



2nd International Conference

“2019-Women Institute of Technology Conference on Electrical and Computer Engineering”

(WITCON ECE)

Schedule Day-1 Inaugural Session

Date: 22 Nov, 2019

Venue: Seminar Hall, Women Institute of Technology, (UTU Campus), Dehradun

Guest of Honour:

1. Dr. J. Ramkumar, Convener, Award and recognition committee, IEEE UP Section & Professor, IIT Kanpur
2. Prof. Akhtar Kalam, Professor & Discipline Leader, Engineering. Head of External Engagement & Leader – Smart Energy Research Unit, Victoria University, Melbourne, Australia
3. Dr. Vinod Kumar Shukla, Associate Professor, Department of Engineering and Architecture, Amity University, Dubai, UAE
4. Dr. S.N.Singh, India Council Chairman & Vice-Chancellor, MMM University of Technology Gorakhpur
5. **Chief Patrons:** Prof. Narendra S. Chaudhari, Vice-Chancellor, Uttarakhand Technical University, Dehradun

Chief Guest: Dr. Prem Vrat, Pro-Chancellor, NorthCap University, Gurugram, Founder-Director, IIT Roorkee;

Conference General Chair(s): Dr. Alaknanda Ashok, Director, Women Institute of Technology, Dehradun

9am-10:15am	Registration and Tea
10:30am-10:45am	Inaugural Ceremony : <ul style="list-style-type: none">• Invocation and Welcome of Guests & Delegates• Taking seats all Dignitaries at Dias• Ganesh Vandana and Lamp lighting• Welcome bouquet & badges to the Chief Guest, Guest of Honour and other Dignitaries
10:45am-11:45am	<ul style="list-style-type: none">• Welcome address and briefing about the Conference by Conference General Chair(s)- Dr. Alaknanda Ashok• Address by Chief Honour- Dr. S. N. Singh

	<ul style="list-style-type: none"> • Address by Chief Patrons - Prof. Narendra S. Chaudhari • Address by Guest of Guest - Dr. PremVrat
11:45pm-11:50pm	Inauguration of Conference Proceeding by dignitaries
11:55pm	Vote of Thanks – Mr. Krishan Chandra Mishra
11:55pm-12pm	National Anthem
12pm-12:15pm	Break
12:15am-1:00pm	(1) Address by Key Note Speaker - Prof. Akhtar Kalam (2) Address by Key Note Speaker - Dr. Vinod Kumar Shukla
1pm-2pm	Lunch
2pm-2:20pm	(3) Address by Key Note Speaker - Dr. J. Ramkumar

Technical Session – (Parallel Session-I-Oral Presentation) Electrical Engineering

Time: 02.00 PM – 4:30PM

22 Nov, 2019

Venue : Room No-111

Session Chair: Mrs. Sonia Garg & Dr. Om Veer Singh

Student Volunteers : (1)

(2)

S.No.	Paper ID	Paper Title	Author Name
1.	1	Bad data processing for Power System by Binary Particle Swarm Optimization	Amit Kumar and Sachin Gaur
2.	21	OPTIMUM TAP POSITION OF 400 KV TRANSFORMER IN RAJASTHAN POWER SYSTEM	Parul Mishra, Dr. Mahaveer Prasad Sharma, Tushar Agarwal and Bhavesh Vyas
3.	41	Design of Millimeter-Wave Spectrum Microstrip Patch Antenna Array for 5G Wireless system	Sandeep Pandey and Lalit Garia
4.	42	Verilog-A Modeling of Junction-less MOSFET in Sub- Threshold Regime for Ultra Low-Power Application	Mitul Sen, Ardhendu Gatait, Sounak Ghosh, Manash Chanda, Swarnil Roy and Papia Debnath
5.	62	MAXIMISING SOLAR CELL EFFICIENCY WITH PERC TECHNOLOGY	Manish Kashyap and Monika Gairola

6.	71	Design, Simulation and Comparative Analysis of Different Types of Solar Charge Controllers for Optimized Efficiency	Ashita Victor, Dharmendra Kumar Mahato, Amit Pundir and Geetika Jain Saxena
7.	80	Torque Density Improvement in Transverse Flux Machine using Disc Rotor	Balaganesh Boomiraja and Ragavan Kanagaraj
8.	139	DESIGN & SIMULATION OF A COMPACT UWB MICROSTRIP FILTENNA	Reeta Verma and R.P.S. Gangwar
4:30pm-5:00pm		High Tea	

Technical Session – (Parallel Session-II-Oral Presentation) Electronics and Communication Engineering

Time: 02.00 PM – 4:30PM

22 Nov, 2019

Venue : Seminar Hall

Session Chair: Dr. Kamal Kumar Sharma

Student Volunteers: (1)

(2)

S.No.	Paper ID	Paper Title	Author Name
1.	20	Dual Band Circularly Polarized Antenna for Ka Band Applications	Sumer Singh Singhwai, Binod Kumar Kanaujia, Ajit Singh and Jugul Kishor
2.	24	Energy-Saving Sensors for Precision Agriculture in Wireless Sensor Network: A Review	Sanjay Kumar, Naveen Kumar and Dr. Rakesh Kumar Saini
3.	31	COMPACT BROADBAND MICROSTRIP ANTENNA WITH DGS FOR WIRELESS APPLICATIONS	Bharat Pant, R.P.S Gangwar and ReetaVerma
4.	53	Multiresolution analysis based sparse dictionary learning for remotely sensed image retrieval	Rizwan Ahmed, Avnish Yadav and Adithya Aryasomayajula
5.	68	Advanced Portable ECG Simulator: Product Development & Validation	Abhranila Das, Chirasree Roychaudhuri and Indranil Das

6.	86	Certain issues related to usage of Real-Time Digital Simulator for a Voltage Source Inverter	Naresh B
7.	110	Handoff decision algorithm in WiFi zone using Fuzzy Logic	Siddharth Goutam and Srija Unnikrishnan
8.	111	Design and Implementation of low power 4×4/8×8 2D-DTT architecture for image and video compression	Sushanta Gogoi and Rangababu Peesapati
9.	117	A Dipole Antenna Design Based on Semicylindrical Shaped Substrate For Sub-THz Frequencies	Paikhomba Loktongbam, Debashish Pal and Chaitali Koley
10.	119	Design and Performance Evaluation of Differential Ring Oscillators for Cognitive Radio Receiver	Gaurav Kumar Sharma, Arun Kishor Johar, Tangudu Bharat Kumar, Deepak Gupta, Jai Kumar Bhatt and Dharmendar Boolchandani
11.	120	Design and Simulation of Look Ahead Carry Adder for Optical Computing	Amrindra Pal, Aditya Pratap, Simran Aneja, Vivek Kumar Srivastava and Sandeep Sharma
12.	136	Correlation between Work Function and Silicon Thickness of Double Gate Junctionless Field Effect Transistor	Vishal Narula and Dr. Mohit Agarwal
4:30pm-5:00pm		High Tea	

Technical Session – (Parallel Session-III-Oral Presentation)

Computer Science and Engineering

Time: 02.00 PM – 4:30PM

22 Nov, 2019

Venue : Room No-104

Session Chair: Dr. Vinay Rishiwal

Student Volunteers: (1)

(2)

S.No.	Paper ID	Paper Title	Author Name
1.	75	Smart Industrial Supply Chain Management and Prediction System	Shruti Hegde, Mridula Singhal and Rajasekar Mohan

2.	102	Extreme Learning Machine Approach for Prediction of Forest Fires using Topographical and Meteorological Data of Vietnam	Bhupesh Kumar Singh, Nikhilesh Kumar and PratimaTewari
3.	103	Climate Based Factor Analysis and Epidemiology Prediction for Potato Late Blight Using Machine Learning Approaches	Bhupesh Kumar Singh, R. P. Singh, Pratima Tewari and Nikhilesh Kumar
4.	109	Bounds on the Identification number of the direct product of a torus and a path	Neeta Shinde and Balu Waphare
5.	115	A Hybrid Approach for Effective Image Deduplication Using PCA, SPIHT and Compressive Sensing	Jyoti Saini and Rekha Rani
6.	116	EPILEPTIC SEIZURE PREDICTIONS THROUGH SMART WEARABLES USING MACHINE LEARNING APPROACH	Prabhsimar Kaur, Dr. Vishal Bharti and Dr. Srabanti Maji
4:30pm-5:00pm		High Tea	

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