Diagnostic and Prognostic System for Accident Management in Nuclear Power Plants

- Diagnostic system is an artificial intelligence based operator support system for accident management in 220 MWe Indian pressurized heavy water reactors (PHWRs).

- It has been developed to monitor the status of the nuclear reactor based on various process parameters, to detect deviations from normal operating conditions, and to determine the significance of situation and recommend an appropriate response in a short time.

- Diagnostic system is capable of identifying large break LOCA scenarios and Main Steam Line Break scenarios in PHWRs.