



**International Conference on  
Computer Science, Engineering  
and Applications  
(ICCSEA 2021)**

***VENUE***

**KU Home, Kasetsart University, Chatuchak, Bangkok, Thailand**

**31st July 2021**

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**International Conference on  
Computer Science, Engineering  
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**Editors**

**DR .MIHIR D KALAMBI**

**DR. VALY VATSAPHONG**

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## *Preface*

International Association of Research and Developed Organization (IARDO) is a leading organization in the field of academic research activities under the banner of India Educational Charitable Trust (Regd).

International Association of Research and Developed Organization (IARDO) is an apex body that promotes and encourages commendable achievements from all over the country. The organization under conference world regularly organizes national and International level conferences with the help of its members to promote socially responsible education practices and sustainable development in economic as well social front in India.

In past, we have organized international conferences in different universities and colleges of the country like The International Centre Goa, Goa, KU Home, Kasetsart University, Bangkok, Thailand and many other renowned organizations in India..

We are very pleased to introduce the proceedings of the International Conference on Multi- Disciplinary Research and Innovation. 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 15 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, 01 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 Conference**

International Conference on Computer Science, Engineering and Applications (ICCSEA 2021) is a global event organized by IARDO at KU Home, Kasetsart University, Chatuchak, Bangkok, Thailand. This conference provides an international forum for researchers, developers, engineers and practitioners who are involved in real time projects that provide solutions to exchange their valuable ideas and showcase the ongoing works which may lead to path breaking foundation of the futuristic engineering. It accentuates indispensability of interdisciplinary and cross – linked thinking with respect of innovation and market opportunities. Selected papers will be published in UGC Care Listed International Journal with ISSN & Conference proceeding having ISBN .

### **Conference Convener**

Ms. Sonu Mishra

### **Conference Coordinator**

Dr Mihir D Kalambi

### **Speaker**

Dr. Anil Rajput

Dr. RaviShanker

### **Invited talk on**

‘Fundamentals of Mathematical Modeling in Ecology’

by

**Dr. K. V. L. N. Acharyulu,**

Associate Professor, Dept. of Maths,  
Bapatla Engineering College, Bapatla.

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International Conference on Computer Science, Engineering and Applications(ICCSEA 2021) was organized at Pramila Thackersey Committee Room, SNTD Women's University, Juhu Campus, Mumbai on 31st July 2021. Total 35 papers were received for the conference and 15 papers were shortlisted by the committee.

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