



ICT GLOBALIZATION & AUTOMATION

ICTGA-18

ORGANIZED BY:



***IIMT COLLEGE OF ENGINEERING,
GREATER NOIDA***

***(DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY)
DEPARTMENT OF ELECTRONICS ENGG***

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Editors

PROF (DR.) D.R SOMASHAKER

PROF. (DR.) SEEMA NAYAK

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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 *ICT Globalization & Automation-2018*. 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 44 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 Conference

ICT Globalization & Automation-2018 is a global event organized by IIMT College of Engineering, Greater Noida , India (Department of Electronics and Communication) & Conference World. 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. All the accepted paper will be published in International Journal with ISSN & Conference proceeding having ISBN without any additional fee.

About IIMT Group

The IIMT Group of colleges was founded in the year 1994. Since then the group has grown impressively and achieved exemplary recognition from corporate, academia, and professional circles. Top management college in delhi ncr, Best mba college in u.p., Best mca college in u.p.

At IIMT we are committed to provide a value driven culture along with creating a professional environment. The IIMT as a group is large and diversified group and imparts knowledge in field of Engineering, Management, Medical Sciences, Hotel Management, Nursing, Education, Law etc. The IIMT group has more than 1330 highly qualified and experienced faculty members in their respective functional areas. IIMT boasts of having more than 20,000 students in various courses in five campuses.

The IIMT group has been dedicated towards providing quality professional education through well-accredited courses, seminars, conferences, guest lectures, Industrial visits and excellent academic facilities. At IIMT, we believe in all round development of students with strong foundation based on pillars of knowledge, intellect and values. The programs are structured to keep pace with the present dynamic and globalized scenario meeting the requirement of industry and education. We are dedicated to deliver excellence in our academic programs.

The IIMT Group of colleges attracts students from all part of the country which is testimony to our experience and excellence in the field of professional studies. The IIMT Group has attained a highly respectable position amongst the best professional educational institutions in India.



MESSAGE FROM THE DESK OF CHAIRMAN

It is a matter of immense pleasure that Electronics & Communication Engineering Department of IIMT College of Engineering, Greater Noida is organizing a International Conference on “ICT Globalization & Automation - 2018 ” on 12th -13th April, 2018.

It is only due to hard work and potential put in by the members of organizing committee, that the conference could be realized.

“Impossible is made possible by those who are Visionaries and have abilities to perspire and persist.”

The theme chosen for the conference is very much relevant in the present context of technological revolution and global development.

I am confident that the deliberations in the conference will help in suggesting ways and means for applications of Communication techniques in engineering covering all spheres of life which would be an important factor for the overall development of the nations.

I extend my best wishes for grand success of this International Conference.

Sd/-

Shri. Yogesh Mohan Gupta Ji

Chairman

IIMT GROUP OF COLLEGES



MESSAGE

Our basic motto is to impart value based and practice oriented education, therefore Department of Electronics & Communication Engineering, IIMT College of Engineering, Greater Noida is playing an important role in this direction by organizing a International Conference on “ICT Globalization & Automation - 2018 ” on 12th -13th April, 2018 at IIMT College of Engineering , Greater Noida.

I extend my best wishes to the organizers and participants and wish the event great success.

Sd/-
Shri. Abhinav Agarwal
(Vice Chairman)
IIMT GROUP OF COLLEGES



MESSAGE

I am extremely happy to know that the Department of Electronics & Communication Engineering, IIMT College of Engineering, Greater Noida is organizing International Conference on “ICT Globalization & Automation - 2018 ” on 12th -13th April, 2018.

This conference is being organized at a time when the field of Electronics is witnessing revolutionary changes. The application of Electronics in Engineering and Science is need of the day to improve the quality life of common man such as online patient monitoring and biomedical instrumentation.

I hope that the deliberations in the conference will help in evolving ways and means for applications of Communications in Engineering and Science covering all spheres of life in a fruitful manner.

I extend my best wishes & greetings to the organizers and participants for the grand success of this conference.

Sd/-
Shri. Mayank Agarwal
(Secretary General)
IIMT GROUP OF COLLEGES

Conference Core Committee



DIRECTOR'S DESK

The **IIMT College of Engineering** is always abuzz with a Plethora of activities and has become a dynamic venue where brilliant minds from all over the world converge and share their vast reserves of knowledge and skills. It has been a real honour and privilege to serve as the Chair of the Conference.

A thought that has been enduring in mind when it becomes real, is truly an interesting and exciting experience. It is a great honour and privilege for me to welcome all researcher participants for **International Conference on "ICT Globalization & Automation - 2018" on 12th -13th April, 2018.**

. I congratulate HOD,ECE, Convener, Co-ordinator & all organizing members for conducting **ICT Globalization & Automation - 2018**

Prof. (Dr.) D.R. Somashekhar
Director, IIMT College of Engineering

CONVENER MESSAGE



It is a matter of great pride that the Department of Electronics and Communication , IIMT College of engineering, Greater Noida is organizing a **International Conference on “ICT Globalization & Automation - 2018 ” on 12th -13th April, 2018.**The organization of **ICT Globalization & Automation - 2018** required hard work, dedication and time of the faculty members of our Institute and a resolute support from the management.

We owe our deep sense of gratitude and appreciation to the key note speaker, members of Advisory Committee and members of Technical Committee who kindly spared their valuable time for the conference. I wish to record special thanks to our Managing Director, Shri Mayank Aggarwal ji for his continued encouragement and to the Director Dr. D. R. Somashekar, for his guidance and motivation.

I am thankful to all the faculty members and technical staff, for their unstinted technical and administrative support.

I hope that all the participants will find the conference enjoyable and fruitful.

I would welcome suggestions and comments to help us improve further.

Prof.(Dr.) Seema Nayak
Convener
HOD-ECE

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Total 101 papers were received for the conference and 44 papers were shortlisted by the committee.

All the accepted and presented papers of the duly registered authors will be published in the UGC Approved International Journals

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