

**SETS has conducted a tutorial on “Applied Formal Methods in Cryptography”, hosted with Formal method update meetings 2026 at Krea University Sri city on 4th July 2026.**

**Event:** As part of the FM Update Meeting 2026 event, SETS organized a tutorial on "Applied Formal Methods for Cryptography" on July 4, 2026. The training session commenced with a first talk by **Dr. Shashi Kant Pandey, Scientist C**, with an introduction to fundamentals of formal verification for cryptographic systems. **Dr. Varsha Jarali, Research Associate**, then delivered a session on ProVerif, a symbolic verification tool widely used for analyzing cryptographic protocols. **Ms. Samyuktha, Scientist C**, presented on computational model-based verification tool CryptoVerif. **Mr. Jaya Pandi S, Project Associate**, introduced Frama-C, a static and deductive verification framework for C programs. The interactive sessions and live demonstrations offered a comprehensive overview of contemporary formal verification tools, making the event a significant initiative for the formal methods and cryptography research community.

The FM Update Meeting is an informal event organized by the Formal Methods (FM) community in India annually, with the aim of getting FM researchers together to present and discuss topical developments in their areas of interest. This edition was organized by Krea University, Sri City on July 2 - 3, 2026 (with tutorials on July 1 and July 4). FM Update 2026 was co-located with Indian School of Logic and Applications 2026.