

**Multidisciplinary
International Conference on Innovations
in Engineering, Science &
Technology**

ICIEST-2023

Organized By:



**Department of Mechanical Engineering
Ajeenkya DY Patil School of Engineering**

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Preface

Conference word and AR Research Publication is a fast-growing group of academicians in Engineering, Sciences, and Management. A R Research Publication is also known for its fast reply and zero-error work. The conference world has organized 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 Venknteswara College of Engineering and Technology, Andhra Pradesh, Vedant Engineering Kota and many more places across the country.

We are very pleased to introduce the proceedings of the Multidisciplinary International Conference on Innovations in Engineering, Science & Technology. The Recent Innovations & Development in field of Engineering and Technology were 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 45 suitable papers were submitted for presentation at the conference.

Papers were well represented at the conference to arouse a high level of international interest. 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. The program was chaired professionally and efficiently by the session chairmen also highly gratifying, showing the high level of interest in the subject. This Proceeding provides a 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 authors 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

The central motive of the International Conference is to throw up a number of new ideas and solutions to address the present-day challenges in the fields of Engineering, Economics, Computer Science, Management, Mathematics, and Social Science & Technology. The scope of the conference is broad and covers many aspects of international research prospective. This conference aims to provide a scholarly platform for participants to publish their research in reputed International Journals. The authors have incredible opportunity to present their research virtually and present findings worldwide that will not only help them gain the necessary exposure that they need to make their research work known in global scientific circles but also open the door to incredible opportunities for collaboration and conducting further research.

About IARDO

International Association of Research and Developed Organization (IARDO) is a leading organization in the field of academic research activities under the banner of India Educational Charitable Trust (Regd).

International Association of Research and Developed Organization (IARDO) is an apex body that promotes and encourages commendable achievements from all over the country. The organization under conference world regularly organizes national and International level conferences with the help of its members to promote socially responsible education practices and sustainable development in economic as well social front in India.

About the College

Ajeenkya DY Patil School of Engineering was established in 2010. The Institute is approved by all India Council for Technical Education (AICTE), New Delhi, Directorate of Technical Education (DTE), Mumbai and Govt. of Maharashtra and is affiliated with Savitribai Phule Pune University. The institute is accredited by NAAC, NIRF, NABL, and ISO 9001:2015 and 21001:2018.

As the demand for Engineers and Managers continues to grow, Ajeenkya DY Patil School of Engineering is focused on preparing students for the infinite number of opportunities available. Our vision would surely make us the preferred institution in the country and abroad. This makes Ajeenkya DY Patil School of Engineering uniquely qualified to provide talented students, with the type of broad technological and

management education demanded in a rapidly changing world. The institute offers engineering programs in Civil Engg., Mechanical Engg., Electronics and Telecommunication Engg., Automobile Engg., Computer Engineering and Artificial Intelligence and Data Science Engg. The institute also offers PG courses in Mechanical, Civil, E&TC and Computer Engineering. The Institute has dedicated faculty members and staff and is well-equipped with laboratory equipment.

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