



International Conference on Sciences, Engineering  
& Technical Innovation  
(ICSETI-16)  
June 3 & 4, 2016  
CT GROUP OF INSTITUTIONS, JALANDHAR (PUNJAB), INDIA

## Venue: Seminar Hall (CTIEMT)

### Track 2: Computer Science Engineering/Information Technology/Electronics & Communication Engineering

Day 1: (June 3, 2016)

Time: (2.00 PM -3.30 PM)

### Technical Session 1: (ANALOG/ DIGITAL/ ANTENNA/ VLSI/OPTICAL COMMUNICATION)

Session Chair :

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	A New Fractal Antenna with Fractal Shaped Defected Ground Plane	ICSETI-T2-ECE-020	Navneet Kaur Deptt. of ECE GNDEC Ludhiana	Oral
2.	Band Structure of Different Sizes Of Copper Oxide Nanoparticle	ICSETI-T2-ECE-029	Jyoti Electronics and communication Guru Nanak Dev University, Regional Campus,Ladhewali Jalandhar	Oral
3.	Design Analysis of Tri-band Inverted Microstrip Patch Antenna	ICSETI-T2-ECE-036	Nancy Gupta ECE, CTIEMT	Oral
4.	Review of Reversible Adder/Subtractor VLSI Designs	ICSETI-T2-ECE-049	Kunal Chaudhary Department of ECE CTIEMT Punjab, India	Oral



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5.	Design of Low Power Low Noise 64-bit CMOS Comparator	ICSETI-T2-ECE-055	Veerpal Kaur Deptt. of ECE Yadavindra College of Engineering Talwandi Sabo, India	Oral
6.	Nanoelectronics: Setting the Roadmap for Electronics	ICSETI-T2-ECE-062	Priya Chitkara ECE Department G.N.D.U. RC, JALANDHAR Punjab, India	Oral
7.	Carbon Nanomaterials in FET	ICSETI-T2-ECE-063	Deepika Sharma Deptt. Of ECE GNDU RC Jalandhar Punjab, India	Oral
8.	Design and Analysis Of CMOS 2:1 Multiplexer at 150 nm using Sleep	ICSETI-T2-ECE-076	Shamik Chakraborty Deptt. Of ECE CTIEMT Jalandhar	Oral
9.	Performance Analysis for IM of WDM-ROF System and Comparison of Signal Attenuation Through High Order Dispersion	ICSETI-T2-ECE-064	Naina Deptt. of ECE GNDU RC Jalandhar	Oral
10.	Performance Analysis of Second Order PMD Models on First Order PMD Compensator using 40GB/s VSB Data	ICSETI-T2-ECE-074	Geetika Deptt. of ECE Thapar University, Patiala, India	Oral
11.	Simulative Investigations to Mitigate the Kerr Effect in Hybrid WDM-COOFDM System using Optical Filter	ICSETI-T2-ECE-067	Akriti Gupta Deptt Of ECE GNDU Regional Campus, Jalandhar Punjab, India	Oral



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12.	Comparative Analysis of DWDM System using Different Modulation and Hybrid Compensation Technique at 40 Gbps in the Presence of Kerr's Effect	ICSETI-T2-ECE-068	Meenakshi Deptt.of ECE GNDU Regional Campus, Jalandhar Punjab, India	Oral
13.	Suppression of Four Wave Mixing Crosstalk using Optically Polarised Signals	ICSETI-T2-ECE-073	Harmandar Kaur Deptt.of ECE GNDU RC, Jalandhar Punjab	Oral
14.	Performance Analysis for PM of WDM-ROF System and Comparison of Signal Attenuation Through High Order Dispersion	ICSETI-T2-ECE-066	Naina Deptt. of ECE, GNDU, RC Jalandhar	Oral



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## Venue: VLSI Lab (CTIEMT)

### Track 2: Computer Science Engineering/Information Technology/Electronics & Communication Engineering

Day 1: (June 3, 2016)

Time: (2.00 PM -3.30 PM)

### Technical Session 2: (CLOUD COMPUTING/ DATA MINING/ SOFTWARE ENGINEERING)

#### Session Chair:

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	A Review: Advantages, Applications, Challenges and Security in Mobile Cloud Computing	ICSETI -T2-ECE-006	Manpreet kaur Amritsar College of Engineering and Technology Amritsar	Oral
2.	A Systematic Review on Regression Testing for Prioritizing Test Cases	ICSETI -T2-ECE-007	Saloni Ghai CT Institute of Technology & Research, Maqsudan Jalandhar,india	Oral
3.	A Multi-purpose Text Mining Approach to Evaluate Public Opinion over Social Data	ICSETI-T2-ECE-019	Jagbir Kaur Deptt.of CSE Yadavindra College of Engineering Talwandi Sabo Punjabi University	Oral
4.	A Review on Phylogenetic Tree Construction using Data Mining	ICSETI-T2-ECE-023	Pushpinder Kaur CSE Department Amritsar college of Engineering and Technology Amritsar,	Oral



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5.	An Analysis of Xonto-Apriori Association Rule Mining Algorithm for Recomendation System	<b>ICSETI-T2-ECE-026</b>	Narinder Kumar Dept. of Computer Science and Engineering CTITR Jalandhar,	<b>Oral</b>
6.	An Obligatory Analysis of Health Dataset using Data Mining Techniques	<b>ICSETI-T2-ECE-027</b>	Ravinder Kaur Dept. of CSE CTITR Jalandhar, India	<b>Oral</b>
7.	Evaluating Profit Generating Applications of Big Data in Retail Sector via Hadoop	<b>ICSETI-T2-ECE-035</b>	Gagandeep Jagdev Dept. of Computer Science Punjabi University Guru Kashi College Damdama Sahib (PB)	<b>Oral</b>
8.	Fog Computing: Future of Cloud Computing	<b>ICSETI-T2-ECE-047</b>	Tania Chaudhary Dept. of Computer science Guru Nanak Dev University, RC, Jalandha	<b>Oral</b>
9.	Techniques, Issues and Approaches for Load Balancing in Cloud Datacenter: A Review	<b>ICSETI-T2-ECE-054</b>	Sahil Sharma Deptt. of CSE Amritsar College of Engineering and Technology, Amritsar, Punjab	<b>Oral</b>
10.	Comparison of Various Enhancementsin K-means Clustering Algorithm	<b>ICSETI-T2-ECE-058</b>	Sandeep Kaur Deptt. of Computer Science Guru Nanak Dev University, RC Jalandhar	<b>Oral</b>



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11.	Securing Storage Infrastructure in Cloud Environment- A Survey	ICSETI-T2-ECE-059	Rubal Deptt. Of CSE GNDU, Regional Campus Jalandhar, India	Oral
12.	A Review on Multivariate Classification based Intrusion Detection System	ICSETI-T2-ECE-022	RamandeepKaur Yadavindra College of Engineering Punjabi University Guru Kashi Campus (bathinda) Punjab, India	Oral
13.	Secure Mechanism by using BB84 Protocol in Quantum Cryptography	ICSETI-T2-ECE-048	Babita Sekhri Computer Science and Engineering Guru Nanak Dev University, Regional Campus Jalandhar, India	Oral



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## Venue: Seminar Hall (CTIEMT)

### Track 2: Computer Science Engineering/Information Technology/Electronics & Communication Engineering

Day 2: (June 4, 2016)

Time:(11:30 AM -12.30 AM)

### Technical Session 1: (IMAGE/ MEDICAL/ SPEECH/ SIGNAL PROCESSING)

#### Session Chair:

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	An Innovative Advent for Content Based Ultrasound Image Retrieval using ANN	ICSETI -T2-ECE-003	Amanjot Kaur Deptt. of CSE GNDEC Ludhiana, India	Oral
2.	Interoperability in Healthcare: A Survey	ICSETI T2-ECE-004	Vaishali Deptt. of CSE Guru Nanak Dev Engineering College, Ludhiana, Punjab- India	Oral
3.	Comprehensive Study on Face Recognition System	ICSETI -T2-ECE-008	Gunjan Sethi Deptt. of CSE/IT CT Group of Institutions Jalandhar, Punja	Oral



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4.	Denoising Techniques in Medical Images: An Appraisal	ICSETI-T2-ECE-018	Ramanjyot Kaur Department of Computer Science & Engineering CT Group of Institutions, Shahpur, Jalandhar, Punjab, India	Oral
5.	Tissue Density Based CBIR System for Mammographic Images	ICSETI-T2-ECE-033	Karamvir Kaur Deptt. of IT GNDEC Ludhiana, India	Oral
6.	De-Noising of X-Ray Images using Multiscale Morphology	ICSETI-T2-ECE-075	Kuljeet Kaur Department of IT GNDEC Ludhiana	Oral
7.	A Survey on Double Talk Detection Based Acoustic Echo Cancellation	ICSETI-T2-ECE-025	Harkirat Kaur Punjabi University Patiala Punjab, India	Oral
8.	Device Control using Brain Computer Interface	ICSETI-T2-ECE-043	P. Neeraj CTITR Jalandhar, Punjab	Oral
9.	Performance Evaluation of ECG Signal Compression using Two Different Types of Decomposition	ICSETI-T2-ECE-072	Sharang Sabherwal Dept. of ECE G.N.D.U Regional Campus Jalandhar, India	Oral





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## Venue: VLSI Lab (CTIEMT)

### Track 1: Computer Science Engineering/Information Technology/Electronics & Communication Engineering

Day 2: (June 4, 2016)

Time: (11.30 AM -12.30 PM)

### Technical Session 2: (WIRELESS NETWORK & MOBILE COMPUTING)

#### Session Chair:

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	Simulation Based Performance Analysis of ICI Self Cancellation Schemes for OFDM Systems	ICSETI-T2-ECE-015	Vaishali Bahl Department of ECE CTIEMT Jalandhar	Oral
2.	A Review on Energy Detection Spectrum Sensing over Hyper-Rayleigh Fading Channels	ICSETI-T2-ECE-021	Pulkit Sharma Deptt. Of ECE Punjabi University Patiala	Oral
3.	Internet of Things Based Authentication Security Mechanism for the Healthcare Applications	ICSETI-T2-ECE-050	Kritika Chawla Department of ECE, CTIEMT Jalandhar	Oral
4.	Carbon Footprint Aware Data Inflow Manipulation Method for Energy	ICSETI-T2-ECE-051	Mamta Mahajan Department of ECE CTIEMT	Oral



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	Efficient Wireless BTS		Jalandhar Punjab, India	
5.	Improving QoS, Security by using MPLS & Mobile IP in VANET	ICSETI-T2-ECE-061	Gaganjeet Kaur Deptt. of CSE GNDU, Regional Campus Jalandhar, India	Oral
6.	Enhanced on Demand Energy Efficient Routing Algorithm in MANETs	ICSETI-T2-ECE-065	Kirandeep Kaur Deptt. Of CSE GNDU, Regional Campus Jalandhar,India	Oral
7.	Spectrum Sensing in Cognitive Radio	ICSETI-T2-ECE-078	Jasleen Kaur Deptt. of ECE DAVIET Jalandhar	Oral
8.	Comparative Analysis of Key Management Strategies in MANET	ICSETI-T2-ECE-060	Gurbax Kaur Deptt. of Computer Science GNDU, Regional Campus Jalandhar, India	Oral
9.	Black Hole and Cooperative Black Hole Attack in MANET-An Introduction	ICSETI-T2-ECE-030	Manpreet Kaur Department of ECE ACET, Amritsar	Oral
10.	IoT : Revolutionizing of Industrial World	ICSETI-T2-ECE-053	Neena Madan Dept. of Computer Science GNDU RC Jalandhar, India	Oral
11.	Cooperative Spectrum Sensing in Mobile Communication	ICSETI-T2-ECE-017	Kulwinder Deptt of ECE	Oral



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## Venue: Reception Hall (Auditorium)

**Track 2: Computer Science Engineering/Information Technology/Electronics & Communication Engineering**

**Day 1 & 2 : (June 3 & 4, 2016)**

**Time: (9:00AM-5:30PM)**

### Technical Session 1: (Poster Presentation)

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	Challenges Before Traditional Media in the Age of Digital Media	ICSETI -T2-ECE-009	Seema Arora CTIHS Shahpur	Poster
2.	Security Issues on Cloud Computing	ICSETI-T2-ECE-016	Anju Department of Computer Application CTIHS, Jalandhar	Poster
3.	Artificial Intelligence and Human Thinking	ICSETI-T2-ECE-028	Parul Mohindru Deptt. of CSE & IT CT Institutions Jalandhar	Poster
4.	Comparative Analysis of Software Testing	ICSETI-T2-ECE-031	Pooja CTIEMT Jalandhar,Punjab	Poster



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5.	Solving Santa Fe Trail Ant Problem using MOEA framework	ICSETI-T2-ECE-034	Parneet Aulakh CTIEMT Jalandhar, India	Poster
6.	Elitism Based Genetic Algorithm for Vehicle Routing Problem with Time Window	ICSETI-T2-ECE-042	Virat Rehani CTIMIT Jalandhar	Poster
7.	Different Techniques used in Cloud Computing and its Applications	ICSETI-T2-ECE-044	Aditi CT Group of Institutions Jalandhar, Punjab, India	Poster
8.	Efficient Algorithms for Sorting and Comparison	ICSETI-T2-ECE-056	Ritu Saini CTIHS	Poster
9.	Clustering Techniques for Data Mining in Large Databases	ICSETI-T2-ECE-071	Pooja Rana Deptt. of Computer Applications CTIEMT Punjab, India	Poster
10.	Techniques of Spectral Clustering: A Review	ICSETI-T2-ECE-040	Lovepreet Kaur Dept. of CSE GNDU Regional Campus, Jalandhar	Poster
11.	Web Server: Traffic Load and Performance Calculation	ICSETI-T2-ECE-070	Ajay Kumar Department of CA CTIEMT, Jalandhar (Pb)	Poster
12.	Cryptography: Security of Secret	ICSETI-T2-ECE-	Reetu	



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	Messages: A Research Review	012	Deptt. of Mathematics Punjabi University, Patiala	Poster
13.	Image Fusion Techniques and Applications	ICSETI-T2-ECE-032	Rajwinder Kaur Department of CSE CTIEMT, Jalandhar	Poster
14.	A Study on Speech Recognition System	ICSETI-T2-ECE-079	Puneet Thapar Deptt. Of CSE CTIEMT, Jalandhar	Poster
15.	Electronic & Interactive Technologies for Autism: A Review	ICSETI-T2-ECE-080	Lakhwinder Kaur Department of CSE CT Group of Institutions	Poster
16.	Power Consumption of Mobile Wireless Sensor Networks with Different UTI	ICSETI- T2-ECE-001	Jatinder Pal Singh Department of ECE CT Institutions Jalandhar Punjab, India	Poster
17.	Power Consumption Analysis of Static Wireless Sensor Networks with FRT	ICSETI-T2-ECE-039	Jatinder Pal Singh Department of ECE CT Institutions Jalandhar Punjab, India	Poster
18.	Layered Division Multiplexing: An Approach for Next Generation Communication System	ICSETI-T2-ECE-052	Monika Rani ECE Deptt Anand College of Engineering & Management Kapurthala	Poster
19.	Optimized Balanced Energy Efficient Multi-hop Protocol in	ICSETI-T2-ECE-	Ankur Chauhan Department of CSE	Poster



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	Wireless Sensor Network	069	CTIEMT, Jalandhar	
20.	An Approach to Improve localization in WSN using Mobile Anchor Node	ICSETI-T2-ECE-038	Manpreet Singh CTIT Jalandhar(Punjab)	Poster
21.	Simulation Tools for WSN: A Review	ICSETI-T2-ECE-046	Dalveer Kaur Department of CSE LPU, Phagwara, Punjab	Poster
22.	Study of Various Security Issues and Challenges of WSN to Design Secure Wireless Sensor Networks	ICSETI-T2-ECE-057	Rupinder Kaur Deptt. of CSE/IT CTIEMT, Shahpur	Poster
23.	Recent Trends in Mobile Wireless Communication Networks (3G to 5G Technologies) & its Research Issues and Challenges	ICSETI-T2-ECE-014	Heena Dept. of Computer Science & IT Lyallpur Khalsa College Jalandhar	Poster