

## AUTHOR GUIDELINES

- Papers are invited from Students, Research Scholars, Academicians, Scientists and Industrial persons
- The paper should be in IEEE format with maximum of 6 pages.
- During the time of conference, at least one author should present online.
- No Participation fee.
- E -Certificate will be provided through e-mail only.
- For full list of topics refer conference website : <http://vemu.org/conference>
- Online platform Cloud app
- All accepted papers for presentation will be published in conference proceedings with ISBN number
- Papers are to be submitted through mail to the following mail IDs of the respective departments

Department	Mail ID	Phone
Convener	CRATEconvener@vemu.org	63002 56313
Co-convener	CRATEcoconvener@vemu.org	95501 95534
ECE	CRATEece@vemu.org	98666 21280
CSE	CRATEcse@vemu.org	88866 61105
EEE	CRATEeee@vemu.org	94935 66577
Mechanical	CRATEmech@vemu.org	94936 20976
Civil	CRATEcivil@vemu.org	94407 89654
Basic Sciences	CRATEhs@vemu.org	88866 61106
MBA	CRATEmba@vemu.org	97031 42654

## IMPORTANT DATES

Deadline for full paper submission (In IEEE format)

**28/07/2021**

Intimation of selected papers

**03/08/2021**

Date(s) of Conference

**13/08/2021 & 14/08/2021**

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## Second National Virtual Conference on Recent Advances in Technology & Engineering (CRATE-2021)

**13<sup>th</sup> - 14<sup>th</sup> August 2021**



**FREE  
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## About the VEMU IT

VEMU Institute of Technology is one of the best and finest engineering colleges in Chittoor District, Andhra Pradesh. Beginning its quality inputs in 2008, it has attained ISO9001:2015 certification for quality management within a short span of time. The Institution's progress and contribution to the field of technical education for over one decade has resulted in accreditation by NAAC in the year 2017, Recognized under 2(F) & 12(B) UGC Act and Accredited by NBA for ECE, CSE & EEE in the year 2021. Also, the Institute is permanently affiliated with JNTUA, Anantapuramu. It is located in P.Kothakota, near to Tirupati on the Chittoor Highway in a beautiful 16-acre campus. The Institute is blessed with a diversified, talented community coupled with a passion for learning. VEMUIT encourages its students to make a difference in the campus, in the region, and in the companies wherever they join. With un-matched results in every sphere of education and its commitment to be the best has transformed its departments into Centers of Excellence.

## About the CONFERENCE

The primary goal of the conference is to promote research and development activities in Recent Advances in Engineering, Technology, Science and Management. The conference is also aimed at promoting scientific information interchange between researchers, developers, engineers, students, and practitioners working in diversified areas around the globe. The objective is to present the latest research trends and results of Engineers and Scientist (preferred Students, Postgraduate students, Faculty, Research Scholars and Post-doc Scientists related to Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Mechanical Engineering, Civil Engineering, Basic Sciences and Management. The conference will feature

online paper presentations as well as keynote speeches by prominent speakers who will focus on state-of-the-art technologies in the themes of the conference. The conference will be organized every year to make it an ideal platform for people to share their views and experiences in Recent Advances in Engineering and Technology related areas.

## **The topics of the conference include, but not limited to Engineering**

### **Recent Advances in Computer Science and Engineering**

- AI/ML/DL/Big Data/IoT/Natural Language Processing
- Cloud Computing/Grid Computing/Soft Computing/Quantum Computing
- Virtual/Augmented Reality/Image Processing/Block Chain Technology
- Bio-medical Computing/ Bio-informatics/Network Security

### **Recent Advances in Electronics and Communication Engineering**

- Bio-Medical & Satellite Image Processing
- Communication Systems for 5G & Beyond
- Embedded Systems & Internet of Things
- Telecommunication & Virtual Networks
- VLSI, MEMS & Micro Systems

### **Recent Advances in Electrical and Electronics Engineering**

- Electrical Vehicles, Energy Sources and Conversion Technologies.
- Challenges & Applications of Smart Grid
- Advanced Control Systems and Electrical Drives
- FACTS, Custom Power Devices, Power Quality

### **Recent Advances in Civil Engineering**

- Green Buildings
- Special Concrete
- Earthquake Resistant Design
- Environmental Impact Assessment

## **Recent Advances in Mechanical Engineering**

- Additive Manufacturing & 3D printing
- Alternative Fuels
- Finite Element Modelling and Analysis
- Composite Materials and Macro, Micro & Nano Manufacturing

## **Science, Humanities and Management**

### **Recent Advances in Physics**

- Thin films
- Crystal Growth
- Photonics
- Nano and Solid State Materials

### **Recent Advances in Chemistry and Environmental Science**

- Next Generation Smart Materials
- Organometallic Chemistry & Biosensors
- Nano materials and its Applications
- Environmental Impact on Public Health.
- Environment and Sustainable Development.
- Alternate Energy Resources and its Effectiveness

### **Recent Advances in Mathematics**

- Applied Mathematics and Modelling
- Computational Engineering and Scientific Computing in Mathematics
- Number Theory and Cryptography
- Operations Research

### **Recent Advances in English Communication**

- English Spellings & Pronunciation
- Soft Skills among Professionals
- Challenges & Latest Trends in Teaching ELT
- Creating Independent Learning and Personality Traits

### **Recent Advances in Management**

- Digital Marketing, B2B Marketing and Social Marketing
- Risk Management Practices in the Global Capital Markets
- Emotional Intelligence and Techno-entrepreneurship
- Role of HR in Organizational Innovation and TQM