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/

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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
regions 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/

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Virtual Labs
An MHRD Govt of India initiative

VIRTUAL LABS

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

Participating Institutes

Virtual Labs provides a fully interactive simulat
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 simulat
technology to create real world environments and probl
handling capabilities. IIT Delhi as the Nodal Institute w
other 10 institutes is understanding this initiative.

- ☑ To provid
  disciplines of
- ☑ 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 distanc
- ☑ Cover 100 Virtual Labs, approximately
  1000+ web-enabled experiments.

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/

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National Digital Library of India (NDLI)

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

National Digital Library of India (NDL India) provides a framework o 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

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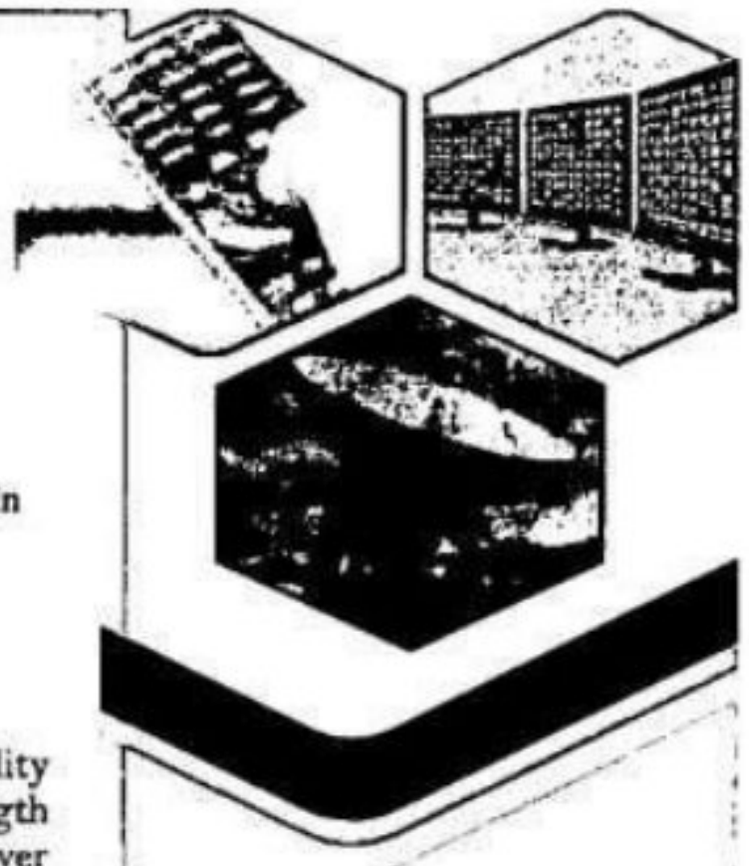

PRABHA

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.

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

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.

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.gc

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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

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SWAYAM

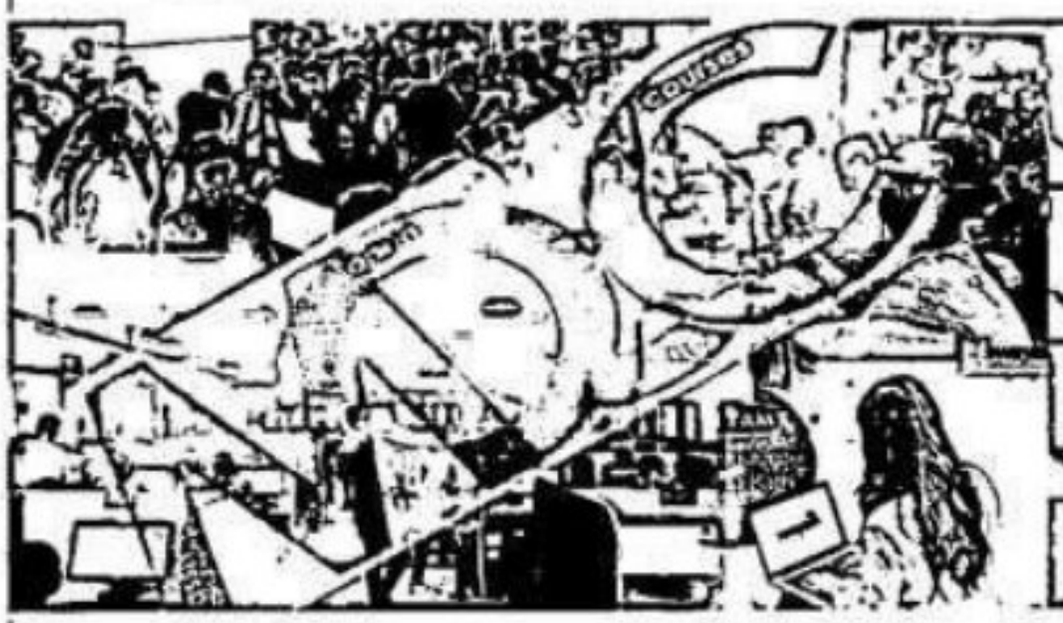
Study Webs of Active Learning for Young Aspiring Minds

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

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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 Library of India

Virtual Labs
An MHRD Govt of India Initiative

e-yantra

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

MHRD | Government of India
Ministry of Human Resource Developme

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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

Prof J P Singh Joorel
Director

Sh Abhishek Kumar
Scientist-C (CS)

INFLIBNET Centre, Gandhinagar-382007, Gujarat.
director@inflibnet.ac.in abhishek@inflibnet.ac.in
+91 7923268296 +91 7923268280
+91 7923268347

BISAG

Dr T P Singh
Director
info@bisag.gujarat.gov.in

Sh Rajesh Patel
Broadcast Engineer
+91 99099 45031
studio-bisag@gujarat.gov.in

Sh Sanjay Vaghasiya
Broadcast Engineer
+91 99099 45031
studio-bisag@gujarat.gov.in

Near CH '0' Circle, Indulal Yagnik Marg, Gandhinagar-382 007, Gujarat

MHRD/IITM

Prof K Mangala Sunder
Professor, Department of Chemistry
IIT Madras, Chennai - 600 036
mangal@iitm.ac.in

Sh Parameswaran N
Senior Consultant, MHRD
param.sc@nmeict.ac.in
+91 98681 37722

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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:

02 Indoor Set-Top-Box (STB)

03 Remote control unit for 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.

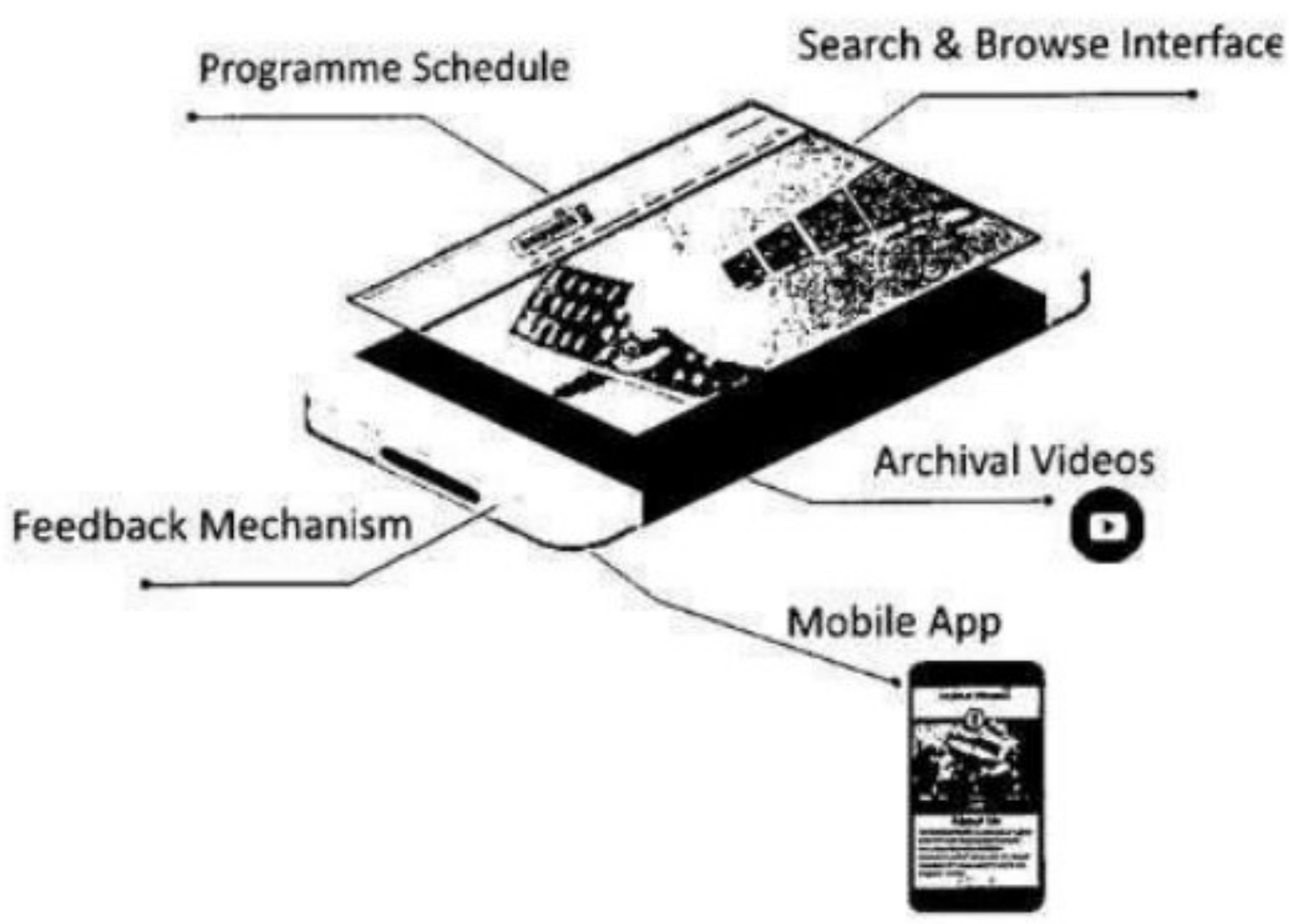
Receiving Parameters

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



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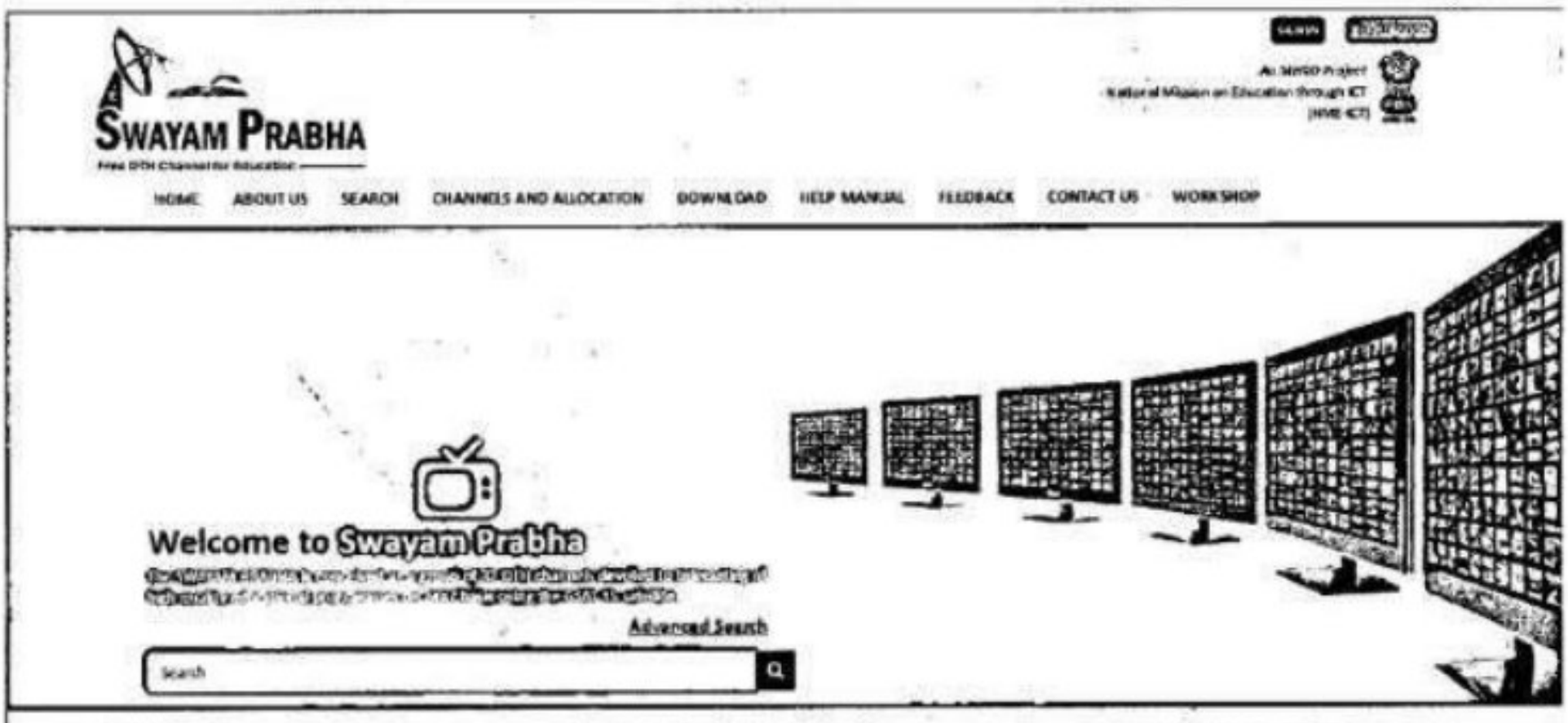
Introduction

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 their 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.



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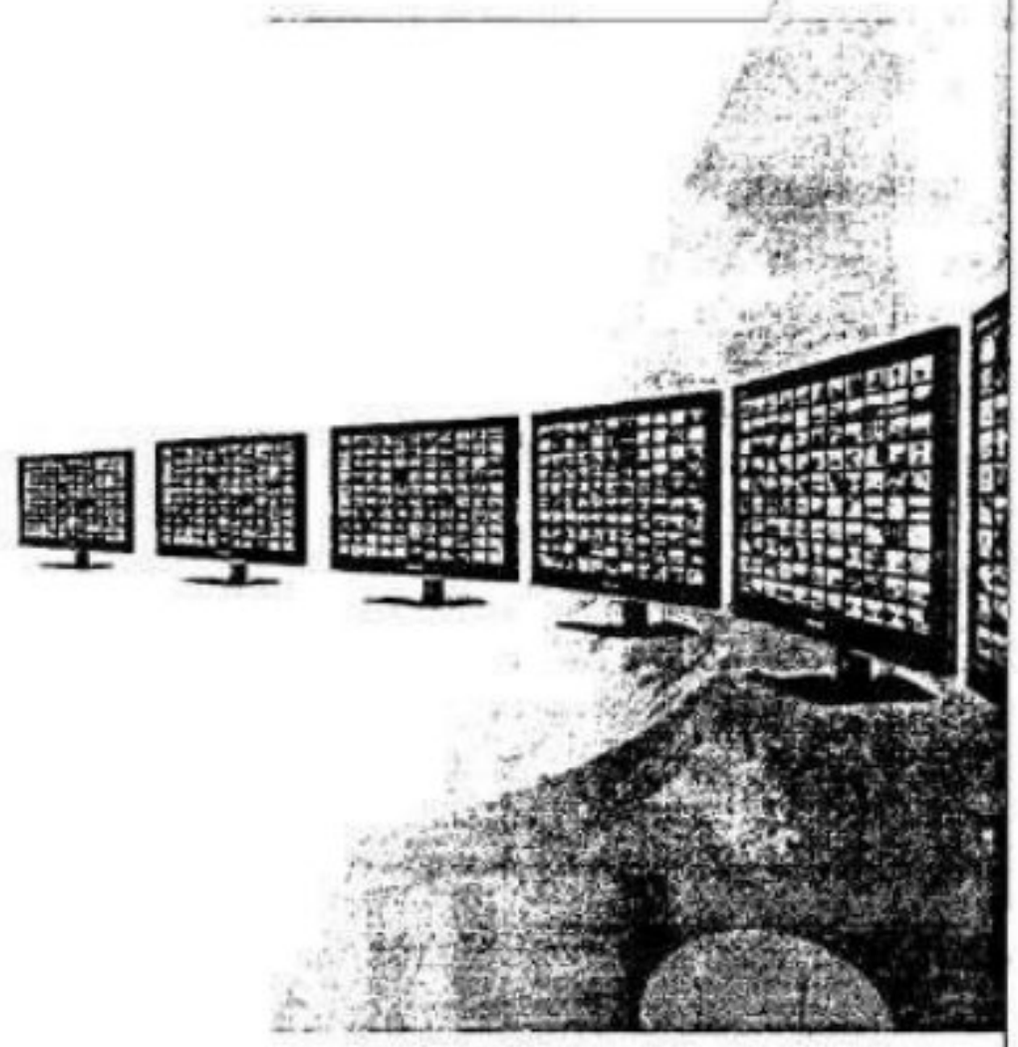
SWAYAM PRABHA

Free DTH Channel for Education

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.

NPTEL

INFLIBNET

BISAG

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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.			

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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.

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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 Millia	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. Mann	The Swayam Prabha DTH Channel ...
7	Channel 07: KAUTILYA: CEC/UGC: Economics, Commerce and Finance	EMRC Ahmadabad	patelbaldev56@yahoo.in, emrcahadad1@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	bishwo@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. Mummun 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	tsnair@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					

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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 Soni	-
20	Channel 20: IIT PAL: Chemistry	IIT PAL 2, IIT Delhi	ravipc@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...
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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...
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28	Channel 28: NIOS: Higher Secondary School Education	NIOS, New Delhi	sandhyakumar@nios.ac.in	Dr. Sandhya Kumar, DD (Academic), NIOS	Vision Statement: Sustainable ...
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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...
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31	Channel 31: NCERT: School and Teacher Education	NCERT, New Delhi	amarendra.behera@cieunic.in	Prof. Amarendra Behera, Joint Director, CIET, NCERT	Central Institute of Education...
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32	Channel 32: IGNOU and NIOS: Teacher Education	IGNOU and NIOS, New Delhi	gauriinedu@ignou.ac.in	Dr. Gaurav Singh, SEO, IGNOU	SYAWAM PRABHA DTH Channel 32 V...

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