



**INTERNATIONAL CONFERENCE ON
RESEARCH IN ENGINEERING AND TECHNOLOGY
(RET-2021)**

ORGANIZED BY:

BUDDHA INSTITUTE OF TECHNOLOGY

A.K.T.U. CODE 525 (APPROVED BY A.I.C.T.E. & AFFILIATED TO A.K.T.U.)
CL-1, SECTOR-7, GIDA, GORAKHPUR – 273 209 (U.P.) PHONE : 0551-2580413 /
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IN ASSOCIATION WITH:

CONFERENCE WORLD AND IARDO

WWW.CONFERENCEWORLD.IN & WWW.IARDO.COM

02 JULY 2021

ISBN: 978-81-952307-1-6

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Editors

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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, 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 *International Conference on Research in Engineering and Technology (RET-2021)*. 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, 14 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 Conference

International Conference on Research in Engineering and Technology (RET-2021) is a global event organized by Buddha Institute of Technology , GIDA, Gorakhpur – 273 209 (U.P.) A.K.T.U. CODE 525 (Approved by A.I.C.T.E. & Affiliated to A.K.T.U.) in association with International Association of Research and Developed Organization (IARDO) & Conference World conducted through Google meet. 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. Accepted paper will be published in International Journal with ISSN Approved by UGC . Selected papers will be published in Scopus Index Journals. All Accepted papers will be published in Conference proceeding having ISBN .

About the College

The Buddha Institute of Technology (BIT) was set up by Peoples Education Society (PES) in the year 2009. BIT is situated along Gorakhpur- Lucknow National Highway # 28 and at a distance of 10 kms from Gorakhpur railway station, and 12 kms from airport. It imparts quality technical education by providing conducive environment of high standard to mould young minds. The institute is making foray into the newer areas of academic endeavors in tune with the changing times. Life at BIT is blend of sincerity, hard work and fun. Campus life is vibrant and full of enthusiasm. The caring nature of the students and staff and the culture of respecting the sentiments of one another promote the healthy growth of the students.

We believe in active learning system and participative teaching methodologies. With the class room teaching for imparting the theoretical/practical and conceptual knowledge, the group learning through different techniques are also encouraged to enhance various skills, abilities and efficiencies in the communication, leadership, logical analysis etc. among the students to make them capable of coping up with the challenges emerging out of the changing environment of industries and trade.

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Proceeding of the conference has been published with **978-81-952307-1-6**

International Conference on Research in Engineering and Technology (RET-2021)

organized by **Buddha Institute of Technology** A.K.T.U. CODE 525 (Approved by A.I.C.T.E. & Affiliated to A.K.T.U.) CL-1, Sector-7, GIDA, Gorakhpur – 273 209 (U.P.) **on 08th-9th July 2021**. Total 145 papers were received for the conference and 110 papers were shortlisted by the committee. The Conference was took place through online Google platform. 7 tracks were run in parallel in two sessions during these two days.

Published by

AR Research Publication,

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

International Conference on Research in Engineering and Technology (RET-2021) (Vol-1)

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This edition can be exported from India only by the publishers, AR Research Publication (India)

ISBN: 978-81-952307-1-6

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Cover Design: Abhishek Sharma