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8TH NATIONAL CONFERENCE

ON

'EMERGING TRENDS IN ENGINEERING AND
TECHNOLOGY'

NCETET-2018

ORGANIZED BY:



Bharati Vidyapeeth's College of Engineering, Kolhapur

Accredited by NAAC with 'A' Grade

**(Approved by AICTE, New Delhi and Affiliated to
Shivaji University, Kolhapur)**

PART-II

10TH MARCH 2018

ISBN: 978-93-87793-03-3

**8TH NATIONAL CONFERENCE
ON
'EMERGING TRENDS IN ENGINEERING AND
TECHNOLOGY'**

NCETET-2018

Editors

PROF. (DR.) V. R. GHORPADE

PROF. KADAM V S

Publish By:

A.R. Research Publication

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, Vedant Engineering Kota and many more places across the country.

We are very pleased to introduce the proceedings of the *8th NATIONAL CONFERENCE On 'Emerging trends in Engineering and Technology' (NCETET-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 159 suitable papers were submitted for presentation at the conference.

Papers were well represented in the conference to arouse a high level of international interest. 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 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 national conference on Emerging trends in engineering and technology (NCETET-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 NCETET-2018, and share the valuable experiences with the scientist and scholars. 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 with nominal additional fee.

About the College

Bharati Vidyapeeth, the parent body of Bharati Vidyapeeth's College of Engineering, Kolhapur and other Bharati Vidyapeeth campuses, is one of the largest networks of educational institutions in India. It was established by honorable Dr. Patangraoji Kadam in 1964. Bharati vidyapeeth has 182 institutes at Pune, New Delhi, Navi Mumbai, Solapur, Kolhapur, karad and Sangli. Bharati vidyapeeth also has an overseas campus at Dubai. Bharati Vidyapeeth has total six engineering colleges. Bharati Vidyapeeth's College of Engineering, Kolhapur started in year 2001. Presently there are four UG courses and three PG courses running in the institute. The institute is accredited by NAAC with A grade. The institute provides a innovative learning environment for students to enhance their creative skills, utilize their potential in becoming in capable engineer.

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

I am happy to learn that our institute is organizing an national Conference on “**Emerging trends in Engineering and Technology**” (NCETET) and that a souvenir is being published on this occasion.

NCETET, 2018 is being organized in association with “**Conference World**”, New Delhi. The accepted papers in NCETET, 2018 will be published in the proceeding of the International Journals with ISBN and in associated International journals with ISSN.

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

I congratulate the organizing team of **BVCOE, Kolhapur** 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 conference a great success.

PROF. (DR.) V. R. GHORPADE

Principal
BVCOE, KOLHAPUR



MESSAGE

I feel delighted and privileged, as a Convener, to host NCETET-18, our 8th National Conference on “**Emerging trends in Engineering and Technology**” 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 Secretary Hon. Dr. Vishwajeet Kadam for encouraging and guiding us to organize this national conference. I would also like to express my sincere thanks and gratitude to the Conference World team and members of organizing committee of NCETET-18, who have worked tirelessly to organize this conference and ensure its grand success.

(Prof. V S Kadam)
Convener
NCETET-18

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Proceeding of the conference has been published with **ISBN: 978-93-87793-03-3**

8th NATIONAL CONFERENCE on 'Emerging trends in Engineering and Technology' (NCETET-2018) was organized by **Bharati Vidyapeeth's College of Engineering, Kolhapur** with the collaboration of AR Research Publication and Conference World on **10th March 2018**

Total 310 papers were received for the conference and 159 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

Published by

AR Research Publication,

3/186 Santpura Govindpuri Modinagar-201201 . Dist: Ghaziabad

8th NATIONAL CONFERENCE on 'Emerging trends in Engineering and Technology' (NCETET-2018) (Vol-01) Copyright © 2018, by AR Research Publication (India)

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This edition can be exported from India only by the publishers, AR Research Publication (India)
ISBN: 978-93-87793-03-3

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