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### Conference Convener

Dr. Chintalapudi V Suresh,

Professor, Department of EEE

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2. Dr.R.Eswaraiah, HOD-CSE

3. Dr. A. Kalavathi, HOD-IT

4. Dr.M.Y.Bhanu Murthy, HOD-ECE

### Organizing Committee

Staff of EEE, ECE, CSE & IT departments

### Plagiarism policy

- Authors are requested to kindly refrain from plagiarism in any form.
- Manuscript found to be plagiarized during any stage of review more than 20% shall be rejected.
- As per copyright transfer agreement, authors are deemed to be individually and collectively responsible for the content of manuscripts published by them.
- Hence, it is the responsibility of each author to strive for the highest ethical standards with respect to plagiarism.

### Important dates

Full paper submission	10-07-2020
Notification of acceptance	12-07-2020
Camera ready submission	16-07-2020
Date of conference	20 <sup>th</sup> ,21 <sup>th</sup> -07-2020

### About the college

Vasireddy Venkatadri Institute of Technology (VVIT) was established in the year 2007, with an intake of 240 students in four B. Tech programs under Social Educational Trust in Nambur village, Guntur, AP, by Er. Vasireddy Vidya Sagar. In a short span of ten years, with an annual intake capacity of 1260 students into B.Tech (CE, EEE, ME, ECE, CSE, IT, AI&DS, AI&ML, IoT, Cyber Security including Blockchain Technology) and 90 students into M. Tech (CSE, VLSI&ES, PEED, MD, SE) programmes respectively, today almost 4130 students, 304 teaching staff and 250 non-teaching staff strive to fulfil the vision of VVIT.

Centre of Excellence (CoE) by Siemens India was established in the year 2016 under MoU with APSSDC, AP to promote Industry Institute interface and strengthen employability skills in students. It is the youngest Engineering College in the state to achieve this recognition. MoUs with Google Inc. USA for establishing Google Code labs, University Innovative Fellowship (UIF) program by Stanford University USA and Venture Development Centre established by Northeastern University. Students are encouraged to become members in professional bodies like CSI, IEEE, IE(I), ISTE, ASME, ASCE etc. and organize seminars, workshops, colloquies in the college.

On achieving permanent affiliation to JNTUK, Kakinada, NAAC 'A' grade certification (CGPA 3.09) and all B. Tech programmes are accredited by NBA. Realizing the slogan that "Everyone Counts," VVIT has the unique achievement of having placed most its students in MNCs like Tech Mahindra, Infosys, TCS, Wipro, Athena Health Care, Open Text, etc.

## All India Council for Technical Education, New Delhi



Sponsored

Two day National e-Conference on  
Electrical, Electronics and  
Computing Systems in Engineering  
(EECSE-2020)

(Application of Power Electronics in  
Renewable Energy Systems and  
Electrical Drives using IoT)

20<sup>th</sup> & 21<sup>th</sup> July, 2020

Organized by

EEE, ECE, CSE & IT Departments



(Autonomous)

NAAC Accredited with A Grade,  
All UG Programmes are Accredited by NBA  
& Permanently Affiliated to JNTU Kakinada  
Vasireddy Venkatadri Institute of Technology  
Nambur(V), Pedakakani(M), Guntur-  
522508, Andhra Pradesh, India.  
www.vvitguntur.com ☎: 0863-2293336

## Proceedings of the conference:

1. Key note address by the eminent persons from reputed academic institutions and industries.
2. Presentations by the participants.

## All communications must reach

Participants can send the paper to the following department coordinators

**Dr. Chintalapudi V Suresh, Professor of EEE Dept**

Email: [venkatasuresh3@vvit.net](mailto:venkatasuresh3@vvit.net)

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## Registration fee including publication cost

All authors are requested to register through the following link

[https://docs.google.com/forms/d/e/1FAIpQLS chvAn9t2lbaOkIlgqp2uzgWv0HBMVCtzFdzUwzeCeFDxP0PTQ/vie wform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLS chvAn9t2lbaOkIlgqp2uzgWv0HBMVCtzFdzUwzeCeFDxP0PTQ/vie wform?usp=sf_link)

Teaching faculty (3/4 Nos)	:	Rs. 5000/-
Research scholars (3/4 Nos)	:	Rs. 4500/-
PG students (3/4 Nos)	:	Rs. 4500/-
R & D Organizations (3/4 Nos)	:	Rs. 5000/-
Industry professional (3/4 Nos)	:	Rs. 5000/-

## Call for papers

Papers are invited from Academicians, Researchers and industry professionals, Authors are requested to submit original papers.

## Guidelines for Authors

- All submission will be peer reviewed by experts in the field based on originality, significance, quality and clarity.
- All contributions must be original, should not have been published and should not be intended to be published elsewhere during the review period.
- At least one author must register and present his/her accepted manuscript in online.
- Author should submit the copyright form of the journal for getting publication.
- Registration fee includes proceedings, conference kit, certificates, etc. will be provided to all authors.
- Manuscript format can be downloaded from conference website.

All accepted manuscripts will be published in **WAFFEN-UND KOSTUMKUNDE (ISSN Online:0042-9945)** which is a web of science (ESCI), UGC care and google scholar indexed journal with DOI number. For more information please visit [www.vvitguntur.com](http://www.vvitguntur.com)

## About the conference

The renewable-energy-based generation of electricity is currently experiencing rapid growth in electric grids. The dynamics of electric grid are starting to change due to the large-scale integration of power electronic converters into the grid for facilitating the utilization of the renewable energy. Therefore, the stability and power quality of the grid have become a significant concern. This conference is intended for disseminating new promising methods and techniques to maintain the stable operation of the grid with sufficient power quality.

## The range of topics include, but not limited to

- Intelligent Robotics
- Power quality
- Real time control of Electronic systems using Electronics
- IoT applications in Electrical systems
- Artificial Intelligence
- Power electronics converter topologies
- Energy storage devices and systems
- Electric and hybrid vehicles
- Grid integration of renewable energy sources
- Sensors
- Data science
- Signal and Image processing
- Wireless control, IoT security & devices
- Data analytics, cloud analysis for IoT
- Advances in Electronic systems
- Machine Learning & Deep Learning
- Data Security and Block chain