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## ABOUT VFSTR

Vignan's Foundation for Science, Technology & Research Deemed to be University is located in the serene environs of Vadlamudi on the Guntur - Tenali highway, about 14km from Guntur and 11km from Tenali. The University is a virtual heaven of rural quiet and idyllic beauty. The splendid avenue, imposing buildings and sprawling play grounds, and the verdure in and around the campus make it one of the most preferred choices for the aspirants of Engineering studies. Since its inception in 1997, this institution has been striving to promote high standards in technical education to aid in the career building of the many students who step into its portals. Vignan's impressive academic credentials stand a testimony to its commitment to offer quality education. The University campus is Wi-Fi enabled and connected to external world through National Knowledge Network (NKN).

## ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 1997 with the motto: Excellence in Engineering Education. The department strives for excellence in teaching, research and consultancy services to the industry. It has eminence in selected niche areas of Electronics and Communication Engineering. The Department has highly qualified and experienced faculty with strong research and professional expertise. Besides teaching undergraduate and post-graduate courses, the faculty members are engaged in a broad range of research and development areas in collaboration with renowned overseas universities, research institution and multinational companies. The aim is to produce engineers who are flexible across disciplines and able to apply their knowledge and skills to solve complex problems. The department aims to produce thinking engineer, who will create new technologies for the future. The Department of Electronics and Communication Engineering currently offers B.Tech in ECE and BME, M.Tech programme in Embedded Systems and VLSI Design and also Ph.D programme. The department is accredited by NBA.

Dept. of  
**ECE**

NBA  
Accredited

**4th**  
National Conference on

**VLSI,  
SIGNAL PROCESSING  
& COMMUNICATIONS**

**NCVSComs - 2020**

18<sup>th</sup> & 19<sup>th</sup> December 2020

(Virtual mode)



**VIGNAN'S**  
Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

-Estd. u/s 3 of UGC Act 1956

## CONFERENCE THEME

This National Conference NCVSComs 2020 will be held during 18<sup>th</sup> and 19<sup>th</sup> December 2020 at VFSTR, Guntur, Andhra Pradesh, India. The Conference will have invited talks and paper presentation in broad areas of VLSI, Embedded, Biomedical Instrumentation, Signal Processing, Communication Systems and Networks. The purpose of this conference is to provide a vibrant platform for a wide cross section of working professionals to interact and exchange useful ideas, and giving guidelines on technical, research and developments. We would like to invite all scholars, academicians and industrial experts to attend the conference to be hosted in virtual mode by Dept. of ECE, VFSTR. The research papers with original work and literature review in all related areas are invited.

## TOPICS

The topics of interest include, but are not limited to:

- Trends and challenges in VLSI Design.
- IoT, machine learning, 5G.
- Audio/Video/Image/Signal Processing for Communication, Biomedical Systems.
- CMOS, Semi conductor materials
- Optical devices, low power devices, memories.
- Communication Systems, Information theory and coding.
- Embedded System, WSN, Vehicle networks, GPS.
- Mobile/Optical/RF/Microwave/Satellite Communication.
- Antennas, Wave propagation, EMI/EMC, MIMO systems.
- Pattern Analysis/Classification.
- MEMS/Nano Technology
- Remote sensing, Signal detection/estimation.
- Security/Cryptography, compression.
- Optimization, performance evaluation, parallel processing.
- PLC, Measurements, Telemetry, Adaptive control
- Transducers and Instrumentation technologies.
- Data Communications and Networking.
- Medical Image Processing and Systems.
- Diagnosis and Therapeutic Instrumentation.

## SUBMISSION GUIDELINES

Prospective authors are invited to submit manuscripts reporting original unpublished research and recent developments in the topics related to the conference. It is requested to download the template from the conference website. The paper should be uploaded through link : <https://easychair.org/cfp/ncvscoms2020>

All the accepted, registered and presented papers of the conference will be considered for publishing in Web of Science / Scopus cited journals.

Refer Conference website for more details regarding journals.

## IMPORTANT DATES

Full paper Submission	: 15-11-2020
Notification of Acceptance	: 25-11-2020
Authors Registration	: 01-12-2020
Camera Ready Paper	: 10-12-2020
Conference Dates	: 18-12-2020 & 19-12-2020

## REGISTRATION FEE

Category	Conference Only
Industrial participants	Rs. 1,000
Faculty from Institutions	Rs. 500
Ph.D.Scholars & PG students	Rs. 500

*\*\* Presented and extended papers will be considered for publishing in Scopus Indexed Journals on additional payment basis.*

Participants can register by paying Registration fee through NEFT. The details are given below:

Branch	: UCO Bank, Vadlamudi
A/C No.	: 21890210000106
A/C Name	: VFSTR General Funds
IFSC Code	: UCBA0002189

It should reach us on or before **1<sup>st</sup> December 2020**

*\*\* Accommodation will be provided on payment basis subject to availability.  
For more details visit our website.*

Contact Details : Dr. N.V.R.Vikram G : 9482840480  
Dr. V. Vijayaraghavan : 9942323293  
Mail ID : [conf\\_ece@vignan.ac.in](mailto:conf_ece@vignan.ac.in)

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**Faculty members of ECE department**