

KONGU COLLEGE OF ARTS AND SCIENCE

Dheeran Chinnamalai Nagar, Vennaimalai, Karur-639 006

(Affiliated to Bharathidasan University, Trichirapalli)

www.kongucollege.com



International Research Conference on Innovation in Computing Technologies

IRCICT-2022

26th February 2022

In Association With:



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**International Research Conference on
Innovation in Computing Technologies**

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Editors

Dr. K. Kumaravel,

Ms.G.Nithya

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Preface

Conference World and AR Research Publication is fast growing group of academicians in Engineering, Sciences and Management. AR Research Publication is also known for fast reply and zero error work. Conference world has organized a various conferences at renowned places namely Delhi University; New Delhi, Jawaharlal Nehru University; New Delhi, PHD Chamber of Commerce and Industry New Delhi, YMCA New Delhi, India International Centre New Delhi Sri Venkateswara college of Engineering and Technology, Andhra Pradesh, Dhananjay Mahadik Group of Institutions (BIMAT), Shivaji University, Maharashtra, Vedant Engineering Kota and many more places across the country.

We are very pleased to introduce the proceedings of the International Conference on Management, Engineering, Science and Humanities (MESH -2022) As for previous conferences, the theme was the link between the information provided by conference world and the use made of this information in assessing structural integrity. These were the issues addressed by the papers presented at the conference. The level of interest in the subject matter of the conference was maintained from previous events and over 39 suitable papers were submitted for presentation at the conference.

Papers were well represented in the conference to arouse a high level of international interest. Three countries were represented in the final program from Europe, North America and Asia. In the event, the conference was highly successful. The presented papers maintained the high promise suggested by the written abstracts and the program was chaired in a professional and efficient way by the session chairmen who were selected for their international standing in the subject. The number of delegates was also highly gratifying, showing the high level of international interest in the subject. This is also indicated by the large number of countries, 04 represented by the delegates. This Proceeding provides the permanent record of what was presented. They indicate the state of development at the time of writing of all aspects of this important topic and will be invaluable to all workers in the field for that reason. Finally, it is appropriate that we record our thanks to our fellow members of the Technical Organizing Committee for encouraging participation from those areas. We are also indebted to those who served as chairmen, without their support, the conference could not have been the success that it was. We also acknowledge the authors themselves, without whose expert input there would have been no conference. Their efforts made a great contribution to its success.

About the College

Kongu College of Arts and Science was established in the year 1997 by the Kongu Educational Trust, as a self-financing, co-educational institution affiliated to Bharathidasan University. The college is recognized by the UGC, New Delhi, in the year 2021 under 2 (f) and 12 (B) of the UGC Act 1956. It is located 4 kms north of Karur town on the National Highway [NH7], Karur - Salem bypass road. The college offers 12 UG and 8 PG Programs along with 2 M.Phil., and 2 Ph.D., Research programs. With the aim of providing quality education with the low fee to the rural students and the students those who come from below poverty line, the College offers courses for both men and women students with moral, culture, discipline, skill development and job-oriented opportunities to shape their future life.

Objectives of the college is to build genuine, social consciousness and prepare the students to be socially responsible citizens; to encourage the creativity of the students; to prepare mature and committed leaders; to promote academic excellence in teaching and research; to encourage innovation; to develop skills of communication and self-study; to inculcate basic moral, social and spiritual values necessary for building up character and developing personality and to bring out their talent. We are conducting various competitions and extracurricular activities as a platform for our students to develop their skills. Placement opportunities and training are given for the students and many students get placed in various MNC. Sports, also have equal importance in our college. Our Team / Participant (Kabaddi, Swimming, etc.) always place a position in National / State / University level every year.

About the Conference

The conference is aimed to bring together innovative academics and industrial experts in the field of Science, Engineering and Technology to a common forum.

International Research Conference on Innovation in Computing Technologies addresses the rapid strides and technological advancements currently witnessed in the fields of Science, Engineering and Technology. The conference aspires to exhibit the technical excellence of budding technocrats, research scholars, representatives from the academia and industry

MESSAGE OF CHAIRMAN



It is quite gratifying to note that the Department of Computer Science and Computer Applications of our College is hosting its First International Research Conference on Innovation in Computing Technologies (IRCICT-2022) in association with Conference World.

Organizing such an event at this point in time reinforces our objective of developing an environment for the exchange of ideas towards technological developments. I wish the conference would be able to deliberate on current issues of national and international relevance, particularly in the ever-changing field of Computer Science.

There have been unprecedented numbers of quality papers that are to be presented at the conference. I am sure that this occasion will provide an affable environment for academicians and researchers to share their views and ideas.

I appreciate the organizing committee for showing a keen interest in organizing a successful conference and contributing new ideas and research findings. I congratulate all the participants for their enthusiastic participation and I extend my thanks for their support in the conference.

I wish them for their endeavors to spread knowledge.

Chief Patron

Atlas Mr.M.Nachimuthu,

Chairman, Kongu Educational Trust,

Correspondent, Kongu College of Arts and Science, Karur

MESSAGE OF CONVENER



Dear Professors & Researchers

It is my privilege and honor to welcome you all to the “International Research Conference on Innovation in Computing Technologies(IRCICT- 2022) Department of Computer Science & Computer Applications , Kongu College of Arts & Science, Karur in association with Conference world through Virtual Mode.

The main goal of organizing this conference is to share and enhance the knowledge of each and every individual in this fast-moving Information Era. We have given a good opportunity for those who have a thirst in knowing the present technological developments and also share their ideas. Additionally, this conference will also facilitate the participants to expose and share various novel ideas. The conference aims to bridge the researchers working in academia and other professionals through research presentations and keynote addresses in current technological trends. It reflects the growing importance of Intelligent Computing systems as a field of research Artificial Intelligence & Machine Learning in practice for contribution and better opportunities in the Industries. You will get ample opportunities to widen your knowledge and network. Outside of the conference, I hope that this conference will gives you innovative research ideas and techniques for advanced tools in research dimension.

I want to thank in advance the conference committee for extending their valuable time in organizing the program and all the authors, reviewers, and other contributors for their sparkling efforts and their belief in the excellence of IRCICT - 2022.

I cordially invite all the enthusiasts to participate with full vigor in this celebrated event which can give immense exposure and global opportunities to all.

Dr.K.Kumaravel

Convener – IRCICT 2022

MESSAGE OF ORGANIZING SECRETARY



Dear Professors and Researchers

It is a great opportunity given by this International Research Conference to the researcher's community and also for those who like to publish their papers in Peer Reviewed, Scopus and UGC care list journal at their hand. I am happy that as an Organizing secretary in this conference through Online mode named "International Research Conference on Innovation in Computing Technologies (IRCICT- 2022) and "International Academic Icon Awards" organized by our Department of Computer Science & Computer Applications, Kongu College of Arts & Science, Karur in association with Conference worldand IARDO. I am sure that this conference may also give a great experience for the entire team. Apart from the presentation of papers, many Iconic candidates will get the awards for their achievement during this conference.

The entire world is powered by a computer and its developing technologies. January 1, 1983 is the official birthday of Internet even its innovations started in the year of 1960s and it is going on continuation in development. Every innovation not only related to computing disciplinary and also to various Engineering, Science and technology based. Especially in the field of computer, mobile phones, microprocessors, Robotic surgery in health care community etc. recently. In every decision-making situation, the analytics of data and its advanced technologies appeared and playing its role in a massive manner. Many open-source software and services, GPS, Cloud computing, Online shopping, Social Networking for communications have become the trending fields for research and development. In academic, the papers are not only published by researchers but many industrialists and many faculties play their role and their research work will be the motivation or it may help the worldfor further research work in various disciplines.

I am expecting everyone to utilize this event for their academic life in a better manner. Once again I thank one and all.

Prof. Nithya G

Organizing Secretary

IRCICT-2022

Message of Session Chair



Dear Professors and Researchers

I hope this message finds you well. As the Session Chair for the upcoming International Research Conference on Innovation in Computing Technologies, I am thrilled to extend a warm welcome to all participants, researchers, and industry professionals. Our conference aims to be a melting pot of cutting-edge ideas, breakthroughs, and collaborative discussions in the dynamic field of computing technologies. It's an honor to lead a session that promises to be a platform for insightful presentations, engaging discussions, and the exchange of knowledge that drives innovation.

As we gather to explore the latest trends, challenges, and opportunities in computing technologies, I encourage each participant to embrace this unique opportunity for networking, learning, and forging connections with fellow enthusiasts in the field. I look forward to the rich tapestry of ideas that will unfold during our session, and I am confident that together, we can contribute to the advancement of computing technologies and pave the way for a future of innovation.

If you have any questions or need further information, please feel free to reach out. Let's make this conference a memorable and intellectually rewarding experience for everyone involved.

Damodarrao Thakkalapelli

(IEEE Senior Member)

Vice President, Department of Information Technology,
Bank of America, Plano, Texas, USA

Chief Patron**Atlas. M. Nachimuthu,**

Chairman, Kongu Educational Trust, Correspondent,
Kongu College of Arts and Science, Karur.

Patron**Rtn. S. Sethupathy,**

Academic Advisor,
Kongu College of Arts and Science, Karur.

Hon. Chief Guest**Mr. Dawi Dala Mangari**

Senior Lecturer, Kashim ibrahim Collge of Education , Nigeria

Keynote Speakers**Dr. Mohan Kumar. M**

Associate Professor, Dept. of Computer Science, IT & CA
Karpagam Academy of Higher Education Coimbatore, Tamil Nadu

Prof. S. Kannadhasan

Assistant Professor, Department of Electronics and
Communication Engineering
Cheran College of Engineering, Karur, Tamilnadu,

Mr. Chitra Sabapathy Ranganathan,

Associate Vice President, Mphasis Corporation, Chandler, Arizona

Topic: Developing a predictive model for identifying fraudulent financial transactions using machine learning techniques

Convenor**DR. K. Kumaravel,**

Principal,
Kongu College of Arts and Science, Karur.

Co-Convenor**Dr. A. S. Boominathan,**

Vice Principal,
Assistant Professor and Head
Department of Business Administration,

Kongu College of Arts and Science, Karur.

Organizing Secretary

Ms. G. Nithya,

Assistant Professor and Head,
Department of Computer Applications,
Kongu College of Arts and Science, Karur.

Program Coordinator

Ms.L.Muthulakshmi,

Assistant Professor and Head,
Department of Computer Science,
Kongu College of Arts and Science, Karur.

Organizing Committee

Mr.P.Vadivel / Assistant Professor
Mr.A.Ananthabadmanaban / Assistant Professor
Mr.U.SelvaKumar / Assistant Professor
Mr.R.DineshKumar / Assistant Professor
Ms.P.Nandhini/ Assistant Professor
DR.M.Uma / Assistant Professor
Ms.K.Sathya / Assistant Professor
Ms.V.Boomathi / Assistant Professor
Mr.A.Rathinaselvan / System Administrator
Ms.M.R.Punithavathy / Technical Assistant

All papers will undergo a double blind peer review process and the criteria for acceptance will be based on quality, originality, technical content and relevance.

Proceeding of the conference has been published with **ISBN: 978-93-91535-24-7**

International Research Conference on Innovation in Computing Technologies [IRCICT-2022] Organized by: KONGU COLLEGE OF ARTS AND SCIENCE, Dheeran Chinnamalai Nagar, Vennaimalai, Karur, (Affiliated to Bharathidasan University, Trichirapalli) through online with the collaboration of IARDO and Conference World on **26th February 2022**

Total 115 papers were received for the conference and 32 papers were shortlisted by the committee.

1. Accepted papers will be published in the peer reviewed international journals having ISSN & High Impact factor.
2. Selected Papers will be published in the UGC Care listed international journals having ISSN & High Impact factor.
3. Few very good quality Papers will be published in the Scopus indexed journal having ISSN & High Impact factor.
4. Author will get certificates, one for paper publication in Journal other for paper presentation in conference as per their choice
5. All the papers of the conference will be published in the conference proceeding with ISBN.
6. All the accepted and presented/Non Presented papers will be indexed in Google scholar & IDIIF.

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