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**13TH INTERNATIONAL CONFERENCE ON  
RECENT INNOVATIONS IN SCIENCE,  
ENGINEERING AND MANAGEMENT-2018**

**ICRISEM-18**

**ORGANIZED BY:**



**SHRI VENKATESHWARA SHIKSHAN SANSTHA,  
NANASHEB MAHADIK COLLEGE OF ENGINEERING**

(APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO  
SHIVAJI UNIVERSITY KOLHAPUR)

PETH NAKA, TALUKA- WALWA, DIST: SANGLI

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**Editors**

**PROF.A.K.PAREKH**

**PROF..A.A.PATIL**

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*Publish By:*  
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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 *13th International Conference on Recent Innovations in Science, Engineering and Management-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 110 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 the Conference**

13th International Conference on Recent Innovations in Science, Engineering and Management-2018 (ICRISEM-18) is a global event organized Shri Venkateshwara Shikshan Sanstha, Nanasahab Mahadik College of Engineering (Approved by AICTE, New Delhi and Affiliated to Shivaji University, Kolhapur) Peth Naka, Taluka- Walwa, Dist: Sangli & 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 the College**

Shri Venkateshwara Shikshan Sanstha has started Nanasahab Mahadik College of Engineering in the year 2011. The institute is approved by All India Council for Technical Education (AICTE), New Delhi and affiliated to Shivaji University, Kolhapur as well as first year of academic year 2017-18 is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere.

The integrated campus is situated on Poona-Bangalore National Highway (NH4) near Peth Naka, and well connected by all modes of transport (22 kms from Sangli, 45 kms from Kolhapur and 25 kms from Karad). The incorporated campus is spread over an area of 11.32 acres in a serene and refreshing ambience, surrounded by

greenery. The spacious campus contains main building, hostels for boys & girls, workshops with a built-up area of around 15677.47 Sq.mtr. canteen, an innovative waste recycling system and gardens.

The vast exposure and experience of its founders has helped NMCOE (Nanasaheb Mahadik College of Engineering) to establish its identity as an Institute of repute in the field of Engineering and Management education. The Institute is standing for its high academic benchmark, excellent infrastructure, young and dynamic and well discipline faculty. The structure embraces within its fold classrooms, drawing halls, laboratories, seminar halls, library, canteen, open-air auditorium, and a gymnasium. The interiors have been crafted keeping in mind the fact that ambience does inspire and stimulate intellectual endeavours. The playground overlooking the main building is where all the outdoor activities are held.

Enhancing students' educational experience by divulging quality education and developing as student a good citizen is our motto by providing state-of-art infra and industry featuring labs. Our dedicated faculty provides magnificent support to achieve better values and future status of life.

### **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.
6. Research Paper in absentia is also acceptable.

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Total 415 papers were received for the conference and 137 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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