ADHAVAN,DR.M.MOHAMED
		IQBAL
1027	Product sales analysis using Deep learning Models in Time series	POOJA.R.I, CHARUNI,
1027	forecasting	SAMPATHKUMAR
	Development of IoT Based Safety Helmet for Mining Workers Using	SARIGHA SRIRAM G,SRIBALAJI S,
1032	LoRaWAN	MAITHILI P



Department of Computer Science and Engineering





2 Springer

2nd International Conference on Next Generation Computing Systems ICNGCS - 2023 Schedule

Technical Session – 2

Venue: E2- I Floor CSE-Mobile IoT Lab

<u>OFF LINE : Paper ID :</u>1033,1034,1040,1041,1044, 1045,1057 <u>Date</u> : 17-03-2023 Time: 11:45am -12:45pm

Session Chair : Dr.T.Ramraj, Coimbatore Institute of Technology, Coimbatore

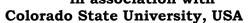
Session Co-Chair: **Dr.S.Lokesh,PSGiTech**

Paper ID	Title	Name of the Author(s)
		RAMYA RAGHU NANDHINI.S,
1033	Study of task scheduling between fog device and sensors based on cost function	MUTHUBHARATHI.R
1034	Design of approximate adders with error tolerant technique	PRIYADHARSHINI R
		AKSHAYA RAJENDRA GUPTA ,
1040	Implementation of animal intrusion detection in farmlands	GOKUL SENTHIL KUMAR ,
1010		DUSHYANTH SHANMUGAM
1041	Design and development of an app to monitor and control the water flow using GSM	SABARI U.P, PRADEEPA V, NAVEEN KUMAR B, SATHYA NARAYANAN VELMURUGAN
1044	Performance analysis of VLSI circuits using the MDCLCG-TPG	REVATHI R
1045	Metamaterial based wearable MIMO antenna for WBAN applications	PAVITHRA R
1057	Low power and timing error mitigation circuit design based on clock gating	JEMIMA S



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2nd International Conference on Next Generation Computing Systems ICNGCS - 2023 Schedule

Technical Session – 3

Venue: E2- II Ground Floor CSE Cloud Lab

ON LINE : Paper ID: 1085,1086,1087, 1093,1096,1100,1101,1105

Date : 17-03-2023 Time: 11:45am -12:45pm

Session Chair : **Dr.E.Malar**, **PSGiTech**

2 Springer

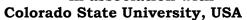
Session Co-Chair: Dr.PriyaPonnusamy,PSGiTech

Paper ID	Title	Name of the Author(s)
1085	Context-Aware Adaptive Reinforcement Learning Approach for Autonomous Vehicles	CHANDRASEKARAN SAKTHIVEL
1086	OFDM Spatial Modulation with Subcarrier Number Modulation	JAGADESHWARAN RAMASAMY
1087	Reconfigurable Multiclock Adaptive Net: An Adaptive Memory Oriented NoC for FPGA	ANJALINE JAYAPRABHA.A
1093	Performance Analysis Of Particle Swarm Optimization Technique For Classification Of Epilepsy Risk Levels Eeg Signals	SYED KHADHAR Z
1096	Leukemia Detection Using Image Processing In Matlab	SHAKTHI R
1100	Effective Prediction of Coronary Heart Disease Using Machine Learning Techniques	V.MANIMARAN, N.SHANTHI, S.GOGHUL, S.HARISHRAAJ, T.HARIHARAN
1101	Efficient Identification of Nationally Mandated Reportable Cancer Cases Using Natural Language Processing and Machine Learning	KALAISELVI T C, AANANTHI.T.P
1105	An Enhanced Dual Band Microstrip Patch Antenna with Metamaterial Superstrates for Gain enhancement	IMACULATE ROSALINE



Department of Computer Science and Engineering







2nd International Conference on Next Generation Computing Systems ICNGCS - 2023 Schedule

Technical Session - 4

Venue: E2- II Floor CSE Seminar Hall

OFF LINE : Paper ID: 1058,1072,1073,1084,1088,1091,1098,1110,1116,1117

<u>Date</u> : 17-03-2023 Time: 02:15am -04:15pm

Session Chair : Dr. D. Karthika Renuka, PSG College of Technology, Coimbatore

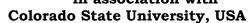
Session Co-Chair: Dr. I. Kala, PSGiTech

Paper ID	Title	Name of the Author(s)
1058	Hyperparameter optimization in ALEXNET for detecting Malignancy in Colon and Lung Histopathology Images via CSIP EHE	M. R. MYTHILY, PARIMALAGANDHI AYYAVU
1072	Bone Cancer Prediction Using Hybrid Deep Learning Algorithms	DEEPIKA S
1073	Histogram Partition and A linear programming Approach for Foreground image Enhancement in videos	HARIHARAN .S, VENKATESAN.R AND ARUNKUMAR.B
1084	Design Of Approximate Adders for Low Energy Applications Using QCA	B.H.LAVANYA
1088	A Novel Algorithm for Reducing the Vehicle Density in Traffic Scenario by Using YOLOv7 Algorithm	S.ABISHEK, J.D.BEN SHALOM, V.RESWIN ANTO, V.G.JANANI
1091	Comparison on Performance Analysis of Various Adders based on ASIC Layout Implementation	VISHNUSHREE S
1098	Hearing Threshold Level Classification Using Neural Network	HARSHINNEE C R M
1110	Fetal Heart Rate Estimation from fPCG signals using level dependent wavelet shrinkage and Machine Learning Algorithm	S.MAKIBALAN
1116	Performance Enhancement of Dyslexia Prediction with Oversampling and Ensemble Learning Methods	RASMI M, DR. N. VALLIAMMAL
1117	Automatic Method for Classification of Grasshopper Using Convolutional Neural Network	DR. M. SUGANYA, DR. K. MANIMEGALAI, DR. D. MATHIVADHANI, DR. D. SIVAGANESAN AND MRS. V. PRIYADHARSHINI



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2nd International Conference on Next Generation Computing Systems ICNGCS - 2023 Schedule

Technical Session - 5

Venue: E2- I Floor CSE-Mobile IoT Lab

ON LINE : Paper ID: 1005,1006,1014,1048,1055,1060,1069,1078,1080, 1082,1083

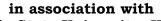
<u>Date</u> : 17-03-2023 Time: 2:15pm - 4:15pm

Session Chair : **Dr.M.Jeyasanthi, PSGiTech**Session Co-Chair: **Dr.S.Lokesh, PSGiTech**

Paper ID	Title	Name of the Author(s)
1005	Credit/debit card security through biometric sensor in smart phones	LIKITH RAMA P
1006	A swarm optimization based Factual-Time Assets Allocation Configuration for Many-Task Unloading in MCC	A. RICHARD WILLIAM, J. SENTHILKUMAR, Y. SURESH2 AND V. MOHANRAJ
1014	A Comparative Study of Low Contrast Image Enhancement Using Histogram Equalization Techniques And Fuzzy Logic Algorithm	DR.E.A.MOHAMED ALI
1048	Lightweight Cryptography Techniques for IOT Devices	GOVINDA K , CHINTALAPATI AKHIL , PREETISH BISWAL , VINAYAK MAHADEVAN
1055	Decentralizing Social Networks using Block chain Technologies	A.P. HARI KRISNAN1, S. KALPANADEVI
1060	Hybrid Packet Scheduling Using Red And Priority queue Algorithm	B.S.DEEPA PRIYA, G.SARAVANAN, R.SAVITHA, Dr. A V SANTHOSH BABU
1069	Data Poisoning Attacks on Machine Learning Model Reliability	B.KAVIBHARATHI
1078	Access Control Mechanism Based Messenger Application For Secure Communication Using AES Encryption	YOKESHWARAN S
1080	Crop Protection from Animal Attacks Using IOT	DUMPA KRISHNA REDDY
1082	Design of Low Cost Baby Health Monitoring System Using IoT	NIMMALAHARATHI
1083	WhiteCaps : Smart Oyster Mushroom Growing Chamber Using IoT	PRANAV NIVAS K , RAJADURAI M, KRISHNAPANDI M G , PRAVEEN KUMAR M ,DR. D. SHANTHI



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2nd International Conference on Next Generation Computing Systems ICNGCS - 2023 Schedule

Technical Session - 6

Venue: E2-II Floor CSE Seminar Hall

OFF LINE : Paper ID: 1118,1120,1063,1018,1121,1129, 1130, 1156,1157,1158

: 18-03-2023 Time: 10:45am -12:45pm **Date**

Session Chair : Dr. G. Murugananth, Ahalia School of Engineering & Technology, Palakkad

Session Co-Chair : Dr. D. Sivaganesan, PSGiTech

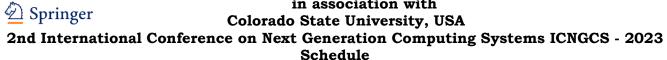
Paper ID Title Name		Name of the Author(s)
1118	Performance Evaluation on Selective Forwarding Attack Detection using Machine Learning Techniques implemented in ZIGBEE Network	DR.D.NETHRA PINGALA SUTHISHNI, DR.D.SHANMUGAPRIYA, DR.V.SASIREKHA AND DR.G.PADMAVATHI
1120	A Fast Optical Disc Recognition Algorithm for Low Resolution Retinal Images	JOTHIBASU M,KARTHIK M , MALAR E , USHA S
1063	Conversational Chatbot With Web Interface To Succor Tuberculosis Detection And For Medication	VIJAYAPRAKASH S,PAVITHRA.A
1018	A Web Based Cyber Offense Delineating System	SUPRIYAA.D, RIYA PRINCY.C,POORNA PUSHKALA.S, MRS.R.RAMYA
1121	Hand Gesture Recognition to Control Electronic Appliances using Tensor Flow	SAVITHA S J, NISHA SOMS, KIRTHIKA K M
1129	Regression based Machine Learning Approach for Smart Grid Stability Prediction	MEHAL SAKTHI MUTHUSAMY SIVARAJA
1130	Web Scraping and Sentimental Analysis of Monsoon based Tweets using Transformers	SOWBARNIGAA SHANMUGAVADIVEL
1156	An IOT based System to Monitor and Regulate Traffic on Ghat Roads	THIVAHARAN S, SRIVATSUN G SIVAGANESAN D, KARTHIKEYAN A S
1157	Intelligent path planning to mitigate obstacles and deliver products using a modified A* algorithm	DR. MAHAVISHNU V.C , SAISANTHOSH S AND HARIHARAN K
1158	12-lead ECG Signal Analysis for the Classification of Cardiac Abnormalities using One-dimensional Convolutional Neural Network	SOWMIYA M , BANU REKHA B, MALAR E , AISHWARYA , KOUSHIK , PRABHURAM , SHOBIKA



Department of Computer Science and Engineering









Venue: E2-Ground Floor CSE Cloud Lab

ON LINE: Paper ID: 1106,1113,1123,1125,1126,1127,1128,1131,1132,1134

Date : 18-03-2023 Time: 10:45am -12:45pm

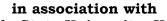
Session Chair :Dr.Adhavan B, PSGiTech

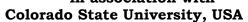
Session Co-Chair : Dr. I. Kala, PSGiTech

Paper ID	Title	Name of the Author(s)
1106	Design and Analysis of Stub Loaded Serpentine With U Shaped DGS Directional Coupler For BDM Analysis	SRINITHI A
1113	Indian Paper Currency Recognition for Visually Impaired People using Convolutional Neural Network	SANTHOSH T K
1123	Design of Field Programmable Gate Array based DSS Clock Generator	Dr.K.E.PURUSHOTHAMAN, Dr.ASHWINI A, L. K. BALAJI VIGNESH D. SILAMBARASAN
1125	Fundus Image Based Deep Learning for Early Diabetic Retinopathy Detection	Dr.P.CHINNASAMY CHEPARTHY SRIPRANEETA, ATLURI REKHA LAXMI SAROJINI, ANUGU ROHAN REDDY
1126	Human Activity Recognition through Videos using Deep Learning Algorithms	P.CHINNASAMY, GANDE HARSHITHA, ELURI VAMSI KRISHNA, AMBATI JESWIN, S HANISH REDDY
1127	Blood Glucose Level Estimation - A Review	R J ASHNA JAPHIN
1128	Deep Learning-Based Heart Disease Diagnosis using Long Short-Term Memory - An Experimental Study	S DAVID SAMUEL AZARIYA
1131	An Intelligent Emotion Recognition System(IERS): Student Engagement Dashboard	PATHRI NARAYANAN N , AKIL ARSATH J , ABIRAMI A M , KARTHIKEYAN P
1132	Lightning Alerting System Using IOT	JAHNAVI MAGANTI NIKHITHA GANIVADA, SUJATHA AMBALLA, S. RAJESH
1134	Machine Learning Based User – Friendly Prediction of Plant Diseases Using OpenCV Modules and Cloud of Things	Dr.P.CHINNASAMY VIVEKANANDA SHONTI, L.ANOOP SAI KASHYUP, G.SOHAN REDDY, SK.ADEEP PASHA



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2nd International Conference on Next Generation Computing Systems ICNGCS - 2023 Schedule

Technical Session - 8

Venue: E2- I Floor CSE-Mobile IoT Lab

ON LINE : Paper ID: 1136,1137,1140,1141,1150,1151, 1154,1155,1159,1160

<u>Date</u> : 18-03-2023 Time: 10:45am -12:45pm

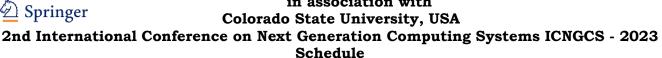
Session Chair : **Dr.G.Santhanamari**, **PSGiTech**Session Co-Chair: **Dr.PriyaPonnusamy**, **PSGiTech**

Paper ID	Title	Name of the Author(s)
1136	Phish Detector- Phishing Detection Approach Thru Machine Learning	DR.P.CHINNASAMY P.LAKSHMI DEEPIKA, AFREEN, D.PRANAV
1137	AbhayaPradha - Cloud based Women Safety System	Dr. P. CHINNASAMY E. ANUPRIYA, A GOPI KRISHNA, A SINDU PRIYA, D TEJASWI
1140	An Efficient Data Security on Cloud Environments using an enhanced Advanced Encryption Standard (EAES) Algorithm	Dr. P. CHINNASAMY, ABHISHEK KUMAR JHA, CHAWAN VINESH, SAI NARASIMHA HARSHIT KOTHA
1141	Design and Development of a Blockchain-based Decentralized Chat Application in Web 3.0 using the Hardhat Framework	DHARANEESH GG
1150	Analysis and Forecasting of Water Quality Index using Machine Learning Algorithm.	SABAREESWARAN CHANDRASEKAR
1151	Real Time Monitoring Of Oxygen Saturation (Spo2) At Arteries Using Non Invasive Optical Sensor	DR. ASHWINI A, DR. K. E. PURUSHOTHAMAN, D. SILAMBARASAN AND L. K. BALAJI VIGNESH
1154	Random Forest Based Heart Disease Prediction System	DR. S. PRIYADARSINI M. JEEVAMUKESH K. DHARNESH A. KARUPPASAMY V. MUTHUKUMAR
1155	Graph Centrality Measures for Email Networks	TIRUMALA KUMAR KANDUKURU
1159	Low Cost Vibrating Band for Hearing Impaired	NIMMALAHARATHI
1160	Landmine Detection Robotic Vehicle Using GSM & GPS Positioning System	N.P.DHARANI



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Venue: E2- II Floor CSE Seminar Hall

OFF LINE : Paper ID: 1065,1092,1122,1064,1099, 1149, 1169,1170,1171

: 18-03-2023 Time: 2:00pm - 4:00pm **Date**

: Dr. Senthil Kumar T, Amrita Vishwa Vidyapeetham, Coimbatore Session Chair

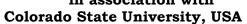
Session Co-Chair : Dr. B. Gomathi, PSGiTech

Paper ID	Title	Name of the Author(s)
1065	Deep Learning for Data Prediction using Cloud Services	DR S SURIYA, DHULASI PRIYA S
1092	Detection of metal ions using biosensors for precise medication	SHIRIN SHIFFRA J, NITHYA B
1122	A Side-Channel based Hardware Trojan Detection using Power Traces and Anomaly Detection Technique	M PRIYADHARSHINI P SARAVANAN
1064	Detecting Intrusion of Fishermen and Trespassing into Foreign Seas Using Machine Learning Techniques	DR SURIYA S, ANUHARSHINI B, CHARANYA A G, HARINI S, PREETHIKA P AND SWATHI PRIYA M
1099	Electric Grid Optimization for Smart Cities Using Reinforcement Learning	SHRUTI P, DEVA PRIYAN T A , KARTHIKEYAN A, PRITHIK KUMAR R , RUBASHREE R
1149	Intelligent CCTV Surveillance System	GOKILA HARINI KRISHNA K
1169	Integrating Block chain Technology with IoT for Accident Detection Prevention and Emergency solution	DR.KALA I "JOSHVA P SARATHIKANNAN K SURYAMOORTHI A
1170	PhishNet – Detection of Phishing Websites using Machine Learning	DR.KALA I,NIKHIL R,PRIYANKA K, SOWMIYA PRIYA R S,YASHWANT C M
1171	Transcription and Text Summarization using Deep Learning Techniques	DR.R MANIMEGALAI, SUSMETA A



Department of Computer Science and Engineering







2nd International Conference on Next Generation Computing Systems ICNGCS - 2023 Schedule

Technical Session -10

Venue: E2- I Floor CSE-Mobile IoT Lab

OFF LINE : Paper ID: 1161,1162,1163,1164,1165,1166,1167, 1168

<u>Date</u> : 18-03-2023 Time: 2:00pm - 4:00pm

Session Chair : Dr. P. Vetrivelan, PSG Institute of Technology and Applied Research, Coimbatore

Session Co-Chair : Dr. V. C. Mahavishnu, PSGiTech

Paper ID	Title	Name of the Author(s)
	Deep Learning based Indian Sign Language Recognition	DR.P. VETRIVELAN, ARAVIND M,
1161		ABINANDHAN A, SURIYAA M.M.,
		D.SIVAGANESAN
		Dr. MALAR E, VISHNUPRIYA L ,
1162	Multiclass COVID-19 prediction using Xception	SASMITHA C R AND NANDHA
		KUMAR G
	Effective Marine Animal Detection And Rare Species Classification Using Autonomous	DR.MAHAVISHNU V C,
1163	,	VIKHAS S G,SHYAMGANESH
	Drones	T,ROOPAKUMAR S,KAVIN S V
1164	SUMMaRIZER: An Extraction Based Text Summarization Tool	A S KARESHMMAA,
1104		N ARAVINDHRAJ
	Audio Encryption and Authenticity using Digital Signature	DR.SIVAGANESAN D,A K SHARAN
1165		SHANKAR,SHUBHAM
		GHOSH,THARAN S
		RAWAT BATUL, V. VILASINI,
1166	ON-CERT Online Certificate Generation System	KESHAV ADITHYA S P,SATHYA
		VARSHINI R D
1167	Advancements in Glaucoma Diagnosis and Prediction through Machine Learning	BHUVANESWARI P, DHARUN
1107	Techniques: A Comprehensive Review	R,DHARSHINI S,S SRIDEVI
		DD GHILL GALVES AND ADDRESS TO
1168	Vehicular Congestion Detection Using Efficient Routing Protocol With Collision Avoidance (ERPCA) in VANET	DR.SIVAGANESAN D, ABINESH R,
		REVANTH S, PREMKUMAR I M,
		VENKATESHWARAN M