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**7<sup>TH</sup> INTERNATIONAL CONFERENCE ON  
RECENT TRENDS IN ENGINEERING,  
SCIENCE & MANAGEMENT**

**ICRTEISM-17**

**VENUE:**

**GENBA SOPANRAO MOZE COLLEGE OF ENGINEERING,  
BALEWADI-BANER, PUNE, INDIA**

**ON**

**01<sup>ST</sup> -2<sup>ND</sup> APRIL 2017**

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**ICRTESM-17**

**Editors**

**DR. FAROOK BASHIR SAYYAD**

**DR. VITTHAL TALE**

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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 *7th International Conference on Recent Trends in Engineering, Science & Management (ICRTESM-17)*. 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 225 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, 07 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.

Proceeding of the conference has been published with **ISBN: 978-93-86171-12-2**

Genba Sopanrao Moze College of Engineering, Balewadi-Baner, Pune (India) is helping students gain theoretical and working knowledge. It has been successful in adopting innovative educational tools in education for preparing the students to meet the challenges. Such a profuse result is the hosting of a "*7th International Conference on Recent Trends in Engineering, Science & Management (ICRTESM-17)*" held at on 01<sup>st</sup>-2<sup>nd</sup> April 2017

Total 423 papers were received for the conference and 225 papers were shortlisted by the committee.

## **ABOUT GSMOZE COE**

With the blessings of our divine source of inspiration Lord Vitthala ,Genba Sopanrao Moze College of Engineering was established in year 1999.Our focus is to provide quality technical education with premium technical institutions in India. The college is approved by AICTE New Delhi , Government of Maharashtra and affiliated to Savitribai Phule Pune University, Pune.

The college offers the best ambience for academic pursuit with all amenities.It is well connected by public transport system to all important locations in and around Pune.The institute offers five undergraduate Engineering Programmes namely Mechanical Engg,Civil Engineering,Electronics & Telecommunication ,Computer Engineering and Information Technology.

The rapid growth and industrialization has put an immense pressure on technical training institutes to mould out professionally competent young engineers to cater for the needs of the industry. We have dedicated ourselves to the cause of technical education for fulfilling the aspirations of the upcoming generations and the ever increasing needs of industry with the excellent facilities that we have built.

In the world governed by technology, we put in our sincere efforts to keep pace with the rising demands of technology. The Institute stands for excellence, perfection and discipline. Our major focus and our concern are our students and our institution strives to impart the best knowledge in the most disciplined manner.

## **President Message**



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**President**  
**Hon. Shri. Rambhau Moze**

## **Director Message**

Our mission is to develop a quality education system, centre of excellence with synergy to explore innate abilities of students. We encourage teaching & learning through innovative practices for value based education.

Our perception for institute is to:-

- 1.Be the world class research intensive
- 2.Deliver teaching and facilitate learning of highest quality,
- 3.Relay leading role in economic, social, cultural, and industrial development of the nation.
4. Overall development of the students at highest level of satisfaction.

In addition to excellent education we strive for leading edge research with the scholarship, from variety of enterprise and volunteering activities, student societies, and active presence in recreational and competitive sport.

We have qualified and experienced faculty to take up the responsibility of knowledge transfer. We have an excellent infrastructure & environment friendly atmosphere. Training & placement cell takes the responsibility of aptitude training and communication skills. Our aim is to achieve hundred percent placements. The students learn engineering to take up fresh challenges of the industry & research. Higher education in engineering is the driving force of nation building. Our contribution to achieve the national goal of becoming a 'developed country' is positive & firm.

**Dr. Ashok A. Ghatol**

**B E (Elect),M Tech (Elect),Ph.D.(elect) I I T Bombay**

## Principal Message



I welcome you all to G.S. Moze college of engineering, Balewadi, Pune. It is widely acknowledged that engineers are the backbone of the society and have great responsibility towards development of the nation as also the mankind. 'Engineering' is the science of applying scientific concepts for improving quality of life. It essentially deals with application of technology and balances the realm of pure knowledge and its use.

The evolution of the institute over the past two decades has witnessed strong blend of state-of-the-art infrastructure and intricately intertwined human resource committed to provide professional education with thrust on creativity and innovation.

It is the aim of the Management and Faculty who are committed to continually improve and deliver competitive quality technical education to the utmost satisfaction of students, their parents and the potential employers.

It is a matter of great pleasure and pride that the college is providing an excellent quality of education and mentoring for the students, aspiring to be competent professionals in technology and management. Research projects have been initiated in this college for the benefit of students, faculties and development of this region as well as for the society at large.

I feel happy and delighted to welcome our incoming students and my best wishes for their brilliant academic career.

### **Incharge Principal**

**Dr. Farook Bashir sayyad**

**M.E. , Ph. D(Mechanical Vibration)**

**Chief Patron:**

Hon. Shri. Rambhau Moze, President Genba Sopanrao

Moze Trust, former MLA, Maharashtra State

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**Speaker :**

Dr. K. P. Karunakaran, Professor, IIT Mumbai

Dr. A. M. Fulambarkar, Principal, PCCOE, PUNE

Dr. Navnath Narwade, Principal, P G Moze COE, Pune

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