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**7TH INTERNATIONAL CONFERENCE ON RECENT
INNOVATIONS IN SCIENCE, ENGINEERING AND
MANAGEMENT**

RISEM-16

**The Institution of Engineers,
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Editors

DR. A. K. SHARMA

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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, International Conference Centre , Goa, 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 Innovations In Science, Engineering and Management (RISEM-16)*. 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 52 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, 02 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.

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7th International Conference on Recent Innovations In Science, Engineering and Management (RISEM-16) was organized at **The Institution of Engineers, New Delhi (India) on 16 September 2016**

Total 164 papers were received for the conference and 52 papers were shortlisted by the committee.

All the accepted and presented papers of the duly registered authors will be published in the following international journals

- International Journal of Advance Research in Science and Engineering (IJARSE, ISSN- 2319-8354) [www.ijarse.com]
- International Journal of Advance Technology in Engineering & science (IJATES, ISSN-2348-7550) [www.ijates.com]
- International Journal of Science Technology and Management (IJSTM, ISSN-2394-1537) [www.ijstm.com]
- International Journal of Innovative Research in Science and Engineering (IJIRSE, ISSN- 2454-9665) [www.ijirse.com]
- International Journal of Electrical & Electronic Engineering (IJEED, ISSN-2321-2055) [www.ijeed.co.in]

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