



SAMARTH ERP

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Why in News

The **Ministry of Human Resource Development (HRD)** has developed an **e-governance platform 'SAMARTH Enterprise Resource Planning (ERP)'** under the **National Mission of Education in Information and Communication Technology Scheme (NMEICT)**.

Key Points

- SAMARTH ERP is an **open source, open standard enabled robust, secure, scalable, and evolutionary process automation engine** for Universities and Higher Educational Institutions.
 - **Enterprise Resource Planning (ERP)** refers to a type of software used to manage day-to-day business **activities such as accounting, procurement, project management, risk management and compliance, and supply chain operations**.
 - ERP in a University can improve management and administration.
- The platform has been implemented at the **National Institute of Technology (NIT), Kurukshetra**, a participating unit under the World Bank-supported **Technical Education Quality Improvement Program (TEQIP)**.
- It would **automate the processes of the enhancement of productivity through better information management** in the institute by seamless access to information and proper utilization of information.
- It caters to faculty, students and staff at a University/Higher Educational Institutions.

National Mission on Education through Information and Communication Technology

- The Mission, **launched in 2009**, is a landmark initiative of the Ministry of Human Resource Development (MHRD), with the objective of seamlessly providing quality educational content to all the eligible and willing learners in India.

- It has been envisaged to leverage the potential of ICT, in the teaching and learning process for the benefit of all the learners in Higher Education Institutions.
- **Initiatives under the Program**
 - **SWAYAM:** The Study Webs of Active Learning for Young Aspiring Minds' (SWAYAM) is an integrated platform for offering online courses, covering school (9th to 12th) to Postgraduate Level. The online courses are being used not only by the students but also by the teachers and non-student learners, in the form of lifelong learning.
 - **SWAYAM Prabha:** It is an initiative to provide 32 High Quality Educational Channels through DTH (Direct to Home) across the length and breadth of the country on a 24X7 basis.
 - **National Digital Library of India (NDL):** It is a project to develop a framework of virtual repository of learning resources with a single-window search facility. Presently, there are more than 3 crore digital resources available through the NDL.
 - **Spoken Tutorial:** They are 10-minute long, audio-video tutorials, on open source software, to improve employment potential of students. It is created for self learning, audio dubbed into 22 languages and with the availability of an online version.
 - **Free and Open Source Software for Education (FOSSEE):** It is a project promoting the use of open source software in educational institutions. It does that through instructional material, such as spoken tutorials, documentation, such as textbook companions, awareness programmes, such as conferences, training workshops, and internships.
 - **Virtual Lab:** This is a project to develop a fully interactive simulation environment to perform experiments, collect data, and answer questions to assess the understanding of the knowledge acquired.
 - **E-Yantra:** It is a project for enabling effective education across engineering colleges in India on embedded systems and robotics.

Technical Education Quality Improvement Programme

- It was started in 2002 by the Ministry of Human Resources and Development with the assistance of the **World Bank** and is being implemented in a phased manner .
- It aims to upscale the quality of technical education and enhance capacities of institutions.
- **The Technical Education Quality Improvement Programme III (TEQIP-III)** was started in 2017 and will be completed by 2021.
 - It aims to develop technical education as a key component for improving the quality of Engineering Education.
 - The Objective is to improve quality and equity in engineering institutions in focus states such as in low income states.

Source:PIB