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IT-Enabled Knowledge Management System for Nuclear R&D Organization

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A Knowledge Management (KM) system for codification, preservation and utilization of all multi-disciplinary knowledge assets accumulated over several decades of nuclear research, development & operation is essential for improved organizational productivity, new insights and high-levels of innovation. IGCAR's Nuclear Knowledge Management System deployed with IT-as-enabler addresses various challenges related to people, process, technology and resources and provides a technology platform to leverage the collective knowledge of the organization. This paper describes the strategic action plan and structured approach followed for building IT-enabled knowledge management system to acquire, store, share and utilize the organizational knowledge assets in the explicit form of publications, technical reports, presentations, projects, activities, facilities etc., along with the tacit knowledge multi-media modules. It highlights the salient features of the in-house-developed advanced KM portal deployed for facilitating the creation, archival, retrieval, sharing and dissemination of knowledge assets originating from diverse domains, in an organized and secured way. The paper also underlines the application of semantic technologies, tools and standards in implementing a robust KM technology infrastructure with enhanced functionalities.

Country or International Organization

India

Primary author: Mr JEHADEESAN, Ramalingam (Indira Gandhi Centre for Atomic Research)

Presenter: Mr JEHADEESAN, Ramalingam (Indira Gandhi Centre for Atomic Research)

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