

# AICTE SPONSORED INTERNATIONAL ONLINE CONFERENCE ON

## "ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ENABLED 5G WIRELESS NETWORKS: RECENT ADVANCES AND CHALLENGES"( ICAMW2021)

16<sup>th</sup> & 17<sup>th</sup> December 2021

In Association with



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### ABOUT THE COLLEGE

Mahendra Engineering College was started in 1995 by Shri.M.G.Bharathkumar, a renowned educationist and a philanthropist with the noble intent of educating the underprivileged in Salem and Namakkal districts. The College is an Autonomous Institution and it is offering 16 Undergraduate and 9 Postgraduate courses in Engineering, Technology and Management. The technical knowledge imparted to the students is complimented by imbuing interpersonal skills and a spirit of entrepreneurship that makes the students competitive enough to face the global challenges and emerge as achievers. The Institution is accredited by NAAC with 'A' Grade for five years and three Programmes are accredited by NBA Tier-1(WA). The College has received awards and recognition from various authorities. The college has received several workshop/ seminar/ FDP/ STTP/ MODROBS/RPS funds from various funding agencies like DST, CSIR, ISRO, AICTE & TNSCST. The college has signed MoU with industries and R&D institutes like TVS Harita Techserv, Wipro, NI-LabVIEW Academy, Escorts Training and Development Center, Infosys Campus Connect, Siemens, Danfoss and Texas Instruments.

### ABOUT THE CONFERENCE

The main objective of this Conference is to create a technical forum for the presentation of current results of scientific work in the field of Artificial Intelligence (AI), Machine Learning (ML) and Wireless Networks (WN). The conference is a space for creating collaborative links between academicians and professional practitioners and their workplaces, leading to aiming at long-term sharing of knowledge and discussions of highly current issues of 5G wireless technologies. The goal of the emerging application track is to "bridge the gap" between basic AI in healthcare and deployed AI in wireless communications. The conference aims to provide a platform for the exchange of information on the latest trend in AI and ML and how the trends are helping to achieve sustainable developments in the 5G wireless networks. The Conference invites industry persons and professors from foreign and IITs/IISCs/NITs/Government/Private institutions to provide keynote addresses in the relevant fields and to review, and access the author's articles. All full paper submissions will be reviewed, best articles will be identified and published in peer reviewed journal. Surely, the outcome of this conference will kindle the minds of Research scholars, Faculty Members, Students and Industry Persons to learn and promote their research work in the thrust areas of Artificial Intelligence, Machine Learning and Wireless Networks. The faculty members, research scholars, students and professional practitioners across the globe are invited to submit their findings in this emerging areas.

### CALL FOR PAPERS

Authors are invited to contribute to the conference by submitting novel unpublished articles in the following areas but not restricted to:

- Cooperative Communications
- Wireless Networks
- Sensing and Sensor Networks
- Internet Technology & Applications
- Cyber-Physical Systems for Sustainable Computing
- Mobile Computing and Communication
- Smart City Technologies and Systems
- Information and Data Processing
- Artificial Intelligence and Neural Networks
- Optical Communication and Components
- Wired/Wireless Technology Integration
- Internet of Things
- Big Data and Data Mining
- Green Pervasive Computing
- Mobile Social Networking
- Fuzzy, Neural and Evolutionary Computation
- Cognitive radio networks
- Smart Security Models and Applications
- Wearable Systems and Technologies
- Future Internet & Next Generation Networks
- Security for new service delivery models
- AI and Machine Learning for 5G and Beyond security
- Big data analytics tools/techniques in 5G
- Advances in lightweight cryptography and IoT/CPS
- Secure Integration of IoT/CPS and Cloud Computing
- Secure integration of IoT/CPS and other networks
- Secure Device-to-Device communications in 5G
- Secure data storage, communications and computing
- Energy efficient security in IoT and CPS
- Heterogeneous system modeling for 5G security
- Natural Language Processing
- Human Computer Interaction
- Image Processing & Video Signal Processing
- Speech & Signal Processing
- Nano Electronics
- MISO & MIMO Processing
- MEMS & Sensor Design
- VLSI for DSP
- Robotics & Automation
- mmwave spectrum
- mmwave 5G
- Under Water Communication
- Green Computing
- Grid Computing
- Remote Sensing
- Bio-Medical Applications
- Computer & Intelligent Communication
- Embedded Wireless Systems
- Mobile Adhoc Networks
- Parallel and Distributed Networks
- Nano-Fabrication & Computing
- ASIC & SoC
- Virtual & e-learning

### CONTACT DETAILS

CONVENORS (ICAMW2021)  
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### REGISTRATION

Registration is mandatory for at least one author of an accepted paper to take part in paper presentation, proceedings and journal publication.

### FEE DETAILS

| CATEGORY   | FEE      |
|--|----------|
| Students/Faculty Members/ Research Scholars(India)   | INR 2000 |
| For Foreign Authors                                  | USD 100  |
| Listeners (without Paper Presentation & Publication) | INR 500  |

Selected papers will be published in Elsevier's International Journal of Computers and Electrical Engineering / International Journal of Advanced Research in Science, Communication and Technology (IJARSC)

Organized by :



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**MAHENDRA ENGINEERING COLLEGE**  
(Autonomous) Accredited by NAAC 'A' Grade and NBA Tier-1(WA) UG: CSE,ECE,EEE  
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### IMPORTANT DATES

Last date for Manuscript submission : **October 30, 2021**  
Last date Extended : **November 12, 2021**  
Notification of acceptance : **November 15, 2021**  
Last date for Camera Ready Paper : **November 25, 2021**