



# ICRASEM - 2022

25<sup>th</sup> January 2023

## Proceedings of 7<sup>th</sup> International conference on Recent Advances in Science, Engineering and Management

Organized by

### TAGORE ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)

Rathinamangalam, Vandalur-Kelambakkam Road, Chennai - 127

Phone : +91 - 044 - 22299400 - 10, [www.tagore-engg.ac.in](http://www.tagore-engg.ac.in)



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**Prof. Dr. M. Mala, M.A., M.Phil.**  
Chairperson



### **Chairperson's Message**

I am glad that the elites from the Department of Aeronautical Engineering, Civil Engineering, Computer Science Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering, Information Technology, Science and Humanities, and Master of Business Administration are conjoined in organizing an "**International Conference on Recent Trends in Science, Engineering and Management (ICRASEM-2022)**" and are publishing the conference proceedings on the rejoiceful occasion. I am confident that this conference will deliberate the advancements made in the field of Science, Engineering and Management which will immensely benefit the participants and the society.

I congratulate the hard work and dedication of our eminent faculty members in organizing the international conference.

I wish the conference **ICRASEM-2022**, a grand success.

**Date :** 25.01.2023

**Prof. Dr. M. Mala**  
Chairperson



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**Dr. R. Ramesh, M.E., Ph.D.**  
Principal & Conference Chair



### Principal's Message

I am exhilarated that the Department of Aeronautical Engineering, Civil Engineering, Computer Science Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering, Information Technology, Science and Humanities, and Master of Business Administration are unitively organizing an "**International Conference on Recent Advances in Science, Engineering and Management (ICRASEM-2022)**" on 25th January 2023. The conference aims to provide premier interdisciplinary forum for researchers and academicians to present and discuss the most recent innovations, trends, practical challenges encountered and the solutions adopted in the corresponding field of Engineering.

I would like to manifest my gratitude to all authors for their outstanding contribution and in particular the members of the organizing committee for their competent evaluation of the large number of submission. I thank the management for the fullest support in organizing ICRASEM-2022 in a grand manner. Likewise, I would also like to express my appreciation and sincere thanks to Co-chair and all the HODs of Departments concerned for their dedicated work towards the successful conduct of the ICRASEM-2022. I thank all the keynote speakers and session chairs for accepting our invitation.

My hearty congratulations to those involved in bringing out the proceedings of the conference. I thank all the sponsors for their support in conducting this conference. I hope that the conference provides a great intellectual enlightenment to all the participants. I wish **ICRASEM-2022** a memorable and successful event.

Date : 25.01.2023

**Dr. R. Ramesh, M.E., Ph.D.**  
Principal and Conference Chair



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**Dr. K. Srinivasan**  
Conference Co-Chair



**Dr. P. Priyadarsini**  
Conference Co-Chair

### **Preface**

As Co-Chair of the conference, we take immense pleasure in welcoming all the delegates for the two day “**International Conference on Recent Advances in Science, Engineering and Management**” scheduled on 25<sup>th</sup> January 2023. The spectrum of delegates ranges from all over India and the papers were received towards the conference in the domain of technical session in Aeronautical Engineering, Civil Engineering, Computer Science, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering, Information Technology, Science and Humanities, and Master of Business Administration for presentation in various sessions.

Conference of this nature provides platform for academicians, industrialists, researchers and student community to discuss and deliberate matters pertaining to modern trends in their respective fields. The entire cross section of the participants are mostly teachers and post graduate students and our thanks are due to the Principal and the Management of the respective colleges for permitting them to participate in the conference. We hope and request all the participants to sincerely take part in the deliberations instead of merely attending the conference.

The organizers take this opportunity to thank whole heartedly the Chair Person, and the Principal, Tagore Engineering College for permitting the conduct of the conference and granting financial assistance.

Our sincere appreciation for the HOD's of Aero, Civil, CSE, EEE, ECE, Mech, IT, S&H and MBA departments and their entire faculty for their meticulous effort, sorting all issues from calling of papers and bringing out the conference proceedings. Our thanks are due to all technical and supporting staff of the college, both teaching and non-teaching, for their whole hearted support and help rendered directly or indirectly towards the successful conduct of the conference.

**Date : 25.01.2023**

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## **A STUDY OF THE IMPACT OF PROFITABILITY ON REAL ESTATE COMPANY STOCK PRICES (2018–2022) WITH MODERATING VARIABLES SUCH DEBT EQUITY RATIO, EARNINGS PER SHARE, AND PRICE EARNINGS RATIO**

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Indian Real Estate market has regained a significant recovery in spite of growing construction costs and increasing in the repo rate. After the pandemic lockdown, real estate market in Tier I, II, III Cities has increased the sales. The study has focused on the impact of Profitability on stock price with moderating variables such as Debt equity ratio, Earnings Per Share and Price to Earnings Ratio of top performing Real Estate companies on the Indian Stock Exchange for the 2018 - 2022 Period. The Researcher has used descriptive quantitate research. The nature of this research is due and effect/casual. The sample is top 10 Performing companies in Real Estate. Profitability has a partial effect on company value in real estate company on Indian Equity market. Debt to equity ratio, Earnings Per share & Price to Earnings ratio is contribute for the increase in the stock price. The research has focused on the limited variable and companies in the industry. This research is expected to benefit for increase the share price of the company, determine the financial performance factors including Debt Equity ratio, Earnings per share and Price Earnings Ratio. This study's methodology is cause-and-effect. The top 10 performing real estate companies are shown below. For real estate companies listed on the Indian equity market, profitability has a limited impact on corporate value. Earnings per share, price-to-earnings ratio, and debt-to-equity ratio all help drive up stock prices. The study is only focused on a select few variables and firms in the Indian equity market for the years 2018 to 2022. It is anticipated that this research will help the company's stock price rise and identify financial performance indicators, including the debt-to-equity ratio, earnings per share, and price-earnings ratio.