

# *International Journal of Conceptions on Computing and Information Technology*

## **Editor in-chief:**

***T E Devi Prasad Goud,***  
SAP,  
Bangalore, India.

## **Associate Editor:**

***Prof. Paul Bharath Bhushan,***  
Professor & Head,  
Dept. of Information Technology,  
Sri Venkatesa Perumal College of Engineering & Technology,  
Puttur, Chittoor Dist., AP, India.

## **Editorial Board:**

Mr. Mohammed Pirhadi,  
Associate Professor,  
KIAU, Iran.

Dr. Dyah Erni Herwindiati,  
Professor,  
UNTAR, Indonesia.

Mr. P Rasool,  
Senior Software Engineer,  
TCS, India.

Mr. Ramakrishna,  
Assistant Professor,  
Nepal.

Mr. Chaylasy Gnophanxay,  
Assistant Professor,  
NUOL, Laos.

Mr. Wilson J Bab,  
Senior Software Engineer,  
IBM, USA.

Mr. G Anil Kumar,  
Assistant Professor,  
SV Group of Colleges, India.

Mrs. P Devaki,  
Associate Professor,  
SVP CET, India.

## **WAIRCO JOURNAL PUBLICATIONS**

29, Flat No. 5, 2<sup>nd</sup> Cross,  
Taverekere, Bangalore, Karnataka, INDIA.  
Phone: +91 – 80420064

Website: [www.worldairco.org](http://www.worldairco.org) E-mail: [info.worldairco@gmail.com](mailto:info.worldairco@gmail.com)

# *International Journal of Conceptions on Computing and Information Technology*

[www.worldairco.org](http://www.worldairco.org)

## **AIM and SCOPE:**

International Journal of Conceptions on Computing and Information Technology (IJCCIT) is an International scholarly peer reviewed min. cost Journal published by WAIRCO Journal Publishers which offers publication of articles covering theoretical, computational and experimental investigations of all aspects of the Computing, Computer Science and Information Technology. Each issue contains papers on both the fundamental aspects of the Computing and Information Technology and its applications in all fields.

## **Submission of Paper:**

Manuscripts are invited from students, researchers, academicians and industrial executives and scientists for publication consideration. Papers can be submitted for consideration to peer review through e-mail: [submission.worldairco@gmail.com](mailto:submission.worldairco@gmail.com) with the understanding that they have not been published, submitted or accepted for publication elsewhere.

**Frequency of Publications:** ONE volume with TWELVE issues per year

**Subscription Information:** Subscription orders may be directed to the publisher. For more information, visit <http://www.worldairco.org/Subscription.html>

## **Annual Institutional Subscription Rates:**

	<b>Print and Online</b>	<b>Only Online</b>
India only	Rs. 3000/-	Rs. 2500/-
Economically Weak Countries	USD 80 or EURO 62	USD 60 or EURO 47
Rest of the world	USD 130 or EURO 100	USD 110 or EURO 86

## **Publisher:**

All business correspondence, enquiries and subscription orders shall be addressed to:

29, Flat No. 5, 2<sup>nd</sup> Cross,  
Taverekere, BTM 1<sup>st</sup> Stage,  
Banglore, Karnataka, INDIA.  
E-mail: [info.worldairco@gmail.com](mailto:info.worldairco@gmail.com)

2013, WAIRCO Journal Publications, INDIA

Printed in INDIA

All material published in this journal is protected by copyright, which covers exclusive rights to reproduced and distribute the material. No material published in this journal may be reproduced or stored on micro film, or in electronic, optical or magnetic form without the written authorization of the publisher.

# *International Journal of Conceptions on Computing and Information Technology*

## Table of Contents

<i>Recent advances in clustering algorithms: a review</i> . . . . .	1 – 4
Manivara Kumar Parsha and Sreenivasulu Pacha	
<i>Fundamentals of data mining and its applications</i> . . . . .	5 – 8
Sourav Sarangi and Subrat Swain	
<i>Wireless sensor networks – a study of fault detection and recovery based on OSI Layers</i> . . . . .	9 – 14
Rina Bhattacharya and Chhanda Ray	
<i>Object oriented model for Bank Account Number Portability</i> . . . . .	15 – 19
Dr. Sonali Agarwal and Ankur Agarwal	
<i>T-shirt brand establishment using management information systems</i> . . . . .	20 – 23
Prachi Shukla, Shivangi Singh and J V Rao	
<i>Implementation of new technique to detect occurrence of undesired events in sensitive systems</i> . . . . .	24 – 28
Parthasarathi G and Mohana Sundaram	
<i>Static dictionary for Telugu speech recognition system</i> . . . . .	29 – 32
E Prakash Babu, S Jeelan and P Jaya Prakash	

<i>Efficient route repair of AOMDV for mobile ad-hoc network . . . . .</i>	33 – 36
Parikesh Dhal, Srinivas Sethi and Ashima Rout	
<i>Dynamic allocation management (DAM) of emergency cases in HIS . . . . .</i>	37 – 41
Prof. Dr. P K Srimani and Manjula Sanjay Koti	
<i>A comparative study of data mining (DM) and massive data mining (MDM)</i>	42 – 46
Prof. Dr. P K Srimani and Malini M Patil	
<i>A generalized method of incorporating domain knowledge into learning algorithms by creating virtual samples from proportional rules . . . . .</i>	47 – 51
Md. Ridwan Al Iqbal	
<i>Proposing an evaluating method for Knowledge Management Implementation (KMI): Khorasan Razavi Water &amp; Wastewater Co. as a case study . . . . .</i>	52 – 56
S Famouri, A Mirzadeh Ph and A Modanloo	
<i>The relationship between artificial intelligence and psychological theories .</i>	57 – 60
Pratik and Rahul Abhishek	
<i>The open source cross-platform application development frameworks for smart phones . . . . .</i>	61 – 66
Naresh Babu M M, Y Sreeraman, E Purushotham and Dr. R C Cherukuri	
<i>Extensive security on cloud data storage . . . . .</i>	67 – 71
G Venkatesh and M Veera Kumari	