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**INTERNATIONAL CONFERENCE ON
ADVANCEMENTS IN ENGINEERING,
TECHNOLOGY AND SCIENCES**

ICAETS-2018

ORGANIZED BY:



DHAANISH AHMED COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi and Affiliated to Anna
University, Chennai)
Dhaanish Nagar, Padappai (Near Tambaram),
Chennai – 601301.

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Editors

PROF. (DR.) V. R. GHORPADE

PROF. KADAM V S

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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 *2 Days, International Conference on Advancements in Engineering, Technology and Sciences 2018 at Dhaanish Ahmed College of Engineering, Chennai*. 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 100 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, 11 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 Conference

The purpose of 2 Days, International Conference on Advancements in Engineering, Technology and Sciences 2018 is to bring together leading researchers, engineers and scientists in the domain of interest from India. We warmly welcome previous and prospected authors, submit your new research papers to ICAETS 2018 , and share the valuable experiences with the scientist and scholars. The theme of the conference is 'Smart Technology'. All full paper submissions will also be peer reviewed and evaluated based on novelty, technical and/or research content, relevance with the theme and contributions. Selected Papers will be published in conference proceedings with ISBN numbers. Participant who wishes to publish their papers in UGC approved, international Journal will be published without additional fee.

About the College

The Ayanavaram Educational Trust was formed in the year 1980 by our founder Chairman Alhaj. K. Moosa, with a noble aim of promoting social and technical higher education. The Dhaanish Ahmed College of Engineering (DACE) was started with three UG programs (CSE, ECE, EEE) in the year 2002. Currently, offering six UG programs and three PG programs in various disciplines. It is a Muslim minority institution approved by AICTE, New Delhi and is affiliated to the Anna University. The prime concern of the entire institution is to develop creativity that technology anticipates and impart quality education to enable students to build a great future for them. Our college carries ISO 9001:2015 BUREAU VERITAS certification..

Conference Highlights:

1. All the accepted and presented/Non Presented papers of the duly registered authors will be published in the special conference issues of the international journals approved by UGC having ISSN & Impact factor.
2. Every author will get two certificates, one for paper publication in Journal other for paper presentation in conference.
3. Registration kit for each papers those will attend the conference at venue.
4. All the papers of the conference will be published in the conference proceeding with ISBN.
5. All the accepted and presented/Non Presented papers will be indexed in Google scholar & IDIIF.

MESSAGE OF CHAIRMAN



It is a matter of great pride that DHAANISH AHMED COLLEGE OF ENGINEERING in collaboration with Conference World is going to hold its International Conference on Advancements in Engineering, Technology and Sciences (ICAETS 2018)". Recently research works have gained momentum in the myriad domains of Engineering and Technology in tune with India's call for 'Make in India'. The recent innovations have definitely provided the much needed acceleration to the economic growth of the country. I hope this conference will hold a series of intellectually interactive sessions and intensive deliberations by scholars and technical experts participating in it and illuminate the audience by their erudite discourses. I am sure that this conference would greatly benefit researchers, students and faculty. Young scientists and researchers will find the contents of the proceedings helpful to set roadmaps for their future endeavors.

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

(Alhaj K. Moosa)
Chairman

MESSAGE



I am happy to learn that our institute is organizing an International “**International Conference on Advancements in Engineering, Technology and Sciences**” (ICAETS 2018) and that a souvenir is being published on this occasion.

The conference will feature Plenary/Keynote talks, workshops, parallel technical sessions.

I congratulate the organizing team of DACE for organizing such a great event and providing a platform for interaction of experts and researchers through the conference. I have no doubt that the suggestions made by experts/speakers during the presentation will enhance the skill of researchers. I wish the conference a great success.

(Mr.M.Kadar Shah)
Secretary

MESSAGE



The **DHAANISH AHMED 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 Advancements in Engineering, Technology and Sciences (ICAETS 2018) on 16th – 17 th March 2018.**

I congratulate Convener, Co-ordinator & all organizing members for conducting such a Great Event .

(Dr.K.Raja)
Principal

MESSAGE



I feel delighted and privileged, as Convener, to host ICAETS 2018, our International Conference on Advancements in Engineering, Technology and Sciences and take pleasure to welcome all the academicians, technical experts and participants from various universities and institutes to this conference.

This event will provide a platform to the professionals, academicians, research scholars & students of various disciplines to put forward their thoughts and vision to provide awareness about recent developments and innovations in the field of science and engineering.

I am thankful to our honorable Chairman and respected Secretary and Principal for encouraging and guiding us to organize this international conference. I would also like to express my sincere thanks and gratitude to the Conference World team and members of organizing committee of ICAETS 2018, who have worked tirelessly to organize this conference and ensure its grand success.

(Convener)
Dr.A.Kalaimurugan,
Professor in EEE Dept.

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Total 189 papers were received for the conference and 100 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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