

Proceedings

# **ICCESD 2026**

8<sup>th</sup> International Conference on  
Civil Engineering for Sustainable Development  
5-7 February 2026, Khulna, Bangladesh

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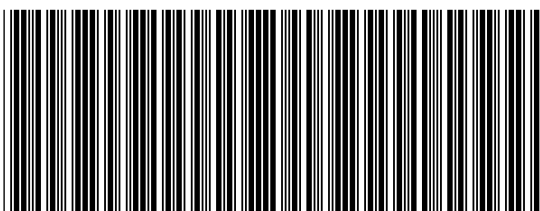
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# ICCESD 2026

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# Preface

The Department of Civil Engineering, Khulna University of Engineering & Technology (KUET), has been successfully organizing the International Conference on Civil Engineering for Sustainable Development (ICCESD) biennially since 2012. We are pleased to present the eighth edition of ICCESD, which was held from 5–7 February 2026 at the KUET campus in Khulna, Bangladesh. KUET is one of the leading public engineering universities in Bangladesh, located in Khulna, the southwestern coastal region of the country. The primary objective of ICCESD is to provide a vibrant and effective forum where academicians, researchers, scientists, engineers, and scholars from all areas of Civil Engineering can exchange ideas, share experiences, and discuss recent developments, challenges, and future requirements in the discipline, thereby contributing to the advancement of civil engineering knowledge.

ICCESD 2026 features three keynote lectures and the presentation of 335 research papers covering a broad spectrum of Civil Engineering fields. The conference is expected to foster the exchange of scientific and technological knowledge among participants from both national and international communities. The thematic scope of the conference includes, but is not limited to, Structural Engineering; Construction Engineering and Management; Architectural Design and Building Environment; Geotechnical Engineering; Transportation Engineering; Environmental Engineering; Water Resources Engineering; and Fire Engineering.

Following a rigorous review process, a total of 336 technical papers were selected for publication in the conference proceedings from 711 submissions. The responsibility for the technical content, quality, and presentation of each paper rests solely with the respective authors. This conference proceedings contain all of the accepted papers. Selected papers will be forwarded for publication in Scopus-indexed conference proceedings, and a number of high-quality papers will also be considered for publication in the Journal of Engineering Science (JES), KUET.

We sincerely acknowledge the tremendous efforts of all authors who contributed their research to ICCESD 2026. We are deeply grateful to the reviewers for their careful evaluations, insightful comments, and constructive suggestions that significantly enhanced the quality of the manuscripts. Our heartfelt thanks go to the Editorial Committee of ICCESD 2026 for their dedication and commitment. Special appreciation is extended to Mr. Ahmed Shakik, Mr. Sabbir Hossain, Mr. Faysal Khan, Ms. Ayesha Siddika Mim, and Mr. Md. Al Amin for their significant contributions to editing the proceedings, including the texts, figures, tables, and photographs. Finally, the professional encouragement and tireless support of all colleagues serving on the various committees of ICCESD 2026 are gratefully acknowledged.

The generous support from sponsors provided by Poles and Concrete Ltd. (PCL), Glory Poles Ltd. (GPL), Kadamtali Steel Mills Ltd. (KSML), and Seven Rings Cement is highly appreciated.

We hope that the success of this conference will inspire future ICCESD events.

On behalf of the Organizing Committee,

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