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**10TH INTERNATIONAL CONFERENCE ON
RECENT TRENDS IN ENGINEERING
SCIENCE AND MANAGEMENT**

ICRTEISM-17

ORGANIZED BY:

**NEWTON'S INSTITUTE OF SCIENCE & TECHNOLOGY
GUNTUR DIST, ANDHRA PRADESH,
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Editors

DR.N. ARUNA KUMARI

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

We are very pleased to introduce the proceedings of the *10th International Conference on Recent Trends in Engineering Science and 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 81 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 Newton's Institute of Science & Technology

Newton's Institute of Science & Technology Established in 2010 by Lincoln's educational society, AICTE approved and affiliated to JNTU University. The sprawling college campus stands on 35 acres of landscaped grounds out of which carpet area of 1,20,000 sft includes constructed buildings. The modern building is situated in a pleasant location surrounded by lush of greenery. The campus also has a large playground for student's recreation. Well equipped electronic, computer, electrical & Mechanical labs have been constructed with all fully furnished devices as per AICTE and JNTU specifications.

Chairman

Sri. Krishna Mohan Reddy Kunduru, the Chairman of Newton's Group of Institutions, is capable of leading the institutions as a genuine team member. Positive and keen to succeed, he has exceptional interpersonal skills with an aptitude for building rapport with a diverse range of people. He is

dynamic, hard-working and modest person. He can impress anyone with his pleasing manners. He rightly inherited the quality of associating with the developmental activities of the society from his father, who is a philanthropist. He can remain professional and courteous in fast-paced dynamic environments. A person with cheerful disposition, hospitality and excellent service spirit, he is an independent, self-motivated forerunner

Secretary & Correspondent

Sri. J. Srinivasa Reddy is an Educationalist and receptive to the anticipated changes and developments in the field of Education. He is the Secretary of Newton's Group of Institutions, Chairman to Chakradhar Group of Institutions, Vice Chairman to Vagdevi Institutions. He is with the Institution since its inception. A pragmatist to the core, he can evaluate situations objectively and achieve what is practically possible. Over the years he is successful in establishing different institutions in Palnadu region. He is proficient in planning, developing strategies, evaluating plans and making easy interpersonal relations. He has succeeded in setting new benchmarks for successful people-management.

Academic Director

Mr. Nagarjuna Reddy Kunduru received B.E. in Computer Science & Engineering from Kuvempu University, India and M.S. in Computer Information systems from University of Houston, Clearlake, USA. He started his career as security software engineer in Identity Alliance, Fort Wayne, where he developed security applications for smartcards. He worked as software engineer in Fannie Mae, Virginia which is one of the two US government mortgage companies and developed financial service applications. And the last 3 years of his stay in USA, he worked for Wincor Nixdorf a German company which is the World No.2 in ATM manufacturing and many banking, retail and recycling hardware and develops server side high end secured banking applications.

He worked as PC/E software developer responsible for developing ATM banking server side, client side software for three different projects in Wells Fargo Bank. He came to India with a specific mission of developing the Newton's Group of Institutions. He has taken charge of the quotidian function of the institution as an active management personal. He has a vision to develop the institute and he spends most of his time for the developmental activities of the institute.

Since 2010, he is the Academic Director of Newton's Group of Institutions. His technical experience in the field of computers for more than 10 years has helped the institution to establish IT server room with huge infrastructure and related software for automation of student, staff and daily activities of the college. All these new innovative works are helping the student utmost in making themselves self sufficient. He is very passionate in establishing Research and Development (R&D) laboratories in all disciplines in the Newton's Group of Institutions. His efforts for innovative curriculum, percolating research culture, supporting our innovative student teams and upgrading our infrastructure with a commitment are moving further the institute to the pathways of excellence.

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Total 215 papers were received for the conference and 81 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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