

## Recent trends in precast, prestressed concrete discussed at Amrita Vishwa Vidyapeetham seminar



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Expertise and policy requirement for the implementation of precast prestressed structural elements, to enhance quality into the fast-track, heavy constructions and urban development projects was discussed by experts at the seminar on precast, prestressed concrete at Amrita Vishwa Vidyapeetham organised by Department of Civil Engineering in association with the Coimbatore centres of Association of Consulting Civil Engineers (ACCE) and Indian Concrete Institute (ICI).

In the keynote address, Inki Choi - Head, Design (Bridges), L&T Construction, highlighted the adoption of Iconic bridges in India using precast prestressed segments and also the critical design challenges associated with construction. Case studies

on Implementation and performance evaluation of high performance concrete precast prestressed concrete bridge girders and the use of precast pavement panels for highways in the US were presented by Prof. Vellore S. Gopalaratnam, University of Missouri, Columbia & Fullbright Specialist & Adjunct professors.

Engineer Subir Das - Chief Engineering Manager (Bridges), L&T Construction discussed the construction engineering aspects of production and full span launching of precast prestressed segments for railway viaduct bridges which is currently being executed in the WDFC (Western dedicated freight corridor). Engineers Tsoukantas G Spyros and Topintzis D Tryfon from the Structural design group of KEF KATERRA spoke about the highlights of Precast building systems

with the main principles of the emulative design and the corresponding connection details with emphasis on relevant ductility to ensure seismic resistance that have been adopted in the execution of various commercial projects.

The significance of the Planning aspects of structural systems with respect to production, transportation and erection of precast elements for commercial and residential buildings were discussed by S.Sathiyaseelan, (Principal Structural Manager- Teemage Precast) and Surya Prakash.P (SatyaVani Projects and Consultants, Hyderabad)

Professor K. M. Mini, Chairperson, Department of Civil Engineering concluded the sessions with identification of potential follow-up tasks in terms of better academia and industry interactions to solve the technical problems faced in the industry.