



## **Indian Institute of Technology (Indian School of Mines), Dhanbad**

### **MHRD's DIGITAL INITIATIVES**

#### **SWAYAM PRABHA**

The SWAYAM PRABHA is a group of 32 DTH channels devoted to telecasting of high-quality educational programmes on 24X7 basis using the GSAT-15 satellite. Every day, there will be new content for at least (4) hours which would be repeated 5 more times in a day, allowing the students to choose the time of their convenience. The channels are uplinked from BISAG, Gandhinagar. The contents are provided by NPTEL, IITs, UGC, CEC, IGNOU, NCERT and NIOS. The INFLIBNET Centre maintains the web portal.

Link: <https://www.swayamprabha.gov.in/index.php/about>

#### **NATIONAL DIGITAL LIBRARY**

The National Digital Library of India (NDLI) is a project under Ministry of Human Resource Development, India. The objective is to collect and collate metadata and provide full text index from several national and international digital libraries, as well as other relevant sources. It is a digital repository containing textbooks, articles, videos, audio books, lectures, simulations, fiction and all other kinds of learning media. The NDLI provides free of cost access to many books in English and the Indian languages.

Link: <https://ndl.iitkgp.ac.in/>

#### **E PG PATHSHALA: GATEWAY FOR E-BOOKS UP TO PG**

e-PG Pathshala is an initiative of the MHRD under its National Mission on Education through ICT (NME-ICT) being executed by the UGC. The content and its quality being the key component of education system, high quality, curriculum-based, interactive e-content in 70 subjects across all disciplines of social sciences, arts, fine arts and humanities, natural & mathematical sciences.

Link: <https://epgp.inflibnet.ac.in/>

## **SHODHGANGA**

"Shodhganga" is the name coined to denote digital repository of Indian Electronic Theses and Dissertations set-up by the INFLIBNET Centre. The Shodhganga@INFLIBNET is set-up using an open source digital repository software called DSpace developed by MIT (Massachusetts Institute of Technology) in partnership between Hewlett-Packard (HP). The DSpace uses internationally recognized protocols and interoperability standards. Shodhganga provides a platform for research scholars to deposit their Ph.D. theses and make it available to the entire scholarly community in open access. The repository has the ability to capture, index, store, disseminate and preserve ETDs (Electronic Theses and Dissertations) submitted by the researchers.

Link: <https://shodhganga.inflibnet.ac.in/>

## **e-SHODHSINDHU: e-JOURNALS**

The e-ShodhSindhu aims to provide current as well as archival access to more than 15,000 core and peer-reviewed journals and a number of bibliographic, citation and factual databases in different disciplines from a large number of publishers and aggregators to its member institutions including centrally-funded technical institutions, universities and colleges that are covered under the UGC Act.

Link: <https://ess.inflibnet.ac.in/about.php>

## **e-YANTRA: ENGINEERING FOR BETTER TOMORROW**

Project e-Yantra is an initiative to spread education in embedded systems and Robotics by IIT Bombay sponsored by Ministry of Human Resource Development through the National Mission on Education through ICT (NMEICT). The objective is to provide hands-on learning to engineering students who have limited access to labs and mentors. The goal is to create the next generation of (Embedded systems) engineers in India with a practical outlook to take on challenging problems and provide solutions.

Link: <https://www.e-yantra.org/>

## **FOSSEE: FREE/LIBRE AND OPEN SOURCE SOFTWARE FOR EDUCATION**

FOSSEE (Free/Libre and Open Source Software for Education) project promotes the use of FLOSS tools to improve the quality of education in our country. It aims to reduce dependency on proprietary software in educational institutions. It encourages the use of FLOSS tools through various activities to ensure commercial software is replaced by equivalent FLOSS tools.

Link: <https://fossee.in/>

## **SPOKEN TUTORIAL: TUTORIAL IN IT APPLICATION**

Spoken Tutorial is a multi-award winning educational content portal. Here one can learn various Free and Open Source Software all by oneself. Its self-paced, multi-lingual courses ensure that anybody with a computer and a desire for learning, can learn from any place, at any time and in a language of their choice. All the content published on this website are shared under the CC BY SA license.

Link: <https://spoken-tutorial.org/>

## **Virtual Labs: Web-enabled experiments designed for remote – operation**

Virtual Labs project is an initiative of Ministry of Human Resource Development (MHRD), Government of India under the aegis of National Mission on Education through Information and Communication Technology (NMEICT). This project is a consortium activity of twelve participating institutes and IIT Delhi is coordinating institute. It is a paradigm shift in ICT-based education. For the first time, such an initiative has been taken-up in remote-experimentation. Under Virtual Labs project, over 100 Virtual Labs consisting of approximately 700+ web-enabled experiments were designed for remote-operation and viewing.

Link: <http://www.vlab.co.in/>