



Yashu Singh Charitable Trust's (Regd.)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai*)

Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore#

Programmes Accredited by National Board of Accreditation (NBA), New Delhi**

*Permanent Affiliated UG Programmes : • Computer Engineering • Electronics & Telecommunication Engineering • Information Technology (w.e.f.A.Y.2015-16)

• Electronics Engineering (w.e.f.A.Y.2017-18)

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1st cycle of Accreditation : • *A* Grade for 5 years (w.e.f.30-10-2017)

A - Block, Thakur Educational Campus,
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Kandivali (East), Mumbai - 400 101.

Tel.: 6730 8000 / 8106 / 8107

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Email : tcet@thakureducation.org

Website : www.tcetmumbai.in • www.thakureducation.org



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REPORT

Date: 13/03/2019

International Conference on Trends in Electronics & Communication - 2019

- **Conference Dates:** 22nd & 23rd February, 2019
- **Conference Venue:** Thakur College of Engineering & Technology, Kandivali (E), Mumbai-400101, Maharashtra, India
- **About the Conference:**

International Conference on Trends in Electronics & Communication – 2019 was an event of Thakur College of Engineering & Technology (TCET), Mumbai under MULTICON-W 2019. The objective was to bring together researchers, engineers, and scholar students to exchange and share their experiences, new ideas, and research results about all aspects in the field of Electronics engineering and communication. IC-TELCON provided a platform to researchers and practitioners from both academia as well as industry to meet and share cutting-edge development in the field and it aimed to provide an opportune forum and vibrant platform for Researchers.

The tracks of the conference included:

1. *Communication, Antenna & Microwave Engineering (CAME)*
2. *Signal Processing & Applications (SPA)*
3. *Electronic Components, Devices and VLSI (ED&V)*
4. *Robotics Automation & Embedded Systems (RA & ES)*

I. **Keynote Addresses:**

IC-TELCON 2019 encompassed one keynote address on Day 1 (22nd February, 2019)

Day 1, Keynote Address:

Topic: Innovative Artificial Intelligence Approaches for Medical Image Analysis

Speaker: Dr. D. Jude Hemanth, Associate Professor, Department of ECE, Karunya University, Coimbatore, India.

No. of Participants: 40

Overview: The key highlights of the talk was use of artificial intelligence and neural networks for diagnosis of human critical diseases. These methods will aid doctors in early diagnostics of any medical emergency. He also discussed use of mathematics in modeling of methods for brain image analysis showing various images of similar appearance but having different diseases. He discussed about how to derive the equations used for medical applications and innovative



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research. As he is a member of editorial board of various reputed journals working as a reviewer, he also provided inputs for paper writing from editor's point of view for selection in reputed international journal. He also channelized researchers to prioritize their work for doing research.

II. Resource Person Feedback:

1. **Dr. D. Jude Hemanth:** Excellent Conference.
2. **Mr. Shekhar Bandhavkar:** Well organized event and value adding topics.
3. **Dr. Uday Pandit Khot:** Innovative ideas presented in few of the papers of TELCON 19.
4. **Dr. Surendra Bhosale:** Papers of UG students are more innovative and matching pace of industry.
5. **Dr. N. K. Rana:** Very nice and well organized conference.

III. Conference Participation Details:

Paper Details	TCET	External	Total
Total Papers Received:	84	56	140
Total Papers Registered:	43	29	72
Total Papers Scheduled:	77	29	106
Total Papers Presented out of Scheduled:	30	17	47
% Presentation out of registered:	70%	59%	65%

IV. Conference Evaluation Details:

After a thorough evaluation of papers presented, the session chairs identified the following papers as the most contributive papers:

• **Details of Most Contributive Internal Papers (Final-year students) identified by Session Chairs:**

Sr. No.	Paper ID	Paper Title	Author Names	Strength	Session Chairs
1	38	Pick-N-Place Robotic Vehicle Using Microcontroller 8051	Yash Shah Shalini Rai	Looks to be a nice concept, team also has good clarity about the work being done.	Dr. Surendra Bhosale
2	27	GPS Based Health Monitoring System for Animals	Akshay Prabhu Yash Patel Rahul Kumar Jha	Overall good work and team looks confident of their skills.	Dr. N. K. Rana
3	68	Ground Controller Assistance Using ADSB Data	Ninad Mehendale	Good concept. It will be good if implemented practically.	Dr. N. K. Rana
4	20	System for water supply and Identification of leakage	Kaushal Tiwari Ravishek Singh Satyam Srivastava	Good idea	Mr. Shekhar Bandhavkar
5	31	Implementation of Or Gate using Verilog for e-learning	Rohit Anchan Paramjeet Singh Ajay Jaiswar	Good idea, could answer all questions, showing the team has good knowledge	Mr. Shekhar Bandhavkar
6	149	RGB Colour Segregation	Rahul Patil Archit Jhunjhunwala Aditya Singh Krishndutt Shirodkar Naman Shah	Good idea	Dr. N. K. Rana
7	46	Design and Development of Multipurpose Robot	Yash Gupta Roma Dhar Kalpana Sharma Rupali Mane	Good presentation and work done is impressive	Dr. Surendra Bhosale
8	32	Implementation of Emergency Service Drone	Priyal Pandya Rishabh Maurya Yash Bhatnagar Ishwar Jha Amit Kumar	Good idea	Dr. Surendra Bhosale
9	19	Intellisense Food Dispenser (IFD)	Hari Khatavkar Rahul Kini Suyash Pandey	Good team work and presentation	Dr. Surendra Bhosale
10	41	Implementation of Automatic Speech Emotion Recognition System using Convolution Neural Network	Bhumika Sharma Aasman Patel Anamika Pandey	Good idea	Dr. Sujata Kale

• **Details of Most Contributive Papers Identified by Session Chairs:**

Sr. No.	Paper ID	Paper Title	Author Names	Affiliation	Strength	Session Chairs
1	95	Quad-band Annular-Ring antenna with Defective Ground Structure for calling Tablet	Mahesh Munde Anil Nandgaonkar Shankar Deosarkar	St. Xaviers Technical Institute, Dr. Babasaheb Ambedkar Technological University	Impressive work	Dr. N. K. Rana
2	128	Analysis of Optimization Techniques to Check Effectiveness in Error Concealment on Video Coding	Ansari Vaqar Ahmed Khot Uday Pandit	St. Francis Institute of Technology	Good results	Dr. Sujata Kale
3	35	An Efficient PAPR reduction technique in OFDM	Moodita Jadhav Ashwini Naik	Ramrao Adik Institute of Technology	Impressive work	Dr. N. K. Rana
4	131	Techniques for Estimating Vocal Tract Shape for Speech Training Aids	Shilpa Chaman	St. Francis Institute of Technology	Impressive work	Dr. N. K. Rana

• **Scope of Improvement in Paper Preparations and Presentations:**

The goal of the conference is to create a world-class forum for discussing cutting edge research, and directions for new innovations and technology. To accomplish the goal in paper presentations by internal students, following improvements are suggested:

1. More experimental results should be added to the paper rather than just a survey or a review.
2. Several papers encompass only the proposed methodology – its implementation is not included in the paper. A high-quality paper demands showing results and its discussion.
3. More articles should be referred while preparing the paper and hence more references should be cited and listed.

V. Feedback Survey:

• **Findings from the survey:**

The survey conducted on Day 1 and Day 2 shows that proper conduct of the conference. Some of the major appreciations include:

- 1) Well management and organization of the conference.

- 2) The contributions of session chairs are extremely valuable.
- 3) Excellent knowledge sharing platform.
- 4) Keynote address was very good, but it was domain specific. Different domain keynotes should be arranged and audience should be segregated as per their domain choice.
- 5) Motivational speech during inauguration.
- 6) Nicely organized event. Was impressed with the passion of the faculty in giving their best to the students and society – Mr. Satish Bharatham, L&T Ltd, Powai.

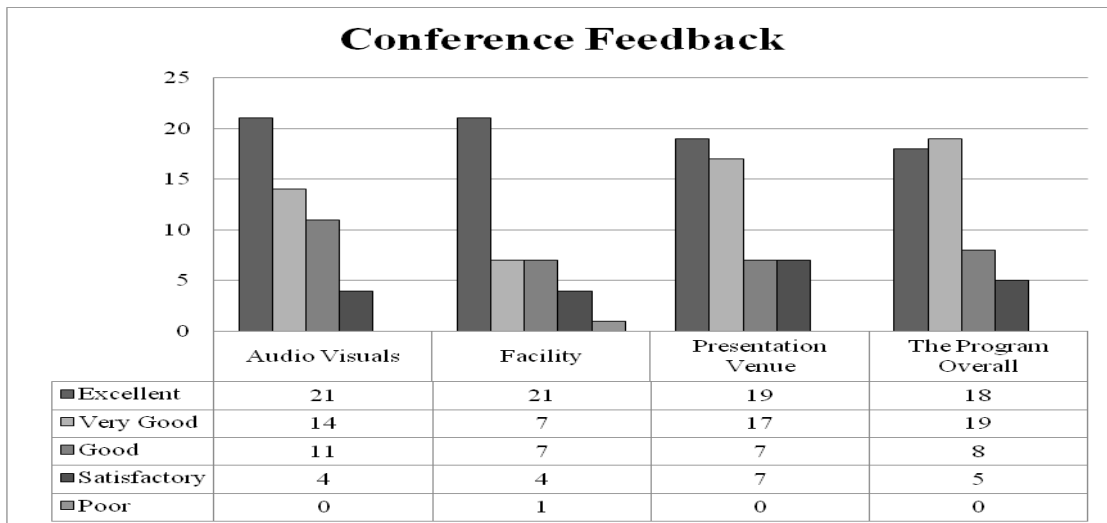
• **Recommendations:**

- 1) Concepts are very good, but hardware efforts are not made.
- 2) Some papers had very basic presentation topics. Application and implementation based explanation is needed.
- 3) Certificates should be provided to all members of group who pay full registration fees (with no additional cost).
- 4) Conference fees should be decreased.

• **Feedback**

Rated very high with the following notes from the delegates:

1. Excellent Coverage, Good Technical Presentation
2. Great hospitality and excellent transportation arrangement
3. State-of-art infrastructure, proper venue management and guidance
4. Cooperative staff members, Conducive environment
5. Good Affiliation for the Proceedings publication





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Session Chairs for Presentation:

Externals:

1. Dr. Sujata Kale (Associate Professor, Dept of Applied Electronics Sant Gadge Baba Amravati University)
2. Dr. D. Jude Hemanth (Associate Professor, Department of ECE, Karunya University, Coimbatore, India.)
3. Dr. Surendra Bhosale (Associate Professor, Dept of Electrical, Electronics and Electronics & Telecommunication, VJTI)
4. Dr. N. K. Rana (Principal, Theem College of Engg.)
5. Dr. Uday Pandit Khot (Professor Electronics and Telecommunication Engineering Department, St. Francis Institute of Technology, Mumbai)
6. Mr. Shekhar Bandhavkar (Director, Track RF Link Pvt Ltd)

Internals:

1. Dr. Vinitkumar J. Dongre (Convener, HOD, EXTC)
2. Dr. S. C. Patil (Jt. Convener, Dy. HOD, ETRX)
3. Mr. Sanjeev Ghosh (Dy HOD, EXTC)
4. Mr. Hemant Kasturiwale (Assoc. Prof, ETRX)
5. Dr. Payel Saha (Associate Professor, EXTC)
6. Dr. Sangeeta Mishra (Associate Professor, EXTC)

Key arrangements

1. Venue arrangement :

- i. Paper presentation: B 109 and B 110 (1st Floor)
- ii. SE/TE Presentations: B 107 and B 108 (1st Floor)
- iii. IETE and IEEE Workshops: 115, 106 and 118 (1st Floor)
- iv. Inaugural function: Auditorium (2nd Floor)
- v. Keynote and Valedictory function: New Seminar Hall – IV (4th Floor)
- vi. Food arrangement: TSAP, Multipurpose Hall

2. Registration kit – Registration desk

Kit Distributed

Full Kit (Big) : 12

Full Kit (Small) : 17

Events Attendance

Participation		Participants / Delegates		
Sr. No.	Event	Day 1	Day 2	Day 1 + Day 2



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1	Key Note address	40	-	40
2	Inaugural & Valedictory Function	40	20	60

Conference Statistics:

Papers Received	140
Total Paper Registered	72
Total Paper Presented	47
Total Authors	208
Camera Ready Copy	29

Sr. No	Conference Particulars	No. of Papers Presented	No. of Students Attended	Consolidated Percentage
1.	SPA (Venue 109)	8/8	8	100%
2.	ED&V (Venue 110)	7/9	14	77.78%
3.	SE, TE, BE (unregistered): In-House Technical Paper Presentation (107),	5/22	21	22.73%
4.	Scilab Workshop (IETE – Venue 115)	-	14/14	100%
6	Virtual Reality and Python Workshop (IEEE – Venue 106)	-	29/32	90.63%

Two Days Presentation Details:

1. Total Papers Received: 140 (208 Authors)
2. Total Papers Scheduled: 106/140 (75.72%)
3. Total Papers Registered: 72/106 (68%)

Day 1: 22nd February 2019

Day 2: 23rd February 2019

Sr. No	Conference Particulars	No. of Papers Presented	No. of Students Attended	Consolidated Percentage
1.	CAME (Venue 109)	12/17	14	70.6%
2.	RA&ES (Venue 110)	11/15	21	73.33%
3.	SE, TE, BE (unregistered): In-House Technical Paper Presentation (107),	4/30	34	13.33%
4.	Scilab Workshop (IETE – Venue 115)	-	14/14	100%
5	IOT and Embedded System 1 day Workshop (IEEE – Venue 118)	-	32/32	100%
6	Virtual Reality and Python Workshop (IEEE – Venue 106)	-	30/32	93.75%



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Day 1 + Day 2 (Consolidated)

Sr. No	Conference Particulars	No. of Papers Presented	No. of Students Attended	Consolidated Percentage
1.	SPA, CAME (Venue 109)	20/25	22	80%
2.	ED&V, RA&ES (Venue 110)	18/24	35	75%
3.	SE, TE, BE (unregistered): In-House Technical Paper Presentation (107),	9/52	55	17.31%
4.	Scilab Workshop (IETE – Venue 115)	-	14/14	100%
5.	IOT and Embedded System Workshop (IEEE – Venue 118)	-	32/32	100%
6.	Virtual Reality and Python Workshop (IEEE – Venue 106)	-	30/32	93.75%

VI. SWOC Analysis:

1.	Strength	<ol style="list-style-type: none"> 1. Conference organized jointly by Electronics and Electronics Telecommunication department with Paper presentations along with three workshops for SE and TE students. 2. McGraw Hill Association 3. Association with reputed journals like: <ol style="list-style-type: none"> a) World Journal of Engineering and Technology (Web Of Science) b) International Journal of Electronics, Communications, and Measurement Engineering(IJECME) c) Communications and Network Journal (Web Of Science) d) Journal of Emerging Technologies and Innovative Research (JETIR) e) IOSR Journal of Engineering f) High performance computing area will be published, Azerbaijan Journal of High Performance Computing (AzJHPC) g) International Journal of Engineering and Technologies SciPress with 20-30% updation for selected papers 4. Single Platform offering wide variety of Event available for participant to choose from. 5. Personalization of quality service, learning atmosphere and food to provide the ultimate satisfaction. 6. Location is very much flexible. 7. Creative team with impressive list of technical experience of team. 8. Strong and varied advisory board. 9. Highly Qualified Staff Members for managing the conference. 10. Significant experience working together 11. Cross disciplinary approach.
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		<p>12. Good contacts in teaching and industry, hence we have a very good pool of experts.</p> <p>13. Excellent Infrastructure</p> <p>14. In house publication</p> <p>15. Large number of publicity database.</p>
2.	Weakness	<p>16. Quality of technical papers at initial stage</p> <p>17. Abstracts not getting converted to papers</p> <p>18. Response from outside India is less</p> <p>19. High startup and event management cost increases publication fees</p> <p>20. 58.5% internal and 41.4% external papers out of total papers</p> <p>21. Less no. of Ph.D. and M. E. papers</p> <p>22. Parallel activities of internal students</p>
3.	Opportunities	<p>1. Publicity can be started 6-8 months in advance to get good papers so that authors get good time to do research</p> <p>2. Listing this event would boost our branding with various institutes all over the world</p> <p>3. Ability for attracting more external from various states of India and world</p> <p>4. This event would offer the platform for academic, research and practitioner community to promote and share the research ideas to drive "Make in India"</p> <p>5. Add more people from outside India in the conference committee</p>
4.	Challenges	<p>1. Growing number of conferences by nearby institutes</p> <p>2. Less participation from external delegates and industry experts</p> <p>3. Less sponsorship offered by external institutions</p> <p>4. International bodies are reluctant for the affiliation, mainly due to quality of papers</p> <p>5. Detecting and correcting plagiarized papers</p> <p>6. Involvement of alumni's and stake holders</p>

Prepared By:

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Checked By:

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Mr. Sanjeev Gosh (EXTC)

**(Co-Convenor – IC
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Proposed By:

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Dr. S.C. Patil (ETRX)

(Convenor – IC TELCON19)

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Dr. B.K. Mishra

**(Dean SSW and Technical Chair –
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**(Vice-Principal and Program
Co-Chair - IC TELCON19)**

**(Principal & Program Chair -
IC TELCON19)**