

## SYNOPSIS

35

**Number and Title of the Indian Standard:** IS/ISO/IEC TR 20748-2 : 2017

Information technology for learning, education and training — Learning analytics interoperability — Part 2: System requirements.

**Scope:** This document specifies system requirements for learning analytics systems and services. Learning analytics systems and services are assumed to be composed of independent processes and applications having diverse purposes. To improve efficiency for communication and operation between systems and/or services, the system requirements identify each system's role, capability and recommended performance, etc. The system requirements are based on ISO/IEC TR 20748-1 and additional use cases came from the National Bodies and Liaison Organizations (NBLOs).

**Salient features of content:**

The increasing amount of data being generated from learning environments provides new opportunities to support learning, education and training (LET) in a number of new ways through learning analytics. Learning analytics is a composite concept built around the use of diverse sub-technologies, workflows and practices and applied to a wide range of different purposes. For instance, learning analytics is being used to collect, explore and analyse diverse types and interrelationships of data, such as: learner interaction data related to usage of digital resources; teaching and learning activity logs; learning outcomes and structured data about programmes; curriculum and associated competencies.

**Types/grades/classes, if any covered in the standard:** NA

**d) Disclaimer (to be automatically provided by the program/software):** NA