

CRATE-2022

3rd National Virtual
Conference on Recent Advances in
Technology & Engineering (CRATE)

14-15 October, 2022



**VEMU
INSTITUTE OF
TECHNOLOGY**

(Accredited by NAAC & NBA
(CSE, ECE & EEE))

P. Kothakota, Near Pakala
Chittoor District, AP-517112



About our College

VEMU Institute of Technology is one of the best and finest Engineering Colleges in Chittoor District, Andhra Pradesh. It is located at P. Kothakota 42 kms away from Temple city, Tirupati on the Tirupathi-Chittoor Highway in a beautiful 16-acre campus. Beginning its quality inputs in 2008, VEMU Institute of Technology has become one of the top engineering colleges in Chittoor District, Andhra Pradesh for quality education within a short span of time.

Affiliations & Recognitions

- ★ Approved by AICTE, New Delhi
- ★ Accredited by NBA (CSE, ECE & EEE)
- ★ Accredited by NAAC
- ★ Certified by ISO 9001 - 2015 for Quality Management.
- ★ Ranked as 'A' Grade College by Department of Technical Education, Government of Andhra Pradesh
- ★ Recognized under 2(f) and 12(B) of UGC Act 1956.
- ★ Atal ranking for Institution Innovations Achievement (ARIIA) – 2021 rank: PERFORMER
- ★ Careers360 Rating in 2020 & 2021 is 'AAA'
- ★ 82nd rank in "The Week-Hansa Research Survey 2021" - Best Engineering Colleges Rankings –South Zone.

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Dr. P. Geetha, Assoc. Prof of H&S

Courses Offered

B.Tech

(Civil, ME, EEE, ECE, CSE, CSIT & CSE-AI)

MBA, MCA & M.Tech.

Counselling Code **VEMU**

Conference Co-Ordinators Details

| | | | |
|-------------------------------|--------------|--------------------------------|--------------|
| Civil - Mr. G. Omkar | - 9440789654 | CSE - Dr. C. Siva Balaji Yadav | - 9848456256 |
| EEE - Mr. M. Murali | - 9493628763 | H&S - Dr. S. Feroz Begum | - 9440809490 |
| Mech - Dr. H. Suresh Babu Rao | - 9010825356 | MBA - Dr. C. Bhupathi | - 9908577494 |
| ECE - Dr. G. Elayaraja | - 9382149728 | | |

Important Dates:

Last date for Full Paper Submission : **3rd October, 2022**

Intimation of Selected Papers : **7th October, 2022**



About the Conference

CRATE-2022 is a 3rd National Level Virtual **Conference on Recent Advances in Technology & Engineering (CRATE)** being organized during 14-15 October, 2022.

The primary goal of the conference is to promote research and development activities in recent advances in Engineering, Science & Technology and Management. It is a platform for Research Scholars, Academicians and Scientists to promote their innovation and research in latest technologies in Science, Engineering & Technology and Management. It also gives the participants the ample of opportunity for exchanging their views and sharing Knowledge with wide spectrum of globe.

The conference will give online paper presentations as well as keynote speeches by eminent speakers who will focus on state-of-the-art technologies in the themes of the conference.

CONFERENCE TOPICS

Civil Engineering

- ✦ Green Buildings
- ✦ Smart and Sustainable Construction Materials
- ✦ Intelligent Transport Systems
- ✦ Geotechnical & Environmental Engg.

Mechanical Engineering

- ✦ Alternate fuels
- ✦ Composite Materials
- ✦ Finite Element Modeling and Analysis
- ✦ Additive Manufacturing & 3D Printing
- ✦ Robotics / MEMS

Electrical & Electronics Engineering

- ✦ Hybrid Electrical Vehicles
- ✦ Renewable Energy Sources
- ✦ Power Electronics & Electric Drives
- ✦ ANN Applications in Power Systems
- ✦ Advanced Control Systems

Electronics & Communication Engg

- ✦ VLSI & Embedded Systems
- ✦ Advanced Wireless Technology
- ✦ Communication Systems for 5G & beyond
- ✦ Bio-Medical & Satellite Image Processing

Computer Science & Engineering

- ✦ Artificial Intelligence & Machine Learning
- ✦ Cloud Computing, Block Chain Technology
- ✦ Big Data & IOT
- ✦ Cyber Security, 5G Technology
- ✦ Data Science & Deep Learning

Humanities and Sciences

- ✦ Applied Mathematics & Modeling
- ✦ Fiber Optic Sensors & Superconductivity Applications
- ✦ Nanoscience and Technology
- ✦ Water Technology, Alternative fuels and Disaster Management
- ✦ Soft skills & Personality Development

Management Studies (MBA)

- ✦ Digital Marketing & Banking
- ✦ Future of Crypto Currency
- ✦ E-Business & E-Commerce
- ✦ Digitalization in HR Practices



Author Guidelines

1. Papers are invited from students, Research Scholars, Academicians, Scientists & Industrial Persons
2. The Paper should be in IEEE format with max of six pages.
3. Papers must be presented by at least one author in the conference.
4. **No Registration Fee and E-Certificate will be provided.**
5. Papers should be sent through E-mail only before last date.
6. All the papers to be submitted to the following email ID's of the respective Departments

★ The proceedings of the conference will be published with ISBN number 978-93-93259-83-7

Send Your Papers to

CRATEcivil@vemu.org (CE)
CRATEeee@vemu.org (EEE)
CRATEmech@vemu.org (ME)
CRATEece@vemu.org (ECE)
CRATEcse@vemu.org (CSE)
CRATEhs@vemu.org (H&S)
CRATEmba@vemu.org (MBA)

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