

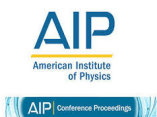
# *International Conference on ADVANCES IN MATERIALS, COMPUTING AND COMMUNICATION TECHNOLOGIES*

## ICAMCCT 2021



### PUBLICATIONS

*All submitted papers will be published in an International Journal.*



**IJECES** International Journal  
of Electrical and Computer  
Engineering Systems



Date: 10<sup>th</sup> April 2021

 [icamcct@avce.edu.in](mailto:icamcct@avce.edu.in)

### WEBSITE



### REGISTRATION



**ANNAI VAILANKANNI COLLEGE OF ENGINEERING**

**AVK Nagar, Pottalkulam, Kanyakumari District.**

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, India.

## **ABOUT AVCE**

*Annai Vailankanni College of Engineering (AVCE), AVK Nager, is a private, self financing, co-educational Engineering College established in the year 2008. The college is approved by AICTE, New Delhi and affiliated to Anna University. The college is surrounded by an array of green-clad, sky scrapping mountains of the Western Ghats. The weather is cool and breezy with clouds drifting high over the mountains giving frequent drizzles.*

*AVCE is an institution where students are trained not only to equip themselves with knowledge but also to cope with the tasks that are in store for them. We also develop other aspects of personality to sustain themselves in their life. Our aim is to provide education to one and all, especially in the rural community. AVCE has always aimed at providing quality education: social moral value based and need-based education to the students and at empowering the local community. Our students are encouraged to participate in inter-college and open state level / national level technical, cultural and sports activities.*

## **QUALITY OBJECTIVES**

- ▶ *To provide quality technical education through outcome based teaching learning process.*
- ▶ *To facilitate the all round personality of students through extracurricular and social activities.*
- ▶ *To enhance industry institute interaction through testing and consultancy services.*
- ▶ *To provide assistance for campus placement and entrepreneurship development and promote initiatives for digital india.*
- ▶ *To motivate faculty for higher education and skill upgradation for achieving world class excellence.*
- ▶ *Promote research and development activities among faculty and students to develop new technologies.*
- ▶ *To strengthen the institute through network of alumni.*

## **SALIENT FEATURES**

- ▶ *Renowned educators, technology experts from various industries to create future ready citizens (industry-ready professionals).*
- ▶ *Outcome-based teaching and learning methods.*
- ▶ *Received Anna University Patent Award, Best Agro project Award, Best auto solution award etc.*
- ▶ *Robotics Centre - Advanced center with 3D Printing technology to carry out study and research (First of its Kind in the district)*
- ▶ *Filed first pattern right for the solar tricycle for fish vending women.*
- ▶ *Approved by MHRD & AICTE to run Pradhan Mantri Kaushal Vikas Yojana (PMKVY).*
- ▶ *MoU with BOSCH INDIA to conduct AVCE-BOSCH joint certification program.*
- ▶ *Center for advance digital learning, AMAZO web services, PALO ALTO USA.*
- ▶ *The college is committed to create a balanced atmosphere of academic, cultural and sports activities.*
- ▶ *Well furnished smart classrooms.*
- ▶ *Dedicated Training and Placement Cell marching towards 100% placement record.*
- ▶ *AVCE Research and Development cell to promote innovative projects.*
- ▶ *Wi-Fi enabled campus*
- ▶ *Well established laboratories with the latest equipment and instruments.*
- ▶ *Sophisticated indoor and outdoor sports complex.*
- ▶ *Nodel center of NPTEL.*
- ▶ *NCC, NSS, YRC, Sports and fine arts club-nurturing the talents.*

## **MECHANICAL ENGINEERING**

*Industrial Automation, Machinability of Materials, Composite Materials, Bio Micro and Nano Mechanics, Manufacturing Processes, Materials Engineering, Non-Traditional Machining processes, Quality Assurance and Engineering, Rapid Prototyping, Reliability and Maintenance Engineering, Tribology etc.*

## **ELECTRONICS AND COMMUNICATION**

*Broadband Communication, Computer and Intelligent Communication, Mobile and Optical Communication, Wireless Communication, Mobile and Optical Networks, Wireless Sensor Networks, Network Security, Advanced VLSI Systems, Embedded Wireless Systems, Medical Informatics, Hardware Engineering, Mechatronics, Automation, 5G Communication Systems, Microwave Communication Technologies, Sensors & Sensing Technology, Humanitarian Technologies, Signal Processing etc.*

## **COMPUTER SCIENCE**

*Geo-informative Systems, Grid Computing, Pervasive Computing, Digital Image and Video Processing, Computer Vision and Image Analysis, Data Mining and Cloud Computing, Computer Architecture, Computer Networks, Distributed Computing, Artificial Intelligence & Soft Computing, Optimization Techniques, Human-Computer Interaction, Theoretical Computer Science, Computer Applications, Expert Systems etc.*

## **CIVIL ENGINEERING**

*Structural Engineering, Theory and Advanced Technology of Engineering Structure, High-rise Structure and Large-span Structure, Advanced Concrete Technology, Civil Engineering Materials, Structural Dynamics & Earthquake Engineering, Engineering Structure Safety, Fluid-Structure Interaction, Smart-Structures and Materials, Geotechnical Engineering, Dynamics of Soils and Foundations, Landslides and Slope Stability, Water Resource Engineering, Environmental Impact Assessment, Surveying, Use of recycled and waste materials in pavement construction, Pavements Mix design, Bituminous and alternative materials etc.*

## **ELECTRICAL ENGINEERING**

*Electrical and Electronic Materials and Process, Semiconductor Technology, Power Systems and Energy Engineering, Soft Computing Techniques in Power Systems, Transmission and Distribution System and Apparatus, Instrumentation & Feedback Control Systems, Power Electronics & Energy*

*Efficient Drives, Renewable Power Conversion Technologies, Power Quality Improvement Techniques, HVDC/FACTS, Electrical Machines and Industry Applications, Bio-medical Engineering, Intelligent Systems, High Voltage Engineering & Insulation Technology, Photo/Opto Electronics etc.*

## **S & H**

*Aeronomy and Space Physics, Astrophysics, Atomic and Molecular Physics, Biophysics, Elementary Particles and Fields, Plasmas, Gravitation and String Theory, Mathematical Physics, Nuclear Physics, Physics Education Research, Quantum Physics, Relativity and Cosmology, Biochemistry, Crystallography & Structural Chemistry, Cellular Engineering, Ceramic Engineering, Dispersion Chemistry, Oil, Petroleum & Natural Gas, Electrochemistry, Organic Chemistry, Chemical Kinetics & Catalysis, Inorganic Chemistry, Polymers, Plastics Combustion, Medicinal Chemistry*

## **IMPORTANT DATES:**

Last Date for Paper Submission: 01-04-2021

Notification of Acceptance: on or before 03-04-2021

Last Date for Camera Ready Paper Submission: 05-04-2021

Date of Conference: 10-04-2021

## **REGISTRATION FEES:**

UG Students: Rs. 600\*

PG Students, Research Scholars & Faculty: Rs. 700\*

International Delegates: \$ 10\*

\*Registration fee includes e-certificate to all authors and publication in International Journal of Scientific Research in Science and Technology-IJSRST (Free)

## **JOURNAL PUBLICATIONS**

(ADDITIONAL PUBLICATION CHARGES APPLICABLE)

1. AIP Conference Proceedings (Rs.8500 / 125USD)
2. International Journal of Electrical and Computer Engineering Systems (Rs.9000 / 130USD)
3. Psychology and Education (Rs.9500 / 135USD)
4. International Journal of Scientific Research in Science and Technology-IJSRST (Free)

## **MODE OF PAYMENT**

Registration fee / Publication Charges can be transfer to

Account Name: Annai Vailankanni College of Engineering

Account Number: 1026201000662

Bank Name: Canara Bank

Kanyakumari, IFSC Code: CARB0001026.

Send your scanned payment proof to [icamcct@avce.edu.in](mailto:icamcct@avce.edu.in)

## INVITED SPEAKERS

1. **Shri. S. Rajapandian**, *SCIENTIST, Cryo Test Instrumentation Systems (CTIS), ISRO Propulsion Complex, Mahendragiri*
2. **Prof. Dr. Carlos Pena**, *Senior Professor, Instituto de Ciencias Químicas Aplicadas, Chile*
3. **Dr. S.Rajadurai**, *Head of Research & Development, Sharda Motor Industries Ltd., Chennai.*
3. **Dr. D. Arumuga Perumal**, *NIT Karnataka, India*
4. **Dr. Anatoliy Zavdoveev**, *E.O. Paton Electric Welding Institute, Ukraine*

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