

Geetha Shishu Shikshana Sangha (R)



GSSS Institute of Engineering and Technology For Women

(Affiliated to VTU Belagavi, Approved by AICTE-New Delhi & Govt. of Karnataka)

Accredited Branches by NBA, New Delhi UG - ECE,CSE,ISE,IT,TE (Validity: 01.07.2017 - 30.06.2020)

MYSURU- 570 016 | KARNATAKA | INDIA

<http://geethashishu.in/>



ICEECOT

13th-14th December 2019

Mysuru | Karnataka | India

4th International Conference on
Electrical, Electronics, Communication, Computer
Technologies and Optimization Techniques
13 - 14, December 2019, <http://iceeccot.geethashishu.in/>

Under IQAC

Call for Papers

Organized by



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About GSSSIETW, Mysuru

GSSS Institute of Engineering and Technology for Women, Mysuru is an initiative and outcome of Late Prof. B S Pandit, former Physics Professor from SJCE, Mysuru with a vision to provide quality technical education to girls. The institution was established in the year 2003 reflecting the ideals of its founder and seeks to achieve excellence as an academic institution with advanced research. Five Engineering branches ECE, CSE, ISE, TE and IT are accredited for three years by NBA, New Delhi, (Validity: 01-07-2017 to 30-06-2020). The institute offers 6 B.E Programs, 2 M.Tech Programs and MBA all affiliated to VTU, Belagavi. The institution has professional forums like IEEE, IETE, ISTE, ISOI and CSI. The College also offers Ph.D., programs in E&C, CS&E, E&IE, Mathematics, Chemistry and MBA Departments. The institute has successfully organized 3 IEEE International Conferences ICEECOT in the years 2016, 2017 & 2018. Students have secured 15 University ranks and 3 gold medals over the years.

Accreditations & Achievements

- Five UG programs of GSSSIETW have been accredited under NBA, New Delhi for 3 years.
- Institution is in the Process of National Assessment and accreditation council (NAAC)
- QS I-GAUGE "Silver College Rating" given by QS-ERA India Pvt. Ltd.
- Recognized as a host institute by MSME, Govt. of India, New Delhi, supporting entrepreneurial and managerial development of SMEs through incubator
- National Instruments has certified GSSSIETW as official LabVIEW Academy School.
- GSSSIETW has established Institution Innovation Cell (IIC) as per the Norms of Innovation Council Ministry of HRD, Govt of India.
- "Best Accredited Student Branch Award" by Computer Society of India for the year 2016 & 2017.
- A grand felicitation of the finest Educational institutions of Karnataka. The Hindu Group felicitated the educationists on a common platform titled "The DOYENS-Guardians of Knowledge" award in 2017.

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- Ranked 9th position among "Top-20 Emerging Engineering colleges in India", in annual survey conducted by Higher Education Review Magazine -2016.
- Bagged 10th Rank in "Top-10 Emerging Engineering Colleges 2014", by Higher Education Review Magazine.
- "Outstanding Women Institute of IT in Karnataka" from National Karnataka Education Summit & Awards 2014.
- Secured 48th Position in top 100 Private Engineering colleges in India, as surveyed by one of the esteemed newspaper The New Indian Express.

About ICEECCOT 2019

ICEECCOT conference series is regarded as one of the premier events of its kind worldwide. Every edition of ICEECCOT series received Quality research papers/proposals from the scientific, research and academic communities from different parts of the world. ICEECCOT 2019 will be held at Mysuru, India, the cultural capital of the Karnataka state, (popular for many educational, commercial, administrative centers and heritage monuments) and is well connected by road, rail and air. The ICEECCOT 2019 offers a platform for researchers and Engineers from different backgrounds to present and discuss their latest research ideas, results, potential applications and possible road ahead broadly in the areas of Electronics, Communication, Electrical Engineering and interdisciplinary areas of Control Engineering, Robotics, Internet, Network Security and Cloud Technologies and others. The vision of ICEECCOT-2019 is to promote advance communication among researchers and practitioners working in a wide variety of the above areas in Engineering and Technology. ICEECCOT-2019 is technically sponsored by the IEEE, USA (IEEE Conference record #46775) and IEEE Bangalore Section. Potential number of participants will gather at ICEECCOT to present their research results, share visions and ideas, obtain updates on latest technologies and expand professional and social networking.

Call for Papers

Prospective authors are encouraged to submit high quality research papers for presentation at the Conference. The papers should be submitted in IEEE A4 MS Word Format not exceeding 6 pages and will undergo plagiarism check. Papers will be peer reviewed by domain experts of respective tracks from the Technical program committee. Authors should submit the papers through online submission at <http://iceccot.geethashishu.in/> on or before 30th September, 2019

Important dates

Last date for Submission of Full Papers
September 30, 2019
Notification of Acceptance
October 10, 2019
Submission of Camera Ready Papers
and Registration deadline
October 15, 2019
Conference Dates
December 13- 14, 2019

Registration Fee

Indian Authors	IEEE Members	Non-IEEE Members
Industry/Academic / Research Scholar	INR-6500/-	INR-7500/-
Graduate/ PG Students	INR-6000/-	INR-7000/-
Foreign Authors	IEEE Members	Non-IEEE Members
Industry/Academic / Research Scholar	\$100	\$150
Graduate/ PG Students	\$100	\$150

Publication and Indexing

The proceedings of ICECCOT-2019 will be forwarded to be included in IEEE Xplore, the digital library of IEEE. The Proceedings of ICECCOT 2019 will be submitted to be indexed in SCOPUS



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Keynote Speakers



ICEECCOT
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Sri. Vishnu Pendyala,
CISCO, USA.



ICEECCOT
9th - 10th December 2016
Mysuru | Karnataka | India

Dr. K M Sunjiv Soyjaudh
University of Mauritius
Mauritius



ICEECCOT
15th - 16th December 2017
Mysuru | Karnataka | India

Dr. Chin Kuan Ho
Multimedia University,
Malaysia



ICEECCOT
15th - 16th December 2017
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Dr. Mestetskiy Leonid
Moscow State University,
Russia.



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Dr. Archil Maysuradz
Moscow State University,
Russia



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Dr. Shubhalaxmi Kher
Arkansas State University, USA



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Dr. Teo Yong Meng
National University of Singapore
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Dr. Bhanu Prakash K N
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Bangladesh



Colombia



Ecuador



India



Iran



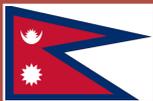
Italy



Malaysia



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Nepal



Singapore



South Korea



Taiwan



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United Arab
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A Quick look of the Previous Editions of ICEECCOT



ICEECCOT Participants Feedback



ICEECCOT was planned perfectly and executed. I was greatly supported by the organizing committee for timely guidance at all stages of the conference. Personally I got good exposure with conference.

Dr. Byung-Jae Choi
Professor, Daegu University, Korea



I would like to thank the Organizing committee for appreciating our research work and presenting us the best presenter award. Follow up work regarding intimation about conference through emails and website was excellent

Dr. Padarbinda Samal
KIIT Deemed to be University, Odisha, India



"The efforts made by organizing committee were appreciable in all the aspects. Excellent Conference. The technical content of the conference was awesome"

Gino Alvarado
Universidad Politécnica Salesiana
Guayaquil, Ecuador



ICEECCOT, a high quality, well-organized conference with solid content in presentations in good scale with perfect settings, affordability, and the opportunity for interaction during the session.

Dr. Geeta H
PDA Engineering College, Kalaburgi, India.



It was overwhelmed with hospitality and Keynote addresses. It was wonderful experience during my first visit to India.

Montree Kumngern
King Mongkut's Institute of Technology,
Bangkok, Thailand.

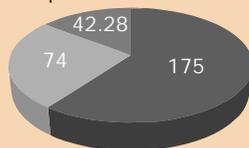


The time allotted for presentations was generous, promoting thoughtful Q & A, discussions and a deeper appreciation of our work. Hospitality made me feel so welcoming. All around it was very rewarding

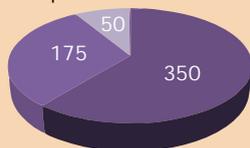
Ms. Keerthana B. Chigateri
NMAMIT, Nitte, Udupi, India

Statistics

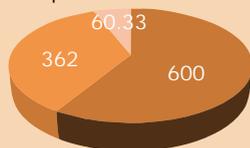
ICEECCOT 2016
175 Manuscripts Received
74 Manuscripts Accepted
Acceptance Ratio: 42.28



ICEECCOT 2017
350 Manuscripts Received
175 Manuscripts Accepted
Acceptance Ratio: 50



ICEECCOT 2018
600 Manuscripts Received
362 Manuscripts Accepted
Acceptance Ratio: 60.33



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ICEECCOT

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Geetha Shishu Shikshana Sangha (R)

GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN

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Accredited Branches by NBA, New Delhi; UG - ECE , CSE,ISE,TE & IT (Validity: 01.07.2017 - 30.06.2020)

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INVITATION



“ICEECCOT-2019”

Cordially Invites you to the
4th International Conference on Electrical, Electronics,
Communication, Computer Technologies
and Optimization Techniques

13th & 14th December 2019

To,



Geetha Shishu Shikshana Sangha (R)
**GSSS INSTITUTE OF ENGINEERING &
TECHNOLOGY FOR WOMEN**

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**The faculty, staff and students of GSSSIETW Cordially
invite you for the Inaugural function of**

“ICEECCOT-2019”

**4th International Conference on Electrical, Electronics,
Communication, Computer Technologies
and Optimization Techniques**

On Friday, 13th December 2019 at 9.30 AM

Chief Guest

Dr. Sudhakar Rao

Technical Fellow, Research Technology & Engineering Division
Northrop Grumman Aerospace Systems, USA

Guest of Honour

Prof. Silvia Liberata Ullo

Professor, Engineering Department, University of Sannio, Italy.

Presided By

Dr. Jagannatha Shenoi M

President, GSSS(R), Mysuru

Gracing the Occasion

Smt. Vanaja B Pandit

Hon. Secretary, GSSS(R), Mysuru

Smt. Anupama B Pandit

Administrative officer
GSSSIETW, Mysuru

Dr. Shivakumar M

Principal
GSSSIETW, Mysuru

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Dr. Parameshachari B D

Publication Chair, ICEECCOT-2019
Prof. & Head, Dept. of TCE, GSSSIETW

Dr. Reshma Banu

Organizing Chair, ICEECCOT-2019
Prof. & Head, Dept. of ISE, GSSSIETW

Venue : Seminar Hall, GSSSIETW, Mysuru.



Geetha Shishu Shikshana Sangha (R)
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**4th International Conference on Electrical, Electronics,
Communication, Computer Technologies
and Optimization Techniques**

“ICEECCOT-2019”

**The faculty, staff and students of GSSSIETW Cordially invite you
for the Keynote Address By**

Dr. G G Senaratne,

Chairman & Professor,
Graduate Institute of Science and Management (GISM), Sri Lanka

Dr. B K Murthy

Senior Director (Scientist G) & Group Coordinator (R&D in IT)
Ministry of Electronics and IT
Government of India, New Delhi

Presided By

Dr. Jagannatha Shenoi M

President, GSSS(R), Mysuru

Gracing the Occasion

Smt. Vanaja B Pandit

Hon. Secretary, GSSS(R), Mysuru

Smt. Anupama B Pandit

Administrative officer
GSSSIETW, Mysuru

Dr. Shivakumar M

Principal
GSSSIETW, Mysuru

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Board Member & CEO,
GSSS (R), Mysuru

Dr. Parameshachari B D

Publication Chair, ICEECCOT-2019
Prof. & Head, Dept. of TCE, GSSSIETW

Dr. Reshma Banu

Organizing Chair, ICEECCOT-2019
Prof. & Head, Dept. of ISE, GSSSIETW

Date : 14.12.2019

at 9.30 AM

Venue: Seminar Hall

GSSSIETW, Mysuru.

Geetha Shishu Shikshana Sangha (R)

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4th International Conference on Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques ICEECCOT-2019

Invocation	Ms. Nagalakshmi. T. S, Asst. Professor, Dept. of EIE	[3 Min]
Welcome Address	Dr. Shivakumar. M, Principal, GSSSIETW General chair, ICEECCOT-2019	[3 Min]
Lighting the Lamp	By the Dignitaries.	[3 Min]
About the Institution	Smt. Anupama B. Pandit Administrative Officer, GSSSIETW, Mysuru	[3 Min]
About the conference	Dr. Parameshchari B. D, Professor and Head, Dept. of TCE. Publication Chair, ICEECCOT-2019	[3Min]
Releasing of the Proceedings	By the Dignitaries	[3 Min]
Introduction of Chief Guest Dr. Sudhakar Rao	Mr. Anand. M, Asst. Professor, Dept. of ISE	[2 Min]
Honoring the chief guest	By Dr. M. Jagannatha Shenoi, President, GSSS (R), Mysuru	[2 Min]
Inaugural Address	Dr. Sudhakar Rao Technical Fellow, Research Technology & Engineering Division, Northrop Grumman Aerospace Systems, USA	[5 Min]
Introduction of Guest of Honour Prof. Silvia Liberata Ullo	Latha. M, Asst. Professor, Dept. of TCE	[2 Min]
Honouring the Guest of Honour	By Smt. Vanaja B Pandit, Hon. Secretary, GSSS(R), Mysuru	[2 Min]
Address by Guest of Honour	Prof. Silvia Liberata Ullo, Professor, Engineering Department, University of Sannio, Italy.	[5 Min]
Video Message by	Ms. Susan K. Kathy Land, 2020 IEEE President, USA Dr. K M Sunjiv Soyjaudah, Professor, University of Mauritius Dr. Wanyang Dai, Distinguished Professor, Nanjing University, China	[6 Min]
Address by Hon Secretary, GSSS(R)	Smt. Vanaja B Pandit, Hon Secretary, GSSS (R), Mysuru	[3 Min]
Presidential Address	Dr. M. Jagannatha Shenoi, President, GSSS(R), Mysuru	[3 Min]
Vote of Thanks	Dr. Reshma Banu, Professor and Head, Dept of ISE, Organizing Chair, ICEECCOT-2019.	[3 Min]
National Anthem		[3 Min]
Group Photo		
Keynote Address by	Dr. Sudhakar Rao, Technical Fellow, Research Technology & Engineering Division, Northrop Grumman Aerospace Systems, USA	[20 Min]
	Prof. Silvia Liberata Ullo, Professor, Engineering Department, University of Sannio, Italy.	[20 Min]

Master of Ceremony: Smt. Manjula. G, Associate Professor, Dept. of Telecommunication Engg.

Venue: Seminar Hall

Date: 13/12/2019

Time: 10:00 A.M

Geetha Shishu Shikshana Sangha (R)
GSSS Institute of Engineering & Technology for Women

KRS Road, Metagalli, Mysore – 570 016

(Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi & Government of Karnataka)

GSSSIETW/Approval/2018-19/127

Date: 05/03/2019

Proposal to the Management

Subject	Approval to organize International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT – 2018) Coordinator Certificate Distribution ceremony for the staff of GSSSIETW on 9 th March 2019.
Proposed by	HOD-TCE & ISE
Matter	Received letter to organize ICEECCOT – 2018 Coordinator Certificate Distribution ceremony for the staff of GSSSIETW on 9 th March 2019. The expenditure to organize the event will be Rs. 4800/- and this expenditure will be met through ICEECCOT 2018 amount (available balance amount is Rs. 17,46,592/-) Request letter is enclosed for kind reference and for kind approval.
Recommendation of Principal	I recommend the proposal submitted by HODs of TCE and ISE departments to organize certificate distribution ceremony for the coordinators of ICEECCOT-2018 on 9/3/2019.

5/3/19
REGISTRAR

GSSSIETW, MYSURU-570016

Principal
GSSSIETW Mysore-16

Decision of the Management

Date: 5/3/19

Decision	ok approved
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5/3/19
CEO

Hon. Secretary



Geetha Shishu Shikshana Sangha (R)
GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN

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To,
The Principal,
GSSSIETW,
Mysuru.

Date: 29-1-2020

Respected Sir,

Sub: Details of expenses incurred towards Fourth International Conference ICEECCOT-2019

With reference to the above subject, International conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2019) organized on 13th and 14th December 2019. We are herewith enclosed bills for the expenses incurred towards the same, for your kind perusal.

Particulars		Amount in Rs	Amount in Rs
Total Amount Received through Participants	Cash and DD	Rs 8,25,744.89/-	Rs. 8,25,744.89/-
Amount received from the seed money	Cash	Rs.35,326.57/-	Rs.35,326.57/-
Total amount received for the conduction of ICEECCOT-2019			Rs.8,61,071.46/-
Total Expenses	Cash Expenses	Rs.2,00,476/-	Rs. 8,61,071.46/-
	NEFT Payment	Rs. 6,60,595.46/-	

Santhi
13/2/2020

BRM
29.01.2020
(Dr. Parameshachari B D)
(Publication Chair)
ICEECCOT-2019

29.01.2020
(Dr. Reshma Banu)
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ICEECCOT-2019

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4th International Conference on Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques
(ICEECOT-2019) 13-14 December 2019

Session 1: Signal/Image Processing

Date: 13th Dec 2019		Room No: A 201			
SL NO	TIME	PAPER ID	AUTHORS	TITLE	Signature
1	11:30-11:50	76	SOUHAN SARBAS C. H.	DEBLURRING OF LOW LIGHT IMAGES USING LIGHT-STREAK AND DARK CHANNEL	
2	11:50-12:10	99	Thimmaraja Yadava G, H S Jayanna	Automatic Kannada Speech Recognition System under Degraded Conditions	
3	12:10-12:30	126	Seema Singh, Pavithra R, Roshini SR, Ramya R, Sushma V	Facial Recognition using Machine Learning Alogorithm on Raspberry Pi	
4	12:30- 12:50	132	SHASHI KIRAN S, SURESH K V	High Resolution Image Reconstruction via Dictionary Learning in Sparse Environment	
5	12:50-1:10	74	Krishnapriya P and Dr. Vinod Kumar V	Detection of glioma from brain MRI through adaptive segmentation and runlength of centralized patterns	
LUNCH BREAK					
6	2:00-2:20	91	MOHAMMED SHUAIB IQBAL, SUJATHA B.C.	Multiple contingency analysis for optimal placement and estimate the value of SVC for power liss reduction employing Particle Swarm Optimization.	
7	2:20-2:40	56	Pramila Arulanthu and Eswaran Perumal	Predicting the Chronic Kidney Disease using Various Classifiers	

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(ICEECCOT-2019) 13-14 December 2019

Session 2: VLSI/Embedded Systems

Date: 13th Dec 2019

Room No: A 202

1	11:30-11:50	62	Gautam Moni Patro, Pasumarthi Mallikarjuna Rao	AN APPROACH FOR DESIGN OF SPACE VECTOR PWM INVERTER	Signature
2	11:50-12:10	64	Dr. Ajay	Normally-OFF Recessed Gate Junctionless MOSFET for Radio Frequency Applications	<i>Gautam P</i>
3	12:10-12:30	82	Archana H.R, C.R. Byra Reddy, Narendra C P	Performance Analysis of FPGA Based Modified Adaptive Median Filter (M-AMF) Design for Medical Applications	<i>Archana</i>
4	12:30- 12:50	89	P VIMALA, MANJUNATH BASSAPURI, KRISHNA MAHESHWARI	Characteristics Improvement of Silicon Nanowire Field Effect Transistor by using High-K Oxide Engineering	<i>Archana</i>
5	12:50-1:10	102	LIKHITHASHREE R, DIVYA KIRAN	Design of Power-Efficient Ring Oscillator based Physically Unclonable Functions for FPGA	<i>Krishna</i>
LUNCH BREAK					
6	2.00-2:20	144	Sendil Murugan M, Pradeep Kumar B, Ananda C M, Lakshminarayanan G	Design Approach for FPGA based High Bandwidth Fibre Channel Analyser for Aerospace Application	<i>M. Sendil</i>
7	2:20-2:40	159	Akshatha Venkatesh, Priyanka Karanth M N, Kaveri Talawar	An efficient FPGA based reconfigurable architecture for object detection using Adaptive Threshold	<i>M. N. Priyanka</i>
8	2:40-3:00	219	J. Vijay Fidelis, Dr. E. Karthikeyan	Player Management in Soccer Using Particle Swarm Optimisation	<i>J. Vijay</i> 13/12/19

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Session 3: Power Electronics / Electrical Engineering

Date: 13th Dec 2019

Room No: A 203

SL	TIME	PAPER ID	AUTHORS	TITLE	Signature
1	11:30-11:50	16	Pratap Ranjan Mohanty	Complex Network Theory For The Analysis of Power Grid Vulnerability	
2	11:50-12:10	27	Ravi Saxena	Simulation and Analysis of Switched Reluctance Motor Drives for Electric Vehicle Applications using MATLAB	
3	12:10-12:30	50	Jirobe Deepika, B C Sujatha, S. Pretpal Singh	A Novel Design of Three-Phase to Thirteen-Phase power converting Transformer	
4	12:30- 12:50	52	Naveen M R, T S Prasanna	Simulation of Hybrid Power System with UPFC for Power Flow and Voltage Regulation	
5	12:50-1:10	61	Neelakanteswara Reddy Tamanampudi, Venkata Rao Basam, Mallikarjuna Rao Pasumarthi	A new method for multi-loop control tuning of high power PM-BLDC motor drive	
LUNCH BREAK					
6	2.00-2:20	85	Sarvesha Y V, Swati Narula	Analytical modeling and designing of SMPMSM for Electric bike application	
7	2:20-2:40	93	Arup Ratan Bhowmik, Ajoy Kumar Chakraborty, Siddhartha Mukherjee	Probabilistic Load Flow Based Optimal Sizing and Placement of DG and DSTATCOM Using Chaotic Lightning Search Algorithm	

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Session 4: Power Electronics / Electrical Engineering					
Date: 13th Dec 2019				Room No: A206	
SL NO	TIME	PAPER ID	AUTHORS	TITLE	Signature
1	11:30-11:50	53	Noorunnissa Begum, Mahadevi Biradar, Mruttanjaya Aspalli	Design & Simulation of PID Control Based Low Power Voltage Controlled SC-Buck Converter Eliminating Startup Voltage Stress Issues	<i>Noor</i>
2	11:50-12:10	57	Arup Ratan Bhowmik, Diptanu Dey, Siddhartha Mukherjee	Analysis of Surface Plasmonic Nanoparticles Embedded in Silver Substrates for Enhancing Efficiency of Solar Cell	<i>Siddhartha Mukherjee</i>
3	12:10-12:30	127	SACHIN R, Swarnalatha Srinivas, H.B. Nagesh	A Study of Space Vector Pulse Width Modulation for Capacitor DC link Voltage Unbalancing Effect in Voltage Source Converter	<i>Sachin R</i>
4	12:30- 12:50	134	Deepthi R M, Saritha M and Sidram M H	Design and Performance Analysis of Three Phase Solar-PV Grid Integrated DSTATCOM	<i>Deepthi</i>
5	12:50-1:10	143	Shyam Padmanabhan, R.S. Geetha	Mathematical Modeling of Compensator for Power Factor Correction Converters	<i>Shyam</i>
LUNCH BREAK					
6	2.00-2:20	211	Arup Ratan Bhowmik, Siddhartha Mukherjee	Harmonic Mitigation using Shunt Active Power Filter Under Various loading conditions	<i>Siddhartha Mukherjee</i>
7	2:20-2:40	215	K.Y.PRASAD, GURURAJ S PUNEKAR	Electric Fields due to A 500 kV Quadruple Circuit Transmission Line: Some Aspects Concerning Public Exposure	<i>K.Y. Prasad</i>

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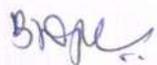
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(ICECCOT-2019) 13-14 December 2019

Session 5: Power Electronics / Electrical Engineering

Date: 13th Dec 2019

Room No: A 103

SL NO	TIME	PAPER ID	AUTHORS	TITLE	Signature
1	11:30-11:50	236	Mukthanjali G V C , Dr P Meena	Investigations on IGBT Failures for a Solar Pump Variable Frequency Drive Application	Mukthanjali
2	11:50-12:10	3	Yi-fan Qian, Bo Du, Zhi-feng Ye, Hai-bo Zhang	Simulation on Transient Electromagnetic Influence of Lightning Strike for Turboprop Engine	Yi-fan
3	12:10-12:30	59	Shweta kadam , Bhoopesh chaudhry	Discrimination of Inrush Current at Inconsistent Saturation Level and Fault Current Using Wavelet Transform Technique	Shweta kadam
4	12:30- 12:50	101	PRAKASH V. PARANDE, Dr. M.K.BANGA	Evolutionary Computing Assisted Heterogenous Ensemble Model for Web-of-Service Software Reusability Prediction	Prakash V.
5	12:50-1:10	51	Sumukh Surya & Vineeth Patil	Cuk Converter as an Efficient Driver for LED	Sumukh
LUNCH BREAK					
6	2.00-2:20	86	Harsha S, Khalid Nazim S A, Mohammad Mahmood Ootom, Fayeze Al Fayeze	Unmanned Network based Intelligent Soldier	Harsha
7	2:20-2:40	103	Vishwaraj B Manur, Layak Ali	MMSE Based Compressed Sensing Algorithms for Channel Estimation in VLC	Vishwaraj B.
8	2:40-3:00	198	Dr. Lokesh Krishna K	Analysis and Simulation of Single Tail and Double Tail Circuits	Lokesh K.


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(ICEECCOT-2019) 13-14 December 2019

Session 6: Communication/Computer Networks

Date: 13th Dec 2019

Room No: A106

SL	TIME	PAPER ID	AUTHORS	TITLE	Signature
1	11:30-11:50	33	T.KISHORE BABU,GURUPRAKASH C D	MULTI-KEYWORD TEXT SEARCH WITH MERKLE HASH TREE FOR PRIVACY PRESERVATION OVER THE	<i>Kishore Babu</i>
2	11:50-12:10	55	Neelu Kasat, Dileep Dharmappa, F B Singh and B N Ramakrishna	Static coordinate estimation techniques based on satellite navigation system	<i>Neelu</i> 13/12
3	12:10-12:30	84	RANJITH J, MAHANTESH K	Privacy and Security issues in Smart Health Care	<i>R</i> 13/12
4	12:30- 12:50	163	Simran Barnwal, Yun-Sung Choi, Dongwoo Kim	Stochastic Optimization of Throughput of Cognitive Radio Network with Multiple Primary Users	<i>Simran</i> 13/12/19
5	12:50-1:10	212	Sutapa Sarkar, Muralishankar R and Sanjeev Gurugopinath	Enhanced Performance of Generalized Energy Based Spectrum Sensing with Adaptive Threshold	<i>Sarkar</i> 13/12/2019
LUNCH BREAK					
6	2.00-2:20	214	Abhilash S, Fateyh Bahadur Singh, Dileep Dharmappa and B N Ramakrishna	Indoor Environment Monitoring System (IEMS) with temperature control enabled for NAVIC ground systems	<i>Abhilash</i> 13/12/2019
7	2:20-2:40	202	Dr. Hanifa Abdullah	Analyzing the technological challenges of Governance, Risk and Compliance (GRC)	<i>Dr. Hanifa Abdullah</i>

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4th International Conference on Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques
(ICEECCOT-2019) 13-14 December 2019

Session 7: Signal Processing and Data Processing

Date: 14th Dec 2019

Room No: A 201

SL NO	TIME	PAPER ID	AUTHORS	TITLE	Signature
	11:30-11:50	20	Gino Alvarado, Gabriela Kukan	Hearth Detection System Using Coherence Function on python for Tachycardia and Bradycardia	Gino Ar
1	11:50-12:10	95	Jaimin Shah, Raj Patel	Classification techniques for Disease detection using Big-data	Jaimin Shah
3	12:10-12:30	118	Rohan Akut, Harshal Vakhariya	Testing the effectiveness of statistical features for binary and ternary epilepsy classification	Harshal
4	12:30-12:50	195	Noor Basha, Dr Ashok Kumar P S, Gopal Krishna C, Venkatesh P	Early Detection of Heart Syndrome using Machine Learning Technique	Noor
5	12:50-1:10	154	Dr. ZAR ZAR LINN, Dr. PUSHPA B. PATIL	PART OF SPEECH TAGGING FOR KAYAH LANGUAGE USING HIDDEN MARKOV MODEL	Zar Zar Linn 13.12.19
LUNCH BREAK					
6	2:00-2:20	100	THIMMARAJA YADAVA G, VINAY H C, NAYANA T R, H S JAYANNA, LAVANYA P, ASWINI D, GARIMA SINGH	Speech Enhancement and Encoding using SS-VAD and LPC	H S Jayanna
7	2:20-2:40	105	Anjli Verghese, Sowmya M C, Veena Karjigi	Vowel Formant Transformation Techniques for Dysarthric Speech	Sowmya .M. C

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4th International Conference on Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques
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Session 8: Cloud Computing/Internet of Things

Date: 14th Dec 2019

Room No: A 202

SL NO	TIME	PAPER ID	AUTHORS	TITLE	Signature
1	11:30-11:50	10	Mani Deep Karumanchi, Dr. J. I. Sheeba, S. Pradeep Devaneyan	Cloud Based Supply Chain Management System Using Blockchain	<i>Mani Deep</i>
2	11:50-12:10	12	Dr.Ammisetty Veeraswamy, Ammisetty Mahesh Babu	Classification of High Dimensional Data Using Filtration Attribute Evaluation Feature Selection Method of Data	<i>A. Veerappa</i>
3	12:10-12:30	47	Kimmi Kumari , M Mrunalini , Manish Kumar , Viswanath Talasila , Pradipkumar Dixit	Design Model for Energy Trading on Blockchain	<i>Kimmi Kumari</i>
4	12:30- 12:50	58	Mayuri Mahajan,Prachi Kakade,Purva Sawant,Viplava Kurhade,Shila Pawar	Detection of Phishing Website Using Machine Learning Approach	<i>Harini</i>
5	12:50-1:10	123	Gopi Manoj Vuyyuru	KLP's Search Algorithm - A New Approach to Reduce the Average Search Time in Binary Search	<i>Gopinang</i>
LUNCH BREAK					
6	2.00-2:20	124	Mallika Chand, Shreya Mulchandani, Sulalah Mirkar	Visually Impaired Friendly E-Commerce Website	<i>Mallika</i>

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4th international Conference on Electrical, Electronics, Communication, Computer Technologies & Optimization Techniques
(ICEECCOT-2019) 13-14 December 2019

Session 9: Cloud Computing/Internet of Things

Date: 14th Dec 2019

Room No: A 203

SL	TIME	PAPER ID	AUTHORS	TITLE	Signature
1	11:30-11:50	210	Prakash Kumar Yadu,Usha Srinivasan,Sreelal Sreedhar	Validation Technique for on board safety critical control law software for an aero engine	Prakash
2	11:50-12:10	234	Samkit Mody, Sulalah Mirkar	SMART ROUND ROBIN CPU SCHEDULING ALGORITHM FOR OPERATING SYSTEMS	Samkit Mody
3	12:10-12:30	21	MAHANTESH K, SHUBHA RAO A	Content based Image Retrieval - Inspired by Computer Vision & Deep Learning Techniques	A. Shashikere
4	12:30- 12:50	167	Kuwunidi Goteng, Gital Abdulsalam Ya'u, Saleh Mustapha Waziri,Badamasi Jaafar, Nahuru Ado Sabon Gari, Ismail Zahraddeen Yakubu	Deep Learning for Detecting Ransomware in Edge Computing Devices Based on Autoencoder Classifier.	Goteng
5	12:50-1:10	171	Bharath Ravi Prakash, Megha S, Niharika S R and Megha M G	Super Smart Home Automation using Internet of Things	Bharath
LUNCH BREAK					
6	2.00-2:20	87	Fatima Umar Zambuk, Abdulsalam Ya'u Gital, Souley Boukary, Fatsuma Jauro, Dr. Haruna Chiroma	Evaluation of Iterative Pagerank Algorithm for Web Page Ranking	Fatima

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(ICEECCOT-2019) 13-14 December 2019

Session 10: Signal Processing

Date: 14th Dec 2019

Room No: A 103

SL NO	TIME	PAPER ID	AUTHORS	TITLE	Signature
1	11:30-11:50	45	Roopa M J, Dr. Mahantesh K	An impact of frequency domain filtering technique on text localization method useful for text reading from scene images	Roopa.M.J.
2	11:50-12:10	192	Syed Shameem	Design of MEMS based Capacitive Pressure Sensor to Monitor the Respiratory Conditions of Patients	Syed Shameem
3	12:10-12:30	65	Akshatha S Raj, C M Maheshan	Artificial Bee Colony algorithm based interpretation of dissolved gas analysis.	Akshatha S
4	12:30- 12:50	193	Puneet Kumar, Vikash Kumar Dubey, Md. Imran Hossain Showrov	A Comparative Analysis on Various Extreme Multi-Label Classification Algorithms	Puneet Kumar
5	12:50-1:10	175	N.Gayathri, Dr.K.Mahesh	An Efficient Video Indexing and Retrieval Algorithm Using Ensemble Classifier	Gayathri

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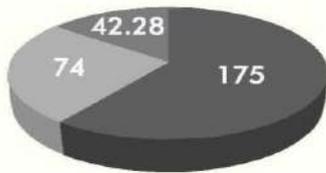
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IEEE INTERNATIONAL CONFERENCE On Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT)

Statistics

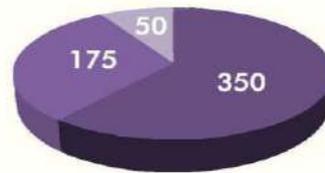
ICEECCOT 2016

175 Manuscripts Received
74 Manuscripts Accepted
Acceptance Ratio: 42.28



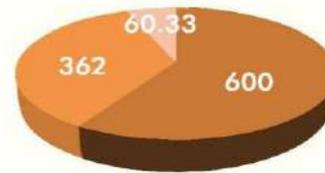
ICEECCOT 2017

350 Manuscripts Received
175 Manuscripts Accepted
Acceptance Ratio: 50



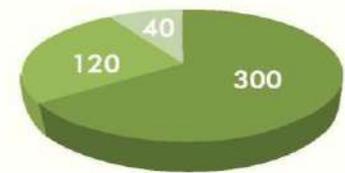
ICEECCOT 2018

600 Manuscripts Received
362 Manuscripts Accepted
Acceptance Ratio: 60.33



ICEECCOT 2019

300 Manuscripts Received
120 Manuscripts Accepted
Acceptance Ratio: 40



Countries Participated in IEEE ICEECCOT



India



Colombia



Ecuador



Bangladesh



Iran



Italy



Malaysia



Mauritius



Nigeria



Nepal



Singapore



South Korea



Taiwan



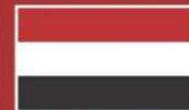
Thailand



United Arab
Emirates



USA



Yemen



South Africa

Keynote Speakers of ICEECCOT-2016-2019

ICEECCOT-2016



Sri. Vishnu Pendyala,
CISCO, USA.



Dr. K M Sunjiv Soyjaudh
University of Mauritius
Mauritius

ICEECCOT-2017



Dr. Chin Kuan Ho
Multimedia University,
Malaysia



Dr. Mestetskiy Leonid
Moscow State University,
Russia.



Dr. Archil Maysurodz
Moscow State University,
Russia

ICEECCOT-2018



Dr. Shubhalaxmi Kher
Arkansas State University, USA



Dr. Bharu Prakash K N
Agency for Science, Technology &
Research (A*STAR), Singapore



Dr. Teo Yong Meng
National University of Singapore
Singapore

ICEECCOT-2019



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Technical Fellow, Research
Technology & Engineering Division
Northrop Grumman Aerospace
Systems, USA



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Professor, Engineering
Department,
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Dr. G G Senaratne,
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Graduate Institute of
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(GISM), Sri Lanka



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Senior Director (Scientist
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ICEECCOT-19



13th-14th
December 2019



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(Validity: 01.07.2017 - 30.06.2020)

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Mysuru-570 016 | Karnataka | India



This is to appreciate Dr./Prof./Mr./Ms.

In recognition and sincere appreciation for the **REVIEW** made during 4th IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques-(ICEECCOT), organized by GSSS Institute of Engineering & Technology for Women, Mysuru in association with IEEE Bangalore Section on 13th - 14th December 2019.

Dr. Parameshachari B D

Publication Chair, ICEECCOT-2019

Professor & Head,
Dept. of TCE

Dr. Reshma Banu

Organizing Chair, ICEECCOT-2019

Professor & Head,
Dept. of ISE.

Dr. Shivakumar M

General Chair, ICEECCOT-2019

Principal
GSSSIETW, Mysuru

ICEECCOT 2019

4th International Conference on Electrical, Electronics, Communication,
Computer Technologies and Optimization Techniques

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has Participated/Presented Paper titled

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in the 4th IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2019), organized by GSSS Institute of Engineering & Technology for Women, Mysuru in association with IEEE Bangalore Section on 13th & 14th December 2019.

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ICEECCOT 2019

4th International Conference on Electrical, Electronics, Communication,
Computer Technologies and Optimization Techniques



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This is to appreciate

Dr. Parameshchhari B D

In recognition and sincere appreciation for being an **PUBLICATION CHAIR** in the 4th IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques-(ICEECCOT), organized by GSSS Institute of Engineering & Technology for Women, Mysuru in association with IEEE Bangalore Section on 13th - 14th December 2019.

Prof. Silvia Liberata Ullo

Professor,
Engineering Department
University of Sannio, Italy

Dr. G G Senaratne

Chairman
Graduate Institute of Science and
Management (GISM), Sri Lanka

Dr. Shivakumar M

General Chair, ICEECCOT-2019
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Smt. Vanaja B Pandit

Honorary Secretary
GSSS (R), Mysuru

ICEECCOT 2019

4th International Conference on Electrical, Electronics, Communication,
Computer Technologies and Optimization Techniques



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IEEE
BANGALORE SECTION



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_____ has been awarded as the “**Best Paper Presenter**” for the paper entitled

.....
in the 4th IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2019) organized by GSSS Institute of Engineering & Technology for Women, Mysuru in association with IEEE Bangalore Section on 13th & 14th December 2019.

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ICEECCOT 2019

4th International Conference on Electrical, Electronics, Communication,
Computer Technologies and Optimization Techniques



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PRESS REPORT

4th IEEE INTERNATIONAL CONFERENCE

on

**Electrical, Electronics, Communication, Computer and Optimization
Techniques (ICEECCOT-2019)**

13th & 14th December 2019



(From left) **Dr. Parameshachari B D**, Publication Chair, Professor & Head, Dept. of TCE , GSSSIETW, Mysuru, **Dr. Shivakumar M**, General Chair and Principal, GSSSIETW, Mysuru, **Sri Bharath R K**, Board Member & CEO, GSSS(R), Mysuru, **Dr. Sudhakar Rao**, Technical Fellow, Research Technology & Engineering Division, Northrop Grumman Aerospace Systems, USA, **Prof. Silvia Liberata Ullo**, Professor, Engineering Department, University of Sannio, Italy, **Smt. Vanaja B Pandit**, Hon. Secretary, GSSS(R), Mysuru, **Smt. Anupama B Pandit**, Administrative Officer, GSSSIETW, Mysuru and **Dr. Reshma Banu**, Organizing Chair, Professor & Head, Dept. of ISE, GSSSIETW, Mysuru.



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Dignitaries released the ICEECCOT-2019 proceedings

GSSS Institute of Engineering & Technology for Women, Mysuru has organized 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2019) on 13th and 14th December 2019 in association with IEEE Bangalore Section.

The Inaugural function was held on Friday 13th December 2019. **Dr. Sudhakar Rao**, Technical Fellow, Research Technology & Engineering Division, Northrop Grumman Aerospace Systems, USA, was the Chief Guest of the inaugural function. In his inaugural speech, he emphasised the importance of engineering innovation and said that innovation comes with lot of knowledge, experience and hard work. Innovation should not be an extension rather it should focus towards the right direction. He also lauded GSSSIETW for being the first premier Women Engineering College in the state of Karnataka and also appreciated the efforts of GSSSIETW for organizing this conference for the fourth time.



Geetha Shishu Shikshana Sangha (R) **GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN**

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Prof. Silvia Liberata Ullo, Professor, Engineering Department, University of Sannio, Italy was the Guest of honor. She emphasised that, women has to upgrade themselves to the recent technologies in all fields of Engineering. She also highlighted that India has produced more number of engineering graduates by providing valuable education over the years.



Dr. Sudhakar Rao, Technical Fellow, Research Technology & Engineering Division, Northrop Grumman Aerospace Systems, USA, addressing the gathering.

The Inaugural function was be presided by **Smt. Vanaja B Pandit**, *Hon. Secretary, GSSS(R), Mysuru*, **Sri. R. K Bharath**, Management Committee Member & CEO GSSS(R), **Smt. Anupama B Pandit** Administrative Officer, GSSSIETW, all Managing Committee Members, **Dr. Shivakumar M** Principal, GSSSIETW, Publication Chair **Dr. Parameshachari B D**, Professor & Head, Dept. of TCE and Organizing Chair **Dr. Reshma Banu**, Professor & Head, Dept. of ISE, HOD's all the departments were present on the occasion.

ICEECCOT-2019 has received scholarly submissions from all over the and also from premier institutions like IITs and NITs in India with session chairs from various parts of Telangana, Karnataka and Tamil Nadu. This conference offers a platform for Researchers and Engineers from different backgrounds to present and discuss their latest research ideas. The proceedings of the conference will be published in IEEE Xplore Digital Library.