

**ISSN (Print) : 2319-2526**

International Journal

On

**Advanced Computer Theory and Engineering**

**(IJACTE)**

**Volume-2, Issue-3**

Publisher's website: [www.irdindia.in](http://www.irdindia.in)

Email: [ijacte.editor@gmail.com](mailto:ijacte.editor@gmail.com)



## **Objective of the Journal**

The objective of International Journal on Advanced Computer Theory and Engineering (IJACTE) is to help professionals working in the field, educators and policy makers to contribute, to disseminate information and to learn from each other's work. IJACTE also aims at establishing channels of communication between Centres of Excellence for computer applications, computer engineers, software developers and users worldwide.

## **Contents**

IJACTE is a refereed international journal, published six issues per year, providing an international forum and an authoritative source of information in the field of Computer Engineering, related Information Technology and Communication Technology.

## **Area to be Covered**

The broad spectrum of the journal includes the topic but not limited to:

- Algorithm/protocol design and analysis
- Ad hoc networks for pervasive communications
- Advanced Computing Architectures and New Programming Models
- Artificial Intelligence
- Broadband wireless technologies
- Cloud Computing and Applications
- Collaborative applications
- Communication architectures for pervasive computing
- Communication and Networking Systems
- Computer and microprocessor-based control
- Computer Architecture and Embedded Systems
- Computer Vision
- Computer Science and Its applications
- Database Theory and Application
- Data Base Management System
- Data Mining
- Decision making
- Digital signal processing theory
- Distributed Sensor Networks
- Distributed Computing
- Distributed and cooperative control systems
- Evolutionary computing and intelligent systems
- Expert approaches
- Fault tolerance and diagnostics
- GPS and location-based applications
- Grid Networking/ Computing
- High performance computing, Parallel processing
- Human Computer Interaction (HCI)
- Image analysis and processing

- Information and data security
- Internet Technologies, Infrastructure, Services & Applications
- Mobile Computing and Applications
- Multimedia Communications
- Network Modeling and Simulation
- Network Performance; Protocols; Sensors
- Networking theory and technologies
- Open Models and Architectures
- Pattern Recognition
- Perception and semantic interpretation
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- Real-time information systems
- Routing, Medium access control (MAC)
- Security Technology and Information Assurance
- Soft Computing
- Software Engineering & Its Applications
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- Signal Control System & Processing
- Speech interface; Speech processing
- Ubiquitous Multimedia Computing
- Vision-based applications
- Web Technologies
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- Computational complexity
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- Medical Informatics
- Grid and scalable computing
- IT policy and business management

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International Journal On

**Advanced Computer Theory and Engineering (IJACTE)**

Volume-2, Issue-3

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**ISSN (Print) : 2319-2526**

Published by :

**INSTITUTE FOR RESEARCH AND DEVELOPMENT INDIA (IRD INDIA),**

Plot No. : 200/2010, At/Po- Khandagiri Vihar, Bhubaneswar, Odisha, India, Pin- 751030

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## *Editorial*

It is my proud privilege to present volume two issue five of International Journal on Advanced Computer Theory and Engineering (IJACTE) based on selected received papers across the world. This issue brings out the various articles from diverse areas of computer science and engineering. IJACTE will be published six issues per year with high quality original research contribution.

This journal is intended to provide a forum for researchers, educators and professionals to present their discoveries and innovative practice and to explore future trends and applications in the field computer science and engineering. However, this journal will also provide a forum for dissemination of knowledge on both theoretical and applied research on the above said area with an ultimate aim to bridge the gap between these coherent disciplines of knowledge. Thus the forum accelerates the trend of development of technology for next generation.

I am happy to note that IJACTE will be getting wide popularity among the educationist, researchers and professionals within short time span. In the inaugural issue ten short listed papers have been included covering various aspects of computer engineering and communication technology.

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