

Global Conference on  
**Recent Developments in Computer and Communication Technologies**  
**(GC-RDCT 2021)**

29-30, July 2021 | Mangalore, India | [www.gc-rdct.com](http://www.gc-rdct.com)

**Program Schedule**

Date	Time	Event
29.07.2021	09.30 am to 10.00 am	Inaugural Function Meeting link: <a href="https://meet.google.com/oxv-oabd-adu">https://meet.google.com/oxv-oabd-adu</a>
29.07.2021	10.00 am	<b>Keynote 1</b> <b>Ts. Dr. Tan Chye Lih</b> Head of Strategy and Risk management Division, SQM Faculty of Mechanical Engineering Technology, Universiti Malaysia Perlis (UNIMAP), Malaysia. Meeting link: <a href="https://meet.google.com/oxv-oabd-adu">https://meet.google.com/oxv-oabd-adu</a>
29.07.2021	10.45 am	<b>Keynote 2</b> <b>Dr. Manoharan P A</b> Dean - Innovations Chennai Institute of Technology & Director Robota Technology Innovation Pvt. Ltd., Chennai Meeting link: <a href="https://meet.google.com/oxv-oabd-adu">https://meet.google.com/oxv-oabd-adu</a>
29.07.2021	11.30 am to 05.30 pm	Session: <b>EE01</b> (Online) Meeting link: <a href="https://meet.google.com/jik-qynh-ajc">meet.google.com/jik-qynh-ajc</a>
		Session: <b>EE02</b> (online) Meeting link: <a href="https://meet.google.com/tkw-vegt-fwj">meet.google.com/tkw-vegt-fwj</a>
30.07.2021	10.00 am	<b>Keynote 3</b> <b>Dr. Patel R N</b> Department of Electrical Engineering National Institute of Technology Raipur Raipur, Chhattisgarh, India Meeting link: <a href="https://meet.google.com/oxv-oabd-adu">https://meet.google.com/oxv-oabd-adu</a>
30.07.2021	10.45 am	<b>Keynote 4</b> <b>Dr. Murugappan M</b> Department of ECE Kuwait College of Science and Technology (A Private University), Kuwait. Meeting link: <a href="https://meet.google.com/oxv-oabd-adu">https://meet.google.com/oxv-oabd-adu</a>
30.07.2021	11.30 am to 05.20 pm	Session: <b>CS01</b> (online) Meeting link: <a href="https://meet.google.com/dvf-fqyu-jhg">meet.google.com/dvf-fqyu-jhg</a>

CS - Computer Science & Engineering

EE - Electrical, Electronics & Communication Engineering

**Note:**

1. Start time given above indicates Indian Standard Time (IST).
2. Presentation will be conducted using Google Meet.
3. Participants can join their respective sessions by clicking the meet link given
4. Mode of presentation should be powerpoint presentation(ppt or pptx)
5. Duration of presentation: 10 minutes (presentation) + 5 minutes(Queries)
6. Participant using Google Meet will be admitted at any time prior to their scheduled time.
7. Participants are requested to follow the scheduled time; especially regarding the time for your talk.
8. Participants are requested to contact the respective session In-Charges for presentation related queries.
9. If any problem connecting to session, please text to the respective session In-Charges (Or) GC-RDCT Whatsapp group during presentation date(s).

**Session: EE01**

Date: 29.07.2021

Time: 11.30 am to 05.30 pm

Session In-charge: **Mr. Raghavendra Havaladar**Session in-charge Contact Number: **+91 9731099138**Google Meet ID/Link: [meet.google.com/jik-gynh-ajc](https://meet.google.com/jik-gynh-ajc)

Time	Paper ID	Paper Title
11.30 am	RDCT 1015	Simulation of Different Third Harmonic Injected PWM Strategies for 5-Level Diode-Clamped Multilevel Inverter
11.50 am	RDCT 1020	High Performance Wallace Tree Multiplier Using Majority Gate Based Adders
12.10 pm	RDCT 1025	A Review of Meshing Techniques in the field of Biomedicine
12.30 pm	RDCT 1028	Application of Natural Betalain Dye from Beetroot for Improved Efficiency in Dye Sensitized Solar Cell
12.50 pm	RDCT 1031	Pair sum modulo labeling of spider graph
02.00 pm	RDCT 1042	Power-efficient Strategies for Sensing in Autonomous Mobile Robots, a critical requirement of I4.0 standard
02.20 pm	RDCT 1043	Low Power Memory System Design Using Power Gated SRAM Cell
02.40 pm	RDCT 1045	Replacing two As atoms in silicene nanoribbons in the presence of an external electric field
03.00 pm	RDCT 1048	Efficient Waste Management Models for Smart Cities: A Case Study
03.20 pm	RDCT 1049	Design and Simulation of Sierpiński Triangle Fractal Antenna for S-Band
03.40 pm	RDCT 1075	Design and evaluation of hybrid SHE+STT-MTJ/CMOS full adder based on LIM architecture
04.00 pm	RDCT 1080	Design & Simulation of S Band Planar Microwave Filter for Wireless Application
04.20 pm	RDCT 1082	A Different Shaped Radiating Element Wide Band Multi-Band Massive MIMO Antenna for 5G/WLAN applications with Enhanced Correlation Coefficient
04.40 pm	RDCT 1059	UIE-Net: Underwater Image Enhancement Network for Improved Visual Perception
05.00 pm	RDCT 1061	Restoration of degraded underwater images with attenuation coefficients as a clue
05.20 pm	RDCT 1062	3D Pointcloud Rendering in ARCore

**Session: EE02**

Date: 29.07.2021

Time: 11.30 am to 04.00 pm

Session In-charge: **Mr. Pradeep Kumar**Session in-charge Contact Number: **+91 9448189416**Google Meet ID/Link: [meet.google.com/tkw-vegt-fwi](https://meet.google.com/tkw-vegt-fwi)

Time	Paper ID	Paper Title
11.30 am	RDCT 1090	Influence of pH and salinity on photocatalytic dye degradation and heavy metal ion reduction with cobalt ferrite photocatalysts
11.50 am	RDCT 1091	Mathematical model and analysis of PV Converter - Inverter System
12.10 pm	RDCT 1096	Propagation of Partial Discharge Pulses in Transformer Windings
12.30 pm	RDCT 2010	Selection of an efficient wind turbine generator at Government science college premises Chitradurga, India
12.50 pm	RDCT 2015	UWB dual notch implementation using folded bi-section stepped impedance resonator
02.00 pm	RDCT 2022	A Novel Approach in Hybrid Median Filtering for Deinoising Medical Images
02.20 pm	RDCT 2026	Automatic Detection of New Vessels in Retinal Photographs using Machine Learning
02.40 pm	RDCT 2027	Fruit Classification Comparison Based on CNN and YOLO
03.00 pm	RDCT 2032	Development of data driven adaptive edge detectors for image processing
03.20 pm	RDCT 2035	Assessment of Asphalt Road Pavement Rehabilitation and Maintenance Practices: The Case of West Showa Zone in Oromia, Ethiopia
03.40 pm	RDCT 1089	Design of All-Optical Logic Gates Based on a Germanium Ring Resonator using Photonics Technology
04.00 pm	RDCT 2011	Low-compute facial expression recognition using fiducial feature-sets
04.20 pm	RDCT 2037	Effect of Thermal Barrier Coating in Sustainable Power production of Gas Turbines
04.40 pm	RDCT 1083	Integrated Multi-Operational Antenna System Design for CR Applications
05.00 pm	RDCT 1084	Performance Evaluation of GFDM with TWTA High Power Amplifier Model

**Session: CS01**

Date: 30.07.2021

Time: 11.30 am to 04.00 pm

Session In-charge: **Mr. Terance Marian F**Session in-charge Contact Number: **+91 9845095295**Google Meet ID/Link: [meet.google.com/dvf-fgyu-jhg](https://meet.google.com/dvf-fgyu-jhg)

Time	Paper ID	Paper Title
11.30 am	RDCT 1004	Group Leverage Centrality and its Applications in Brain Networks
11.50 am	RDCT 1036	Open Source Knowledge Delivery
12.10 pm	RDCT 1050	Deep Neural Network for Electroencephalogram based Emotion Recognition
12.30 pm	RDCT 1057	Real-time Flow Visualization using Projection Mapping Technique
12.50 pm	RDCT 1079	Medical Health Data Privacy Preservation Systems Using BlockChain and Smart Contract
02.00 pm	RDCT 1085	Internet of Things (IoT) in Education
02.20 pm	RDCT 1093	Ring-Based Quantum Network with Quantum Key Distribution (QKD) and Quantum Digital Signature(QDS)
02.40 pm	RDCT 1095	Analysis of an algorithm used for finding Unipolar Orthogonal Codes
03.00 pm	RDCT 1097	Simulation Tests of Tokyo Quantum Network
03.20 pm	RDCT 2009	APACHE-II Score based Clinical Decision Support Model for ICU Patient Monitoring
03.40 pm	RDCT 2024	Comparison of word embeddings in text classification based on RNN and CNN
04.00 pm	RDCT 2031	Math Adventures with Tuffy: A 2D game to aid in learning Mathematics
04.20 pm	RDCT 2038	Comparison of D-Vine and R-Vine Technique for Virtual Network Embedding Problem
04.40 pm	RDCT 2043	Improving the Relation Classification Using Convolutional Neural Network
05.00 pm	RDCT 2012	Symmetric Key Cryptosystem based on Sequential State Machine