

SWAYAM

STUDY WEBS OF ACTIVE-LEARNING
FOR YOUNG ASPIRING MINDS



What is SWAYAM?

SWAYAM is an indigenous **Massive Open Online Course (MOOC) platform** launched by the Ministry of Education, Government of India, to provide affordable and quality education from Class 9 to post-graduation.



Formally launched: **9 July 2017**

Core Objectives & Principles



Primary Objective:

To bridge the digital divide and ensure the three cardinal principles of Education Policy—**Access, Equity, and Quality.**



Inclusivity:

Reaches the most disadvantaged and remote learners using an IT platform that makes content accessible **anytime, anywhere.**

THE FOUR QUADRANTS OF LEARNING

SWAYAM follows a unique Four Quadrant Approach for its course design.

I

Quadrant-I (E-Tutorial)



- Video and audio lectures
- Animations, simulations and virtual labs
- Complete with video transcripts

II

Quadrant-II (E-Content)



- Self-instructional materials
- E-books
- Reading links
- Articles, case studies and research papers

III

Quadrant-III (Web Resources)



- Discussion forums to clear doubts
- Problem-solving
- Online interaction with instructors/peers

IV

Quadrant-IV (Self-Assessment)



- Quizzes
- Assignments
- Tests
- Solutions to evaluate learner progress

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In order to ensure that best quality content is produced and delivered, **ten National Coordinators** have been appointed for SWAYAM.

S. No.	National Coordinator (Abbreviation)	Area of Responsibility
1	AICTE (All India Council for Technical Education)	Self-paced and international courses
2	NPTEL (National Programme on Technology Enhanced Learning)	Engineering
3	UGC (University Grants Commission)	Non-technical post-graduation education
4	CEC (Consortium for Educational Communication)	Under-graduate education
5	NCERT (National Council of Educational Research and Training)	School education
6	NIOS (National Institute of Open Schooling)	School education
7	IGNOU (Indira Gandhi National Open University)	Out-of-school students
8	IIMB (Indian Institute of Management, Bangalore)	Management studies
9	NITTTR (National Institute of Technical Teachers Training and Research)	Teacher Training programme
10	INI (Institutes of National Importance)	Non-Technical Courses

SWAYAM

NATIONAL COORDINATORS

FOR CONTENT DEVELOPMENT



School Education



NIOS

National Institute of Open Schooling



NCERT

National Council of Educational Research and Training



Out-of-School Education



IGNOU

Indira Gandhi National Open University



NITTTR

National Institute of Technical Teachers Training and Research



Under-Graduate Education



NPTEL

National Programme on Technology Enhanced Learning



AICTE

All India Council for Technical Education



CEC

Consortium for Educational Communication



IIMB

Indian Institute of Management, Bangalore



Post-Graduate Education



NPTEL

National Programme on Technology Enhanced Learning



AICTE

All India Council for Technical Education



IIMB

Indian Institute of Management, Bangalore



UGC

University Grants Commission



Non-Technical Education



INI

Institutes of National Importance

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SWAYAM PRABHA

EDUCATION FOR EVERY LEARNER, 24×7



What is SWAYAM PRABHA?

▶ **SWAYAM PRABHA** is a group of **40 DTH channels** devoted to telecasting high-quality educational programmes on 24×7 basis using the **GSAT-15 satellite**.



Launched on: **07 July, 2017**
(Launch Year: **2017**)



40
NO OF CHANNELS



120600+
NO OF TITLES



TELECASTING SCHEDULE

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.



SATELLITE

The channels use the **GSAT-15 satellite** for telecasting.



UPLINKED FROM

The channels are uplinked from **BISAG-N, Gandhinagar**.



CONTENT PROVIDERS

The contents are provided by **IITs, UGC, CEC and IGNOU**.



WEB PORTAL

The **INFLIBNET Centre** maintains the web portal.

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SWAYAM PRABHA

CHANNELS 1 – 10

CEC/UGC, NEW DELHI



Channel No.	Name	Subject Area	
1	Vageesh	Language and Literature	
2	Sanskriti	History, Culture, Philosophy	
3	Prabodh	Social and Behavioral Sciences	
4	Saaraswat	Education and Home Science	
5	Prabandhan	Management, Information and Communication Studies	
6	Vidhik	Law and Legal Studies	
7	Kautilya	Economics and Commerce	
8	Aryabhata	Physical and Earth Sciences	
9	Spandan	Life Sciences	
10	Daksh	Applied Sciences	

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MOOCs

MASSIVE OPEN ONLINE COURSE



1 BASICS



Full Form

Massive Open Online Course.



Term Coined

2008, by Dave Cormier
(course CCK08 by George Siemens and Stephen Downes).



2012

called the
"Year of the MOOC".



Key Features

- Open access
- Large enrolment
- Online
- Often free
- Self-paced

2 TYPES OF MOOCs



cMOOC

(Connectivist)

- Based on networks and sharing.
- Learner is active and participates in creating and sharing knowledge.



xMOOC

(Extended)

- Content-driven and institution-based.
- Includes video lectures, quizzes and assessments.

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S. No.	Platform	Key Fact
1	 coursera	Andrew Ng and Daphne Koller (Stanford), 2012 
2	 edX	Harvard and MIT, 2012  
3	 UDACITY	Sebastian Thrun, from Stanford's AI course, 2012  
4	 Future Learn	UK, Open University  
5	 Khan Academy	Sal Khan, 2008  
6	 Udemy	2010 
7	 Alison	Ireland  
8	 XuetangX	Tsinghua University (China)   
9	 Miríadax	Spain  
10	 iversity	Germany  

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OTHER INDIAN ICT INITIATIVES IN EDUCATION



NPTEL

National Programme on
Technology Enhanced Learning

- By **IITs and IISc.**
- Started in **2003.**



SWAYAM Prabha

Free DTH Channel for Education

- **40 DTH channels** for educational programmes.
- Uplinked from **BISAG-N.**



e-PG Pathshala

A Gateway to all Post Graduate Courses

- Post-graduate (PG) content.
- By **UGC/INFLIBNET.**



a reservoir of Indian theses

- Repository of **PhD theses.**



Shodhgangotri

- Repository of **research synopses.**



Consortium for HE e-Resources

- **E-resources consortium** for higher education.



NDL

National Digital Library
of India

- National Digital Library.
- By **IIT Kharagpur.**



NMEICT

National Mission on Education
through ICT

- **Umbrella mission** for ICT in education.



Global Initiative of Academic Networks

- Brings **visiting foreign faculty** to India.



NEAT

National Educational
Alliance for Technology

- **Ed-tech alliance** to promote technology in education.



Spoken
Tutorial

- **IIT initiatives** for hands-on learning and capacity building.



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