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Preface

It is with immense pride that we introduce the proceedings of the 4th International Conference on Information Technology, Civil Innovation, Science, and Management (ICITSM'25), held on April 28–29, 2025, at K.S.R. College of Engineering, Tiruchengode, Tamil Nadu, India. This prestigious event, organized by the Department of Civil Engineering in association with NTL Technologies, has continued its tradition of bringing together brilliant minds from academia, research institutions, and industry to exchange ideas and foster innovation across a wide array of disciplines.

The ICITSM'25 conference embraced the theme of “Transformative Technologies for Sustainable Futures,” addressing current global challenges through cross-disciplinary collaboration. This year’s program featured over 304 peer-reviewed research papers, carefully selected by our expert review panel, covering diverse themes in information technology, civil engineering innovations, applied sciences, and strategic management. These contributions reflect the cutting-edge developments and transformative potential of integrated science and engineering practices.

In addition to the technical sessions, the conference was enriched by thought-provoking keynote addresses from distinguished scholars and industry experts, panel discussions, and focused workshops that encouraged active engagement and real-world problem solving. These sessions not only highlighted frontier research but also emphasized the need for sustainable, scalable, and inclusive technological solutions in a rapidly evolving world.

We extend our heartfelt appreciation to the organizing committee, technical reviewers, speakers, and session chairs for their unwavering commitment to academic excellence.

The proceedings of ICITSM'25 are a testament to the spirit of inquiry, innovation, and collaboration. We are confident that the research presented herein will serve as a valuable resource for future advancements and contribute meaningfully to the academic and professional communities alike.

We welcome all delegates, contributors, and readers to delve into the work showcased in these volumes and join us in advancing the frontiers of science, technology, and sustainable development.

Dr.S.Senthilkumar

Dr.S.Kannadhasan

Dr.P.Sivakumar

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