संख्या : 923 / सत्तर–3–2020–8(23) / 2020

प्रेषक,

मोनिका एस0 गर्ग,
प्रमुख सचिव
उ0प्र0 शासन।

सेवा में,

1. निदेशक,
उच्च शिक्षा,
उ0प्र0, प्रयागराज।

2. कुलसचिव,
समस्त राज्य विश्वविद्यालय,
उ0प्र0।

उच्च शिक्षा अनुभाग–3 लखनऊ : दिनांक 20 अप्रैल, 2020

विषय : कोविड–19 महामारी में लाकडाउन के दौरान पठन–पाठन के उद्देश्य से दूरदर्शन के माध्यम से शैक्षिक क्रियाकलापों एवं भारत सरकार द्वारा उपलब्ध कराये गये ई–कन्टेन्ट्स के उपयोग के सम्बन्ध में।

महोदय,

उत्तर प्रदेश राज्य के विश्वविद्यालयों एवं महाविद्यालयों में लाकडाउन के समय शैक्षिक गतिविधियों को सुगम बनाये रखने तथा शिक्षा की गुणवत्ता को बनाये रखने हेतु निम्नलिखित सुविधायें छात्रों / शिक्षकों को उपलब्ध कराये जाने / उन्हें जागरूक करने पर तत्काल कार्यवाही सुनिश्चित करें:–

1. दूरदर्शन एवं इग्नू द्वारा शुरू किये गये चार ज्ञान दर्शन शैक्षिक चैनल ज्ञान दर्शन एजुकेशनल टीवी चैनल नोडल एजेंसी के रूप में इग्नू के साथ सूचना और प्रसारण मंत्रालय (प्रसार), प्रसार भारती और इसरो के सहयोग से एम.एच.आर.डी. की एक शैक्षिक मीडिया उपलब्ध हैं। इसमें चार निःशुल्क टीवी चैनल हैं, जैसे GD-I, II (IGNOU **द्वारा)** GD-III, एकलावा (IIT, Delhi द्वारा) GD-IV- व्यास चैनल (UGC, CEC द्वारा)। इन कार्यक्रमों के विषय में विस्तृत जानकारी http://www.ignouonline.ac.in/gyandarshan/ लिंक पर उपलब्ध है।
2. SWAYAM PRABHA 32 DTH निःशुल्क चैनलों का एक समूह है जो GSAT-15 उपग्रह का उपयोग करके 24X7 आधार पर उच्च गुणवत्ता वाले शैक्षिक कार्यक्रमों का प्रसारण हर दिन, कम से कम 4 घंटों के लिए नई सामग्री जो एक दिन में 5 बार दोहराई जाती, जिससे छात्रों को अपनी सुविधा के समय का चयन करने की सुविधा मिलती है। इन निःशुल्क चैनलों पर एनपीटीईएल, आईआईटी, यूजीसी, सीईसी, इग्नू, एनसीईआरटी और एनआईओएस द्वारा शिक्षण सामग्री प्रदान की जाती है।
3. SWAYAM भारत का अपना MOOCs मंच है, जो इंजीनियरिंग, कानून, प्रबंधन, मानविकी और सामाजिक विज्ञान और व्यावसायिक पाठ्यक्रमों जैसे सभी विषयों पर ऑनलाइन पाठ्यक्रम प्रदान करता है। यह शिक्षा नीति, अभिगम, इक्विटी और गुणवत्ता के तीन तार्किक सिद्धांतों को प्राप्त करने के लिए डिजाइन किया गया है। SWAYAM एक स्वदेशी रूप से विकसित क्लाउड आधारित IT प्लेटफॉर्म है जो सभी पाठ्यक्रमों को अपलोड करने की सुविधा प्रदान करता है, 9वीं कक्षा से लेकर पोस्ट ग्रेजुएशन तक की कक्षाओं में पढ़ाया जाता है ताकि किसी को भी, किसी भी समय, किसी भी जगह मुफ्त में पहुँचाया जा सके। सभी पाठ्यक्रम इंटरैक्टिव हैं, जो देश में प्रतिष्ठित शिक्षकों द्वारा तैयार किए गए हैं और कंप्यूटर / मोबाइल फोन के माध्यम से सुलभ हैं।
4. वर्चुअल लैब्स प्रयोग किए गए ज्ञान को समझने के लिए, प्रयोगों को करने, डेटा एकत्र करने और सवालों के जवाब देने के लिए एक पूरी तरह से इंटरैक्टिव सिमुलेशन वातावरण प्रदान करता है।

वर्चुअल लैब का उद्देश्य महत्वाकांक्षी परियोजनाओं को प्राप्त करने के लिए, दुनिया के वातावरण और समस्या से निपटने की क्षमता बनाने तथा अत्याधुनिक कंप्यूटर सिमुलेशन तकनीक के साथ आभासी प्रयोगशालाओं को विकसित करना है। आई.आई.टी. दिल्ली, 10 अन्य संस्थानों के साथ नोडल संस्थान के रूप में वर्चुअल लैब के प्रयोग को कोआर्डिनेट कर रहा है।

5. नेशनल डिजिटल लाइब्रेरी ऑफ इंडिया (एनडीएल इंडिया) एकल–खिड़की खोज सुविधा के साथ सीखने के संसाधनों का भंडार है।
6. ई–यन्त्र भारत के इंजीनियरिंग कॉलेजों में एम्बेडेड सिस्टम और रोबोटिक्स पर प्रभावी शिक्षा को सक्षम बनाता है। शिक्षकों और छात्रों के लिए प्रशिक्षण कार्यशालाओं के माध्यम से प्रदान किया जाता है जहां प्रतिभागियों को एम्बेडेड सिस्टम और प्रोग्रामिंग की मूल बातें सिखाई जाती हैं। प्रतियोगिता–घटना के माध्यम से रोबोट के साथ हाथों पर प्रयोगों में शिक्षकों और छात्रों की व्यस्तता आउट–ऑफ–द–बॉक्स समाधान के साथ समस्या–समाधान का एक और अभिनव तरीका है। ई–यन्त्र कॉलेजों को रोबोटिक्स लैब/क्लबों की स्थापना में मदद करता है ताकि वे इसे अपने नियमित प्रशिक्षण पाठ्यक्रम का हिस्सा बना सकें। इस पहल से पूरे भारत के 275 से अधिक विश्वविद्यालय एवं कॉलेज लाभान्वित हुए हैं। सभी परियोजनाएं और कोड ओपेन सोर्स सामग्री के रूप में ई–यन्त्र वेब–साइट www.e-yantra.org पर उपलब्ध हैं।
7. FOSSEE शैक्षिक संस्थानों में ओपेन सोर्स सॉफ्टवेयर के उपयोग को बढ़ावा देता है। वेब लिंक http://fossee-in पर उपलब्ध यह शिक्षण सामग्री, जैसे कि स्पोकन ट्यूटोरियल, डॉक्यूमेंटेशन, टेक्स्टबुक साथी, जागरूकता कार्यक्रम, जैसे कॉन्फ्रेंस, ट्रेनिंग वर्कशॉप और इंटर्नशिप के माध्यम से करता है। टी.बी.सी. को मानक पाठ्यपुस्तकों के हल किए गए उदाहरणों के कोड के एक संग्रह के रूप में विकसित किया गया है।

उपरोक्त वर्णित शैक्षिक चैनलों/कार्यक्रमों आदि के सम्बन्ध में विस्तृत विवरणिका/विवरण संलग्न करते हुये इस अनुरोध के साथ प्रेषित है कि विश्वविद्यालय तथा सभी सम्बद्ध महाविद्यालयों के शिक्षकों एवं छात्रों को इसकी जानकारी उपलब्ध कराते हुए अनुपालन सुनिश्चित किया जाये ताकि लॉकडाउन अवधि में शैक्षिक गतिविधियों को सुगम बनाया जा सके।

संलग्नक : यथोपरि।

भवदीय,

(मोनिका एस. गर्ग)
प्रमुख सचिव

संख्या : 923(1) /सत्तर–3–2020–तद्दिनांक

प्रतिलिपि : निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषितः–

1– कुलपति, राज्य विश्वविद्यालय, उ0प्र0/निजी विश्वविद्यालय, उ0प्र0।
2– विशेष सचिव (श्री अब्दुल समद/श्री मनोज कुमार), उच्च शिक्षा विभाग।
3– समस्त क्षेत्रीय उच्च शिक्षा अधिकारी, उत्तर प्रदेश को इस निर्देश के साथ कि समस्त महाविद्यालयों को उक्त की जानकारी उपलब्ध करा दें।

आज्ञा से,

(मनोज कुमार)
विशेष सचिव

कार्यालय, उच्च शिक्षा निदेशालय, उत्तर प्रदेश प्रयागराज।

पृ0सं0–डिग्री विकास/06–08 / 2020–21 दिनांक : 21/04/2020

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषितः–

1. समस्त क्षेत्रीय उच्च शिक्षा अधिकारी, उत्तर प्रदेश।
2. कुलसचिव, समस्त राज्य विश्वविद्यालय, उत्तर प्रदेश।
3. समस्त प्राचार्य/प्राचार्या, राजकीय/सहायता प्राप्त अशासकीय/स्ववित्तपोषित महाविद्यालय, उत्तर प्रदेश को इस आशय से प्रेषित कि उक्त शासनादेश का अनुपालन सुनिश्चित करते हुए कृत कार्यवाही से निदेशालय की ई–मेल dhedegreevikas@gmail.com पर अवगत कराना सुनिश्चित करें।

डा0 (बी0एल0 शर्मा)
सहायक निदेशक (उच्च शिक्षा)
कृते–शिक्षा निदेशक (उ0शि0), उ0प्र0,
प्रयागराज।

Channel No.	Channel Name and link	Route/Parent	Email	Coordinator Name	Description
19	Channel 19: IIT PAL: Biology	IIT PAL 1 IIT Delhi	ravisoni@physics.iitd.ac.in, rksoniiit@gmail.com	Prof. Ravi Sony	-
20	Channel 20: IIT PAL: Chemistry	IIT PAL 2, IIT Delhi	ravips@chemistry.iitd.ac.in	Prof. Ravi P. Singh	-
21	Channel 21: IIT PAL: Mathematics	IIT PAL 3. IIT Delhi	niladri@maths.iitd.ac.in	Prof. Niladri Chatterjee	This channel is dedicated to ...
22	Channel 22: IIT PAL: Physics	IIT PAL 4, IIT Delhi	jpsingh@physics.iitd.ac.in	Prof. J.P. Singh	The Swayamprabha Physics Chann...
Channels 23 to 24 are managed by IGNOU New Delhi. The National Coordinator is Prof. Uma Kanjilal, IGNOU, New Delhi					
23	Channel 23: IGNOU: Liberal Arts and Humanities	IGNOU, New Delhi	asgupta@ignou.ac.in	Prof. Anju Sehgal Gupta	**Introduction.**
24	Channel 24: IGNOU: Agriculture, Vocational and Allied Sciences	IGNOU, New Delhi	mksalooja@ignou.ac.in	Prof. M. K. Salooja	Agriculture sector plays an im...
Channel 25 is managed by the IGNOU, New Delhi. The National Coordinator is Prof. Uma Kanjilal, IGNOU, New Delhi					
25	Channel 25: GYAN DARSHAN:	IGNOU, New Delhi			-
Channel 26 is managed by IGNOU New Delhi. The National Coordinator is Prof. Uma Kanjilal, IGNOU, New Delhi					
26	Channel 26: IGNOU: State Open Universities' programs	IGNOU, New Delhi	pkbiswas@ignou.ac.in	Prof. P. K. Biswas	Channel-26 IGNOU: State Open U...
Channels 27 and 28 are managed by the NIOS, New Delhi. The National Coordinator is Prof. C. B. Sharma, Chairman, NIOS					
27	Channel 27: NIOS: Secondary School Education	NIOS, New Delhi	skp@nios.ac.in	Sh. S. K. Prasad, JD (CBC), NIOS	Vision Statement: Sustainable ...
28	Channel 28: NIOS: Higher Secondary School Education	NIOS, New Delhi	sandhyakumar@nios.ac.in	Dr. Sandhya Kumar, DD (Academic), NIOS	Vision Statement: Sustainable ...
Channels 29 is managed by UGC-INFLIBNET,Gandhinagar.					
29	Channel 29: UGC-INFLIBNET (PG Subject's & YOGA)	UGC-INFLIBNET,Gandhinagar	swayamprabha@inflibnet.ac.in	Prof J P Singh Joorel	-
Channel 30 is managed by the NIOS, New Delhi. The National Coordinator is Prof. C. B. Sharma, Chairman, NIOS					
30	Channel 30: NIOS: Gyanamrit	NIOS, New Delhi	sukanta.dse@gmail.com	Sukanta Kumar Mahapatra	Dear Learners, Welcome...
Channel 31 is managed by NCERT. The National Coordinator is Prof. Amarendra Behera, Joint Director, CIET, NCERT					
31	Channel 31: NCERT: School and Teacher Education	NCERT, New Delhi	amarendra.behera@ciet.nic.in	Prof. Amarendra Behera, Joint Director, CIET, NCERT	Central Institute of Education...
Channel 32 is managed by IGNOU and NIOS jointly					
32	Channel 32: IGNOU and NIOS: Teacher Education	IGNOU and NIOS, New Delhi	gaurinedu@ignou.ac.in	Dr. Gaurav Singh, SEO, IGNOU	SYAWAM PRABHA DTH Channel 32 V...

CHANNELS AND ALLOCATION

Channel No.	Channel Name and link	Route/Parent	Email	Coordinator Name	Description
Channels 01-10 are managed by CEC-UGC, New Delhi. National Coordinator is Prof. Jagat Bhushan Nadda, Director, CEC, New Delhi.					
1	Channel 01: VAGEESH: CEC/UGC: Humanities- 1, Language and Literature	EMRC, EFLU, Hyderabad	director.emmrc.eflu@gmail.com	Prof. T T Sreekumar	The Swayamprabha Humanities Ch...
2	Channel 02: SANSKRITI: CEC/UGC: Humanities- 2, History, Culture & Philosophy	CEC, New Delhi	nagesh.cec@gmail.com	Mr. Nageshwar Nath	"Learn as if you are going t...
3	Channel 03: PRABODH: CEC/UGC: Social Science -1, Social & Behavioral Sciences	EMRC Jodhpur	director.emmrc.jnvu@gmail.com, drkpurohit@gmail.com	Prof C R Chowdhary	Learning gives creativity, cre...
4	Channel 04: SAARASWAT: CEC/UGC: Social Science - 2, Education, Psychology, Home Science and related subjects	CEC, New Delhi	nagesh.cec@gmail.com	Mr. Nageshwar Nath	"You can teach a student for...
5	Channel 05: PRABANDHAN: CEC/UGC: Social Science - 3, Management, Library Science, Information Science and related subjects	MCRC Jamia Milia	iftekharftii@yahoo.com, mcrc@jmi.ac.in	Prof. Iftekhar Ahmad	"Learning gives creativity, ...
6	Channel 06: VIDHIK: CEC/UGC: Social Science - 4, Law, Legal Studies, Human Rights and related subjects	EMRC Patiala	emmrc.patiala@gmail.com, directormediacentre@gmail.com	Dr. Gurmeet S. Maan	The Swayam Prabha DTH Channel ...
7	Channel 07: KAUTILYA: CEC/UGC: Economics, Commerce and Finance	EMRC Ahmadabad	patelbaldev56@yahoo.in, emrcabadad1@bsnl.in	Prof. B. V. Patel	Swayam Prabha DTH Channel 7, E...
8	Channel 08: ARYABHATT: CEC/UGC: Physical sciences, Mathematics, Physics, Chemistry and related Subjects	EMRC ,University of Calicut	damodar.prasad@gmail.com, emmrccalicut@yahoo.co.in	Mr. D. Damodar Prasad	The Channel-08-Swayamprabha D...
9	Channel 09: SPANDAN: CEC/UGC: Life Sciences, Botany, Zoology, Bio-Science and related subjects	EMRC, Kashmir University, Srinagar	salimaemrc@gmail.com, emmrc@kashmiruniversity.net	Dr. Salima Jan	The vision of the channel is t...
10	Channel 10: DAKSH: CEC/UGC: Applied Sciences, Allied Physical and Chemical sciences and related subjects	EMRC, Anna University, Chennai	sgowri@annauniv.edu, emmrcchennai@annauniv.edu	Dr. S. Gowri	The SWAYAM Prabha DTH Channel...
Channels 11 to 18 are Managed by NPTEL. National Coordinator: Prof. Kushal Sen, IIT Delhi					
11	Channel 11: NPTEL: Chemical Engineering, Chemistry and related Subjects	IIT Kharagpur	sunando@che.iitkgp.ernet.in	Prof. Sunando DasGupta	The SWAYAMPRABHA Chemical Engi...
12	Channel 12: NPTEL: Civil Engineering and related subjects	IIT Delhi	bishwa@civil.iitd.ac.in	Prof. B. Bhattacharjee	-
13	Channel 13: NPTEL: Computer Science and Engineering	IIT Kharagpur	anupambas@gmail.com	Prof. Anupam Basu	The SWAYAM-PRABHA Computer Sci...
14	Channel 14: NPTEL: Electrical engineering, Electronics and Communication Engineering and related subjects	IIT Delhi	shouri@ee.iitd.ac.in	Prof. Shouri Chatterjee	Channel 14 is dedicated to Ele...
15	Channel 15: NPTEL: Engineering Sciences and general subjects for engineering	IIT Madras	mangal@iitm.ac.in	Prof. K. Mangala Sunder	The Swayam Prabha Channel 15 D...
16	Channel 16: NPTEL: Humanities, Social Sciences and Management	IIT Kanpur	mjha@iitk.ac.in	Prof. Munmun Jha	Channel 16 is funded by MHRD a...
17	Channel 17: NPTEL: Mechanical Engineering and related subjects	IIT Kanpur	bhattacs@iitk.ac.in	Prof. Shantanu Bhattacharya	Channel 17 is an exclusively d...
18	Channel 18: NPTEL: Mathematics, Physics, Metallurgy and related subjects	IIT Tirupati / IIT Madras	tsniit@iittp.ac.in	Prof. T. S Natarajan	The Swayamprabha Channel-18 DT...
Channels 19 -22 are managed for high School students by IIT Delhi and is called IIT PAL. The National Coordinator is Prof. Ravi Soni, IIT Delhi					

SWAYAM is India's own MOOCs platform offering online courses on all disciplines like Engineering, Law, Management, Humanities & Social Sciences and Professional Courses. It is designed to achieve the three carrdinal principles of Education Policy - Access, Equity and Quality. SWAYAM is an indigenously developed Cloud based IT platform that facilitates uploading of all the courses, taught in classrooms from 9th standard till Post Graduation to be accessed by Anyone, Anytime, Anywhere free of cost. All the courses are interactive, prepared by reputed teachers in the country and accessible through computers / mobile phones.

Doordarshan and IGNOU

Doordarshan and IGNOU regarding the transmission of Four Gyan Darshan Educational channels. The Gyan Darshan Bouquet of Educational TV Channels is an educational media initiative of MHRD in collaboration with the Ministry of Information and Broadcasting (MIB), Prasar Bharati and ISRO with IGNOU as the nodal agency. It consists of four TV Channels namely GD-I &II (by IGNOU) GD-III- Eklava (by IIT, Delhi) GD-IV- Vyas Channel (by UGC, CEC).

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.

The DTH Channels shall cover the following:

1. Higher Education: Curriculum-based course contents at post-graduate and under-graduate level covering diverse disciplines such as arts, science, commerce, performing arts, social sciences and humanities, engineering, technology, law, medicine, agriculture, etc. All courses would be certification-ready in their detailed offering through SWAYAM, the platform being developed for offering MOOCs courses.
2. School education (9-12 levels): modules for teacher's training as well as teaching and learning aids for children of India to help them understand the subjects better and also help them in preparing for competitive examinations for admissions to professional degree programmes.
3. Curriculum-based courses that can meet the needs of life-long learners of Indian citizens in India and abroad.
4. Assist students (class 11th & 12th) prepare for competitive exams.

ICT Initiatives of MHRD

S.No.	Resource	For students/Researchers	For Institutions
	Audio-Video e-content		
1	SWAYAM: Massive Open Online Courses	Earn credit through online courses	- Encourage your extraordinary faculty to develop online courses - Accept credits awarded under SWAYAM - Form SWAYAM local chapters
2	SWAYAMPRABHA: View digital courses on TV	Watch high quality educational programs 24*7	Provide facility for viewing SWAYAMPRABHA content
	Digital content: access journals and e-books		
1	National Digital Library: e-content	Access e-content on multiple disciplines	- Get your E-content listed - Form NDL Club
2	e-PG Pathshala: Gateway for e-books upto PG	Get free books and curriculum-based e-content	Host e-books
3	Shodhganga: A reservoir of Indian Theses	Access Research Theses of scholars of Indian Institutes	Get research theses of your scholars to get listed on Shodhganga
4	e-ShodhSindhu: e-journals	Get access to full text e-resources	Get access to full-text e-resources
	Accelerated Hands on learning		
1	e-Yantra: Engineering for better tomorrow	Get hands on experience on embedded systems	Create e-Yantra labs for training in embedded systems in collaboration with IIT Bombay
2	FOSSEE: Free/Libre and Open Source Software for Education	- Access and volunteer for the use of open source software - Become FOSSEE fellow	Run labs in open source
3	Spoken Tutorial: Tutorial in IT application	Self-training in IT fields	Encourage eminent faculty to provide training content for self-learning
4	Virtual Labs: Web-enabled experiments designed for remote – operation	Try curriculum based virtual experiments	Develop virtual experiments for Virtual labs suited to course curriculum in gap areas
	E - Goverenence		
1	University Enterprise Resource Planning (SAMARTH)	Student development Life Cycle	E-Governance for Institutions/Universities
	Track your progress		
1	VIDWAN: Expert Database and National Research Network IRINS: Indian Research Information Network System	Register on VIDWAN	Get your faculty registered on VIDWAN - Monitor research outcomes at different levels
2	Shodh Shudhhi (PDS): Plagiarism Detection Software	Unique ideas, concepts and information without duplication.	- Encourage original information by preventing plagiarism. - Better research outcomes. - Reputation of the institution/university.

Note: For any queries/feedback kindly contact (http://new.nmeict.ac.in) at nmeict@nmeict.ac.in
Phone: 011-23385220.

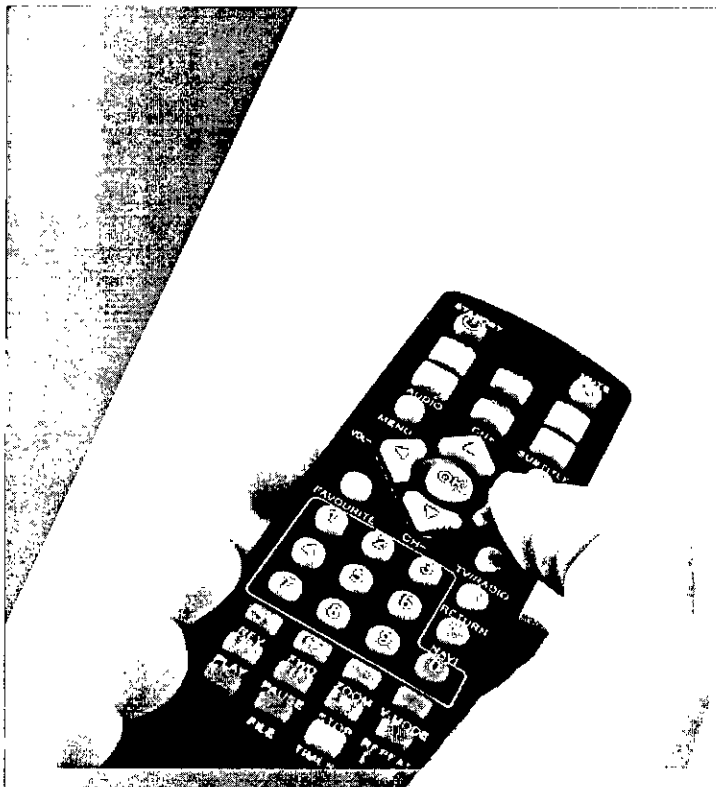
SWAYAM PRABHA

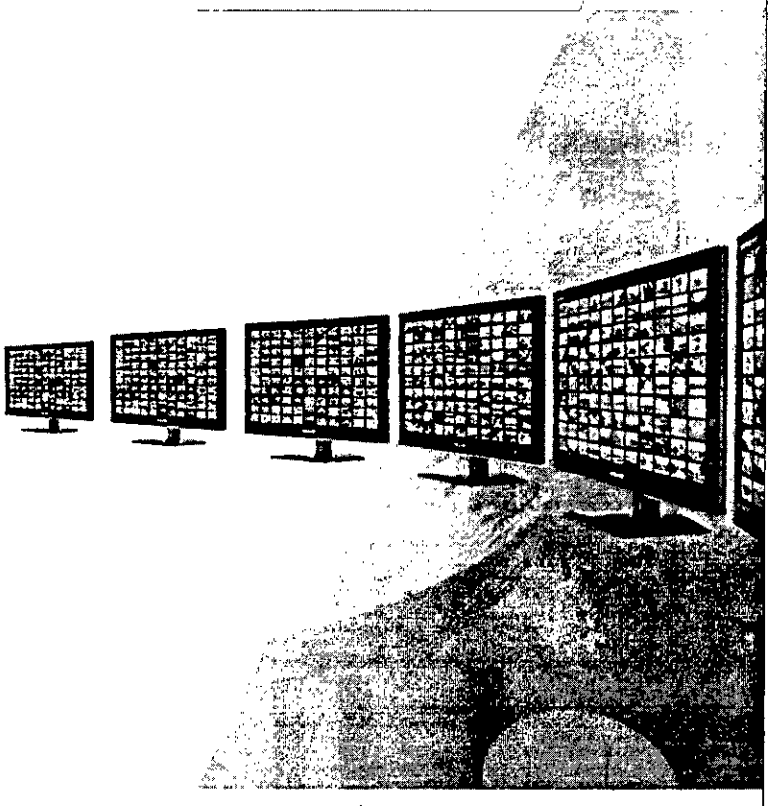
Free DTH Channel for Education

सत्यमेव जयते

An MHRD Project

National Mission on Education through ICT





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.

ज्ञान-विज्ञान विमुक्तये

NPTEL

INFLIBNET

BISAG

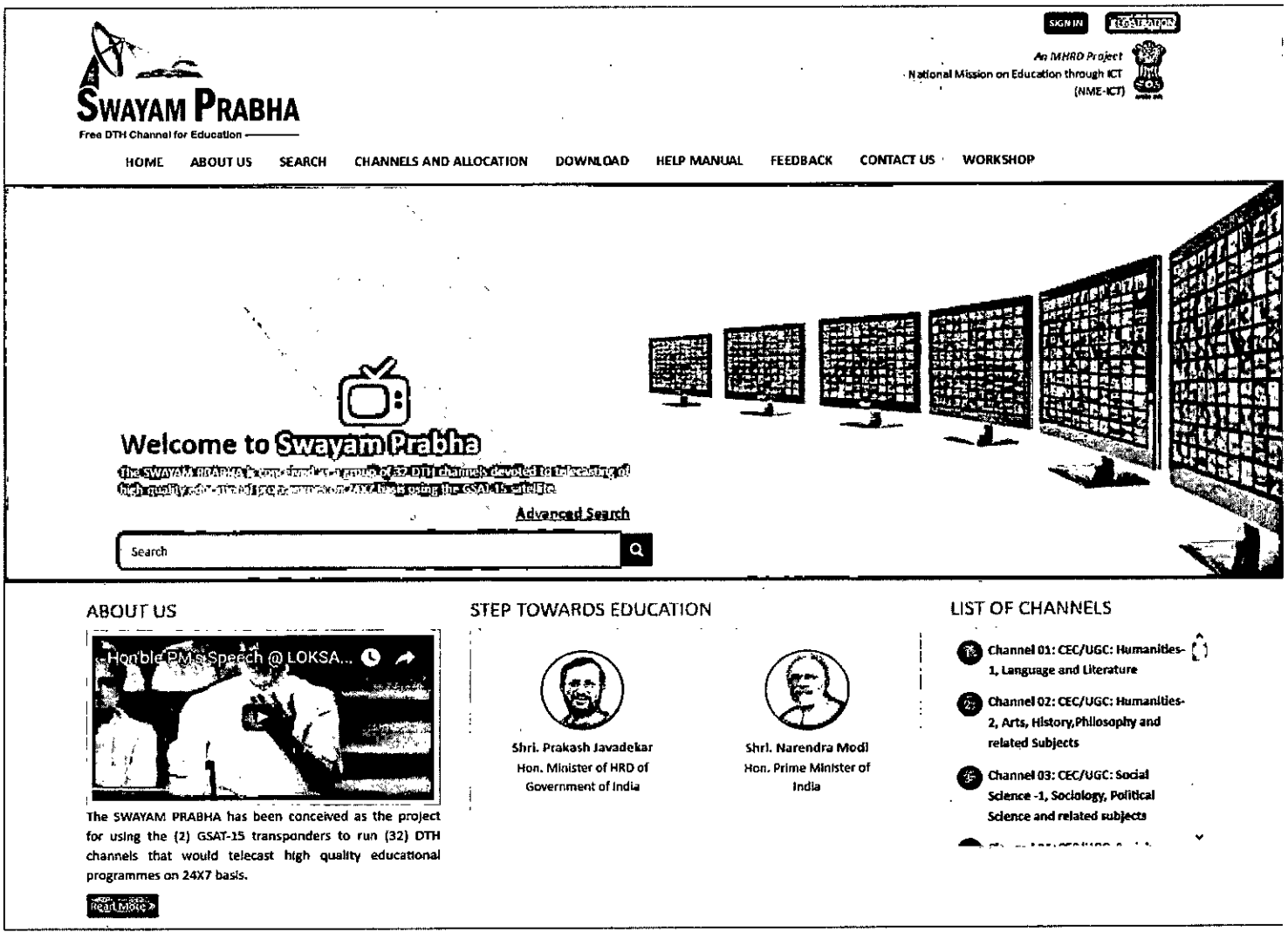
Introduction

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 four hours which would be repeated five 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.

Objectives

The DTH Channels shall cover the following

- Higher Education: Curriculum-based course contents at post-graduate and under-graduate level covering diverse disciplines such as arts, science, commerce, performing arts, social sciences and humanities engineering, technology, law, medicine, agriculture, etc. All courses would be certification-ready in thei detailed offering through SWAYAM, the platform for offering MOOCs courses.
- School education (9-12 levels): modules for teacher's training as well as teaching and learning aids for children of India to help them understand the subjects better and also help them in preparing for competitive examinations for admissions to professional degree programmes.
- Curriculum-based courses that can meet the needs of life-long learners of Indian citizens in India and abroad.
- Assist students (class 11th & 12th) prepare for competitive exams.

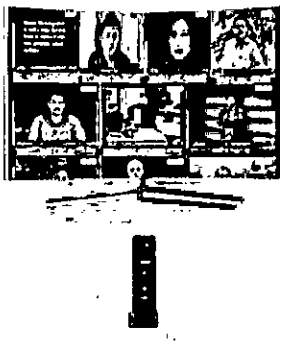


How to Receive Swayam Prabha Channels

01 One small sized DTH Dish Antenna along with LNBF (Low Noise Block-down convertor Feedhorn)

The receive system contains three units:

03 Remote control unit for STB



02 Indoor Set-Top-Box (STB)

The subscribers of 'Free Dish', DTH service of Doordarshan, can view these Educational channels using the same Set Top Box and TV. No additional investment is required.

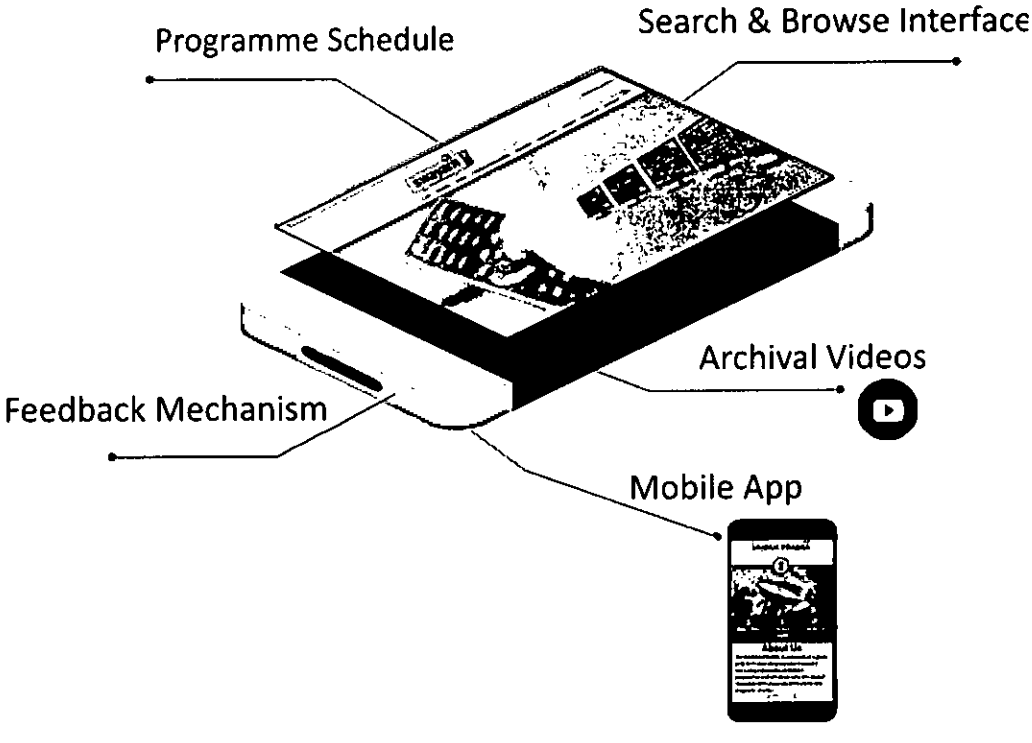
Receiving Parameters

Channel No.1 to 16
Downlink Frequency: - 11590 Mhz
Polarization: - Vertical
LNB Frequency: - 9750
Symbol Rate: - 29500 Ksps FEC: ¾

Channel No. 17 to 32
Downlink Frequency: - 11670 Mhz
Polarization: - Vertical
LNB Frequency: - 9750
Symbol Rate: - 29500 Ksps FEC: ¾

Swayamprabha portal features

- Comprehensive portal for SWAYAM-PRABHA;
- Login based access for admin stake-holder (Channel coordinator, MHRD, BISAG and DTH-Chennai);
- Searching of video content on different parameter such as channel-wise, subject-wise, etc
  Panel for channel coordinator to create programme-schedule and metadata creation of each video-content;
- Facilitate to viewers with 'My-Library' features and SMS alert (programme-schedule) system



List of 32 channel

Channel Name	Channel Route/Parent
Channel 01: CEC/UGC: Humanities- 1, Language and Literature	EMRC, EFLU, Hyderabad
Channel 02: CEC/UGC: Humanities- 2, Arts, History,Philosophy and related Subjects	CEC, New Delhi
Channel 03: CEC/UGC: Social Science -1, Sociology, Political Science and related subjects	CEC, New Delhi
Channel 04: CEC/UGC: Social Science - 2, Education, Psychology, Home Science and related subjects	CEC, New Delhi
Channel 05: CEC/UGC: Social Science - 3, Management, Library Science, Information Science and related subjects	EMRC/MCRC, Jamia Millia Islamia, New Delhi
Channel 06: CEC/UGC: Social Science - 4, Law, Legal Studies, Human Rights and related subjects	EMRC, Punjabi University, Patiala
Channel 07: CEC/UGC: Economics, Commerce and Finance	EMRC, Gujarat University,Ahmedabad
Channel 08: CEC/UGC: Physical sciences, Mathematics, Physics, Chemistry and related Subjects	EMRC ,University of Calicut
Channel 09: CEC/UGC: Life Sciences, Botany, Zoology, Bio-Science and related subjects	EMRC, Kashmir University, Srinagar
Channel 10: CEC/UGC: Applied Sciences, Allied Physical and Chemical sciences and related subjects	EMRC, Anna University, Chennai
Channel 11: NPTEL: Chemical Engineering, Chemistry and related Subjects	IIT Kharagpur
Channel 12: NPTEL: Civil Engineering and related subjects	IIT Delhi
Channel 13: NPTEL: Computer Science and Engineering	IIT Kharagpur
Channel 14: NPTEL: Electrical engineering, Electronics and Communication Engineering and related subjects	IIT Delhi
Channel 15: NPTEL: Engineering Sciences and general subjects for engineering	IIT Madras
Channel 16: NPTEL: Humanities, Social Sciences and Management	IIT Kanpur
Channel 17: NPTEL: Mechanical Engineering and related subjects	IIT Kanpur
Channel 18: NPTEL: Mathematics, Physics, Metallurgy and related subjects	IIT Tirupati / IIT Madras
Channel 19: IIT PAL: Biology	IIT PAL 1 IIT Delhi
Channel 20: IIT PAL: Chemistry	IIT PAL 2, IIT Delhi
Channel 21: IIT PAL: Mathematics	IIT PAL 3. IIT Delhi
Channel 22: IIT PAL: Physics	IIT PAL 4, IIT Delhi
Channel 23: IGNOU: Liberal Arts and Humanities	IGNOU, New Delhi
Channel 24: IGNOU: Agriculture, Vocational and Allied Sciences	IGNOU, New Delhi
Channel 25: IGNOU: Culture	IGNOU, New Delhi
Channel 26: IGNOU: State Open Universities' programs	IGNOU, New Delhi
Channel 27: NIOS: Secondary School Education	NIOS, New Delhi
Channel 28: NIOS: Higher Secondary School Education	NIOS, New Delhi
Channel 29: QEEE: QEEE 1 (Live classes in Engineering and Technology)	IIT Madras
Channel 30: NPTEL: Mathematics	IIT Madras
Channel 31: NCERT: School and Teacher Education	NCERT, New Delhi
Channel 32: IGNOU and NIOS: Teacher Education	IGNOU and NIOS, New Delhi

Team Members

INFLIBNET

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Director

Sh Abhishek Kumar
Scientist-C (CS)

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Digital Initiatives in Higher Education

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत

SWAYAM PRABH
Free DTH Channel for Education

National Digital Libra
of India

Virtual Labs
An MHRD Govt of India Initiative

eyantra

fossee
b e t t e
e d u c a t i o

सत्यमेव जयते

MHRD | Government of India
Ministry of Human Resource Developme

FREE ONLINE EDUCATION
swayam

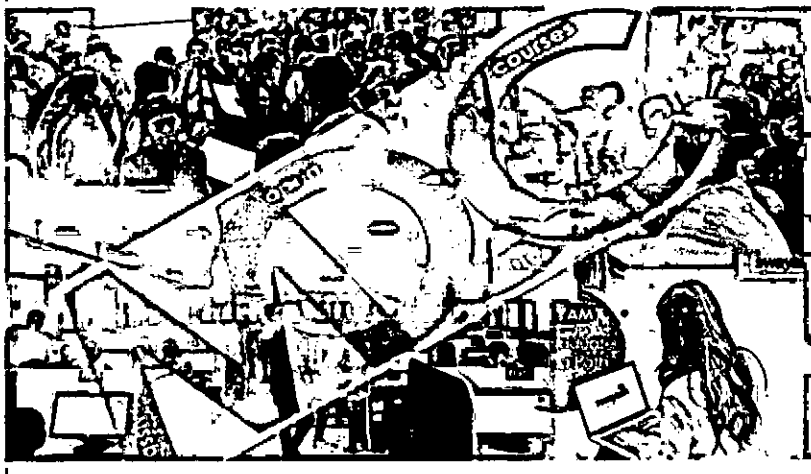
SWAYAM

Study Webs of Active Learning for Young Aspiring Minds
https://swayam.gov.in/

SWAYAM is India's own MOOCs platform offering online courses on all disciplines viz. Engineering, Law, Management, Humanities & Social Sciences and Professional Courses. It is designed to achieve the three cardinal principles of Education Policy - Access, Equity and Quality. SWAYAM is an indigenously developed Cloud based IT platform that facilitates hosting of all the courses, taught in classrooms from 9th standard till Post-Graduation to be accessed by Anyone, Anytime, Anywhere free of cost. All the courses are interactive, prepared by reputed teachers in the country and accessible through computers / mobile phones.

Launched on 9th July 2017

Anyone, Anytime, Anywhere Learning free of cos



Enrollments » 1.25+ Crores

Courses on SWAYAM » 2,867

Courses in Jan-2020 Semester » 567

No. of Students Certified » 5+ Lac.

National Coordinators

- **UGC** : PG Non Engineering
- **CEC** : UG Non Engineering
- **NPTEL** : UG & PG Engineeri
- **IIMB** : Management
- **IGNOU** : Certificate & Diploma
- **NITTTR** : Teacher Training
- **NIOS** : Open School 9th to 12th
- **NCERT** : School 9th to 12th
- **AICTE** : Annual Refresher Programme in Teaching (ARPIT) & Foreign Universities

SWAYAM - Continuous Learning Experience

Download SWAYAM applications from popular app stores

Google play | Available on the App Store | Windows Store

Swayam helpline: 18001219025 | email: support@swayam.gov.in

https://swayam.g

FREE ONLINE EDUCATION swayam

SWAYAM

Study Webs of Active Learning for Young Aspiring Minds

https://swayam.gov.in/

Key Features

Credit Transfer

☑ **Upto 20% Credit Transfer Facility Available for the Enrolled Students. Necessary regulations issued by UGC and AICTE.**

Integration with Conventional Education

☑ **Schedule of SWAYAM Courses aligned with Conventional Semester to facilitate easy Credit Transfer.**

Final Proctored Examination

☑ **The SWAYAM final proctored examination is conducted twice in a year (May & November) across the country in about 200 Centres (for both Computer Based Test and Pen & Paper Test).**

Local Chapter

☑ **3800+ Local Chapters established in Educational Institutions for:**
- **To Spread Awareness among Faculty & Students.**
- **Facilitate use of SWAYAM Course in Blended or Flip Classroom Mode.**

Online Degree Programme

☑ **Top Ranking Universities to offer Online Degree Programme through SWAYAM.**

Annual Refresher Programme In Teaching (ARPIT)

☑ **Faculty Development Programme for 1.3 Million Teachers.**

Global Reach

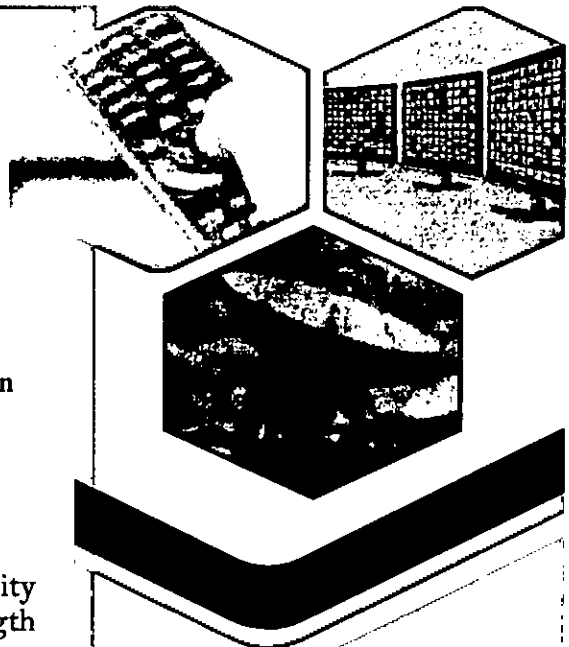
☑ **SWAYAM Courses being offered to African Students in more than 20 African Countrie under the e-VBAB Project of Ministry of External Affairs (Govt. of India). MoU signed with Afghanistan for sharing of SWAYAM resources.**

Download SWAYAM applications from popular app stores

Google play | Available on the App Store | Windows Store

Swayam helpline: 18001219025 | email: support@swayam.gov.in

https://swayam.g



PRABHA

Free DTH Channel for Education

https://www.swayamprabha.gov.in

Launched on 9th July 2017

SWAYAM PRABHA is an initiative to provide 32 high quality educational channels through DTH (Direct to Home) across the length and breadth of the country on 24X7 basis. This would enable to deliver e-education in a most cost effective & inclusive manner.

Higher Education: Curriculum-based course contents at post-graduate and under-graduate level.

IIT PAL: To assist the student in the classes 11 and 12 aspiring to join IITs.

School Education (9-12 levels): Modules for teacher's training as well as teaching and learning aids for children of India.

Curriculum-based courses that can meet the needs of life-long learners of Indian citizens in India and abroad.

Freely Available on DD Free Dish , Dish Tv (Zee) and Jio mobile app

Every day, there will be new content for at least (4) hours which would be repeated 5 more times in a day.

Channels uplinked from BISAG , Gandhinagar using 2 transponders of GSAT-15 Satellite.

The content for Swayam Prabha Channels are provided by NPTEL, IITs, UGC CEC, IGNOU, NCERT and NIOS

CONTACT US

swayamprabha@inflibnet.ac.in

+91 79-23268347 (Available on Monday To Friday from 9:30 AM To 6:00 PM)

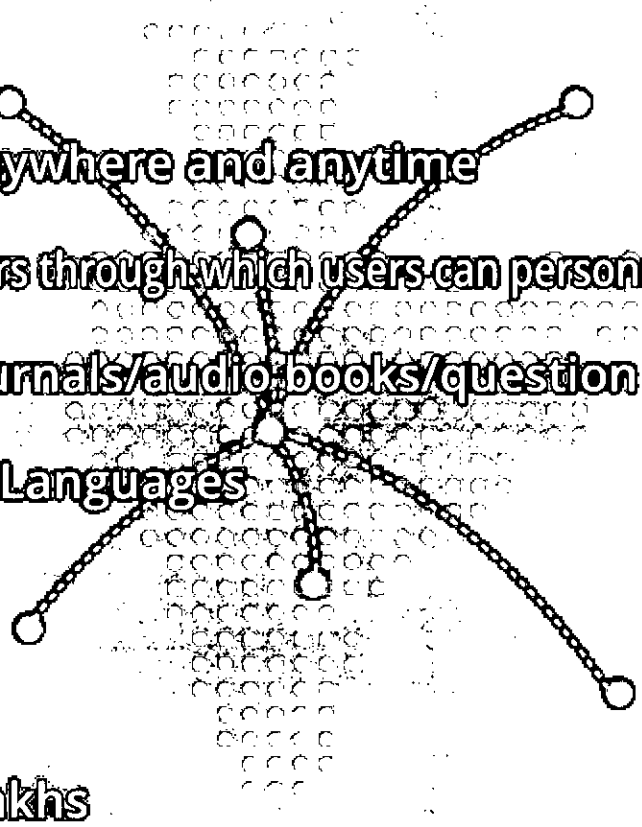
https://www.swayamprabha.go

National Digital Library of India (NDLI)

(https://www.ndl.gov.in/)

National Digital Library of India (NDL India) provides a framework a virtual repository of learning resources with a single-window searc facility.

- 24x7 learning resource
- Accessible by any one , from anywhere and anytime
- Single window search facility with filters through which users can personalise
- More than 3.8 Crore e-books/journals/audio books/question ban
- Contents are available in 200 + Languages
- Registrations : 52 lakh +
- Number of institutions: 13,352
- Mobile App downloads : 14.1 Lakhs



https://www.ndl.gov.in

Launched on 19th June 20

NATIONAL DIGITAL LIBRARY OF INDIA

Central Library • Indian Institute of Technology Kharagpur •
Kharagpur, West Bengal, India - 721302
+91-3222-282435 • ndl-support@iitkgp.ac.in

National Digital Librar of India

Virtual Labs
An MHRD Govt of India Initiative

VIRTUAL LABS

http://www.vlab.co.in/

Participating Institutes

IIIT, HYDERABAD

Virtual Labs provides a fully interactive simula environment to perform experiments, collect data, answer questions to assess the understanding of knowledge acquired. In order to achieve the objective such an ambitious project, it is essential to develop vir laboratories with state-of-the-art computer simula technology to create real world environments and probl handling capabilities. IIT Delhi as the Nodal Institute other 10 institutes is understanding this initiative.

- ☑ To provide remote access to [illegible] disciplines of Science and Engineering.
- ☑ Implemented by IIT Delhi.
- ☑ To share costly equipment and resources, which a otherwise available to limited number of users d to constraints on time and geographical distance
- ☑ Cover 100 Virtual Labs, approximately 1000+ web-enabled experiments.

अद्धायान् लभते ज्ञानम्

Wireless Research Lab
Room No - 206/IIA, Bharti School of Telecom
Indian Institute of Technology Delhi, Hauz Khas, New Delhi-110016

Phone : 011-26582050 | Email : support@vlab.co.in

http://www.vlab.co.in/

E-Yantra enable the effective education across engineering colleges in India on embedd systems and Robotics. The training for teachers and students is imparted through worksho where participants are taught basics of embedded systems and programming. Engagement teachers and students in hands-on experiments with robots by way of competition-event novative method of problem-solving with out-of-box solutions. e-Yantra also hel Robotics labs/clubs to make it a part of their routine training curriculu leges across India have benefited with this initiative. All the projects and co e-Yantra web-site www.e-yantra.org as open source content.

- Promoting robotics as multi-disciplinary engineering project
  - Supporting innovation by students
  - Learning by doing through group work
- Train teachers to teach engineering better
- A project by IIT Bombay
- e-yantra Lab Setup initiative (eLSI) supports infrastructure creation
- e-yantra competitions are held across colleges to create awareness
- 296 Labs established in 32+ regions , propose to establish 500 + labs
- Over 2115 Teachers trained
- 5,932 Total Teams participated in e-Yantra Robotics Competition (eYRC)

ERTS Lab,
First Floor, KReSIT Building,
IIT Bombay, Powai,
Mumbai - 400076, Maharashtra

Phone : 022 2576 4986, 022 25720184
Email : support@e-yantra.org

http://www.e-yantra.org/

fossee better education

FREE AND OPEN SOURCE SOFTWARE IN EDUCATION

https://fossee.in/

FOSSEE promotes the use of open source software in educational institutio (http://fossee.in). It does through instructional material, such as spoken tutorial documentation, such as textbook companions, awareness programmes, such as conference training workshops, and Internships. Textbook Companion (TBC) is a collection of code f solved examples of standard textbooks.

- FOSSEE project (http://fossee.in) has been promoting use of open source software in educational institutions.
- A project by IIT Bombay.
- Textbook Companion (TBC) is a collection of code for solved examples of standard textbooks. 1,000 TBCs have been created in Scilab and Python alone.
- FOSSEE is promoting the well established open source software: Open Foam, an alternative to the proprietary software Fluent for computational fluid dynamics.
- DWSIM, an alternative to the proprietary software Aspen Plus, for chemical process simulation. eSim, an electronic design automation software, an alternative to ORCAD.

CFD - Lab, Aero. Annex Building,
Below HSS Dept., Opp. Metallurgical Dept.
IIT Bombay, Powai, Mumbai - 400076
Maharashtra

Phone : 022-25764133 | Email : info@fossee.in

https://fossee.in/