e-Learning

SWAYAM

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overview

- What is e-L
- e-L Concept
- Content Creation
- Content Delivery
- MOOC
- SWAYAM
- Discussion
1. Media Consumption Habits.

The average mobile web user in India consumes 6.2 hours of media daily. Mobile devices represent 28% of this time.

7.1 Apps Actively used in last 30 days.

06:10

HOURS OF MEDIA PER DAY

- Mobile 102 min
- Television 86 min
- Online 79 min
- Tablet 33 min
- Radio 30 min
- Magazines 37 min

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IN ONLINE SALES

210,000 NEW PHOTOS

2.4 BILLION PEOPLE

Learning

E-Learning & Web-based Learning

Synchronous Learning & Asynchronous Learning
Learning

- **E-Learning**: The use of the Internet and related technologies for the development, distribution and enhancement of learning resources.

- **Web-based Learning**: Associated with learning materials delivered in a Web browser, including when the materials are packaged on CD-ROM or other media. disk
Synchronous learning

Learning and teaching takes place in real time (same time) while the trainer and learners are physically separated from each other (place shift).

Examples include:

• listening to a live radio broadcast
• watching live a television broadcast
• audio/video conferencing
• Internet telephony
• online lectures
• two-way live satellite broadcast
Asynchronous learning

Characteristic for asynchronous learning is the fact that the trainer prepares the courseware material before the course takes place. The learner is free to decide when he wants to study the courseware.

Examples include:
- self-paced courses taken via Internet or CD-ROM
- videotaped classes
- stored audio/video Web presentations or seminars
- recorded audio tapes
- Q & A mentoring
- reading e-mail messages
Content Creation

• Source/ Development of e-content (learning material)

Content Delivery

• Platform for outreach of e-content
E-Learning Element

Adequate volume of e-Text (8-10 pages)

E-text

Duration of video (25-30 Min)

Self learn

Assessment
* Multiple Choice Questions
* True or False Statements
* Sequencing
* Match the columns
* Fill in the blanks

Learn More
* Glossary
* Timeline
* Web links / references
* Interesting facts
* Did you know
<table>
<thead>
<tr>
<th>Sr No</th>
<th>At Class Room</th>
<th>At e-PG Pathshala</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Lecture on a topic</td>
<td>Write these lecture notes in MS Word or any other Word Processing Software</td>
</tr>
<tr>
<td>02</td>
<td>Explain lecture through ppt</td>
<td>Explain the above mentioned lecture in PPT (Description (Script) to be given in</td>
</tr>
<tr>
<td></td>
<td></td>
<td>‘Note’ section of PPT, if content writer is not able to give his/her voice)</td>
</tr>
<tr>
<td>03</td>
<td>Examine Student (Quiz section)</td>
<td>Prepare Questions in PPT/Word file: Objective Types, False / True Statements, etc.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>with right answer</td>
</tr>
<tr>
<td>04</td>
<td>Motivate / guide students to learn more from different sources</td>
<td>Identify source for further reading (books, articles, web resources, etc.) / provide glossary</td>
</tr>
</tbody>
</table>
volume of work

volume of a Course

1 Course = 30-35 Module (40 Hr lecture)

volume of a module

1 Module = 1 topic comprises of
a) e-text = textual material
b) Self-learning = audio / video component
c) Self assessment = Questions
d) Learn More = further reference material
Team work

Principal Investigator
(1)

Course Coordinators,
Reviewers, Editors
(N)

Team of Authors/
Content Writers
Content Delivery

• Platforms such as LMS, MOOCs
Learning Management System

- **Learning Management System** (or LMS) is a broad term used to describe software tools designed to manage user learning interventions and provide access to online learning services for students, teacher, and administrator.

- A software system, that allows the development and delivery of educational courses using the Internet as a delivery system.
MOOC - A different educational space
Boundary less Institute / University

Massive - enrolment numbers
Open - no mandatory qualifications
Online - fully
Course - structured

is an online course aimed at unlimited participation and open access via the web.

The basic philosophy of MOOCs is 3A’s i.e., Anytime, Anyone, Anywhere.

OER is a teacher’s material and MOOC is school / university.
Interest in MOOCs has increased exponentially from 2008 to 2018. India is ranked 13th based on search volume index in the world for MOOC related search queries.
Major Platforms / Players

1. Edx
2. Course Builder
3. Blackboard
4. WizIQ
5. MOODLE
6. Udacity

INDIA
SWAYAM
### SWAYAM

1. MOOC Platform by MHRD
2. Massive courses across all subject domain
3. Courses from School to University
4. Certificate / Credit [By Regulators]

### Players

1. UGC
2. CEC
3. IGNOU
4. NPTEL
5. NCERT
6. NIOS
7. IIMB
8. NITTTR
<table>
<thead>
<tr>
<th>National MOOCs Coordinator</th>
<th>Sectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Grants Commission (UGC)</td>
<td>Non-Technology Post Graduate Degree Programs</td>
</tr>
<tr>
<td>NPTEL</td>
<td>Technical/Engineering UG &amp; PG degree programs</td>
</tr>
<tr>
<td>Consortium for Educational Communication (An IUC of UGC)</td>
<td>Non-Technology Under Graduate degree programs.</td>
</tr>
<tr>
<td>IGNOU</td>
<td>Diplomas and Certificates</td>
</tr>
<tr>
<td>NCERT</td>
<td>School Education from Class 9&lt;sup&gt;th&lt;/sup&gt; to 12&lt;sup&gt;th&lt;/sup&gt;.</td>
</tr>
<tr>
<td>NIOS</td>
<td>School Education from Class 9&lt;sup&gt;th&lt;/sup&gt; to 12&lt;sup&gt;th&lt;/sup&gt;.</td>
</tr>
<tr>
<td>IIM Bangalore</td>
<td>Management programs.</td>
</tr>
<tr>
<td>NITTR, Chennai</td>
<td>Teacher Training programs.</td>
</tr>
</tbody>
</table>
Facilitator

Stake-holders
Role & Responsibilities

Teachers
1. Create Content
2. Create Course
3. Define Course
4. Start Course
5. Assist Learners
6. Exam preparation

Learners
1. Enroll for course
2. Study the course
3. Interact with teacher
4. Appear in exam
5. Get certificate / credit
Classification

Different parameters

Course
1. Paid
2. Free

Pace
1. Schedule driven
2. Self paced

Instructors
1. University courses
2. Private firms
UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016

**Learning Courses**
Online learning courses to be available on SWAYAM

**Notification**
SWAYAM to notify courses on June 1 & Nov 1, every year

**Credit Transfer**
Courses on SWAYAM permitted for credit transfer

**Choice of Courses**
Up to 20% courses in a Program can be on SWAYAM
Step 1: Make Amendments
The University through their Competent Authority (EC, AC, BOS), should make amendments in their Ordinances, Rules, Regulations to incorporate provisions for transfer of credits for MOOCs courses as per UGC Regulations.

Step 2: Select the Courses
The University shall select the courses to be permitted for credit transfer through SWAYAM. (eg courses in high demand for which faculty is not available, elective courses or for supplementing teaching-learning process) while ensuring that physical facilities like laboratories, computer facilities, library etc. required for the course are made available free to the students in adequate measure.

Step 3: Designate Course Coordinator
The University must designate a Course Coordinator/facilitator to guide the students throughout the course and to facilitate/conduct the Lab/Practical sessions/examinations.

Step 4: Disseminate Information
The University should widely disseminate information about selected courses to the students through faculty members, notice boards, student forums, workshops and university website etc.
Step 5: Course Registration
University to facilitate registration of students. Every student enrolled for the course in the University must register for the MOOCs course.

Step 6: Evaluation
The Host Institution shall evaluate the students registered for MOOCs courses based on discussion forums, quizzes, assignments, sessional and final examinations. The University to assist Host Institution in conducting the final examination.

Step 7: Marks of the Students
The University shall incorporate the marks/grades communicated by the Host Institution in the final mark sheet of the student which counts for award of degree/diploma. However, the University shall evaluate the students for the practical/lab component and incorporate these marks/grades in the overall mark sheet of the student.

Step 8: Certificate
On receipt of MOOCs completion certificate from Host Instt, the University to give equivalent credit weightage upto 20% for the credits earned through SWAYAM. No University shall refuse any student for credit mobility for courses earned through MOOCs.
UGC-MOOCs: A Vertical of SWAYAM
SWAYAM is an instrument for self-actualization providing opportunities for a life-long learning. Here learner can choose from hundreds of courses.
UGC-MOOCs Portal Features

- Information about all PG non-technology courses
- Interface for MOOCs Courses (EoI & Proposal)
- Guidelines (MOOCs, Regulations, Credit Transfer, Content Creation)
- Awareness and Workshop
- Login features: Dashboard for Coordinators
  - Profile creation of USC & their USMs
  - Registration details of learners
  - MOOCs to be taken/ approach
  - Communication between USC & USMs
  - Discussion Forums
Proposal for Developing
Non-Technology PG MOOCs for SWAYAM

About SWAYAM

SWAYAM is an instrument for self-actualisation providing opportunities for a life-long learning. Here learner can choose from hundreds of courses, virtually every course that is taught at the university / college / school level and these shall be offered by best of the teachers in India and elsewhere. If a student is studying in any college, he/she can transfer the credits earned by taking these courses into their academic record. If you are, working or not working, in school or out of school, SWAYAM presents a unique educational opportunity to expand the horizons of knowledge.

SWAYAM is the indigenous platform of the MHRD, GOI providing an integrated portal and platform for hosting Massive open online courses (MOOCs) developed under the aegis of NME-ICT. Government of India adopted the MOOCs concept to supplement the formal education system in the country from high school to higher education, named aptly as the “Study Webs of Active-Learning for Young Aspiring Minds” (SWAYAM). It hosts various courses based on curriculum, continuing education and skill.

Who can submit detailed proposal

- An academician/faculty having 5 years of PG Teaching Experiences in concerned field, can be the Course Coordinator.
- The Faculty employed in the institutions who are eligible to receive funding from UGC that i.e. included under section 2 (f) and 12B of UGC Act 1956 and eligible to receive central assistance are eligible for applying for MOOCs.
- The Faculty employed in University/College would be required to submit a consent letter of the host University/Institute to develop MOOCs Courses.
- As the courses, carry credits/certification, they shall be cleared by the 'Host University/Institute', who are authorised to award degrees as per section 22 of the UGC Act, 1956 and also agree to conduct End Examination, assessment and grant credits/certification.
- One Course Coordinator can offer only one course at a time.
Cycle of a traditional Course
Life Cycle of MOOC Course (Creation to Delivery)

01. Course proposal and Approval of the course & Promote the Course
02. Content Development & Repurpose
03. Content upload
04. Student Enrolment and Deliver course
05. Student Activity and Interact with student through forum and chat
06. Proctored Examination
07. Credit Transfer from the host institute
Prepare Yourself for MOOCs

As a Content Creator
Creation / Repurposing Content

**Requirement**

**Action Plan**

**Work on content development**

Prepare content with respect to four quadrants. Coverage of all topics for a given course in four quadrants. Supplement existing materials with transcriptions of video, incorporation of multimedia, if required.
Course Plan (week-wise) can be developed by sequentially arranging the 35-40 modules for each course. After this, 4-5 modules need to be clubbed spanning the distribution across 6-8 weeks as “WEEK-1”, “WEEK-2”, “WEEK-3” and so on.
Introduction to overall courses or introducing the course and description

- About course
- Introductory Video
- Development Team
- Syllabus
Creation / Repurposing Content

Description of Course (About Course)

- Objective
- Pre – requisite
- Learning outcomes
- Target Learners
- Timeline duration
- Type of course (Certificate / Credit)
Experience as a Course Coordinator
1. **Course Proposal and Approval**

1. Submit the course proposal to UGC with justifications
   - Course overview
   - Target audience
   - Delivery mode (self paced / Scheduled)

2. Sign MoU with UGC / INFLIBNET / your Institution.

3. Get the funds released

4. Course approval by the National Coordinator
2. Content Development & Repurpose

Repurpose of existing Content
1. Course schedule for 10-15 weeks duration
2. Overall Course Introduction (5 Minutes video)
3. Weekly course introduction (2 minutes video)
4. Activities (4 activities & 4 Questions)
5. Weekly Assignments & Question – One liners
6. Self Assessment (MCQ) – Question bank

Content for 10 / 15 weeks – depending upon credit of the course
3. Consent from University (for Credit Transfer)

1. Obtain consent from a university who would recognize the course and transfer the credit

   ✓ Your own university

   ✓ Or any other University / degree awarding institution
4. Course Announcement / Content Uploading

1. Announce the course on SWAYAM portal

1. Course Introduction video & weekly introductory video

1. Upload the e-text to the content library and arrange the content as per course schedule

1. Embed the video from YouTube for the respective module (self learn)

2. Upload self assessment questions for each module

3. Upload activities and assignments every week
5. Student Enrolment and Course Delivery

1. Announce the course through SWAYAM and invite student to enroll into the course through social media, e-mail, formal and informal arrangements

1. Invite co-faculty to handle the course and invite the teaching assistant to assist the course coordinators

2. Deliver the course through SWAYAM as per the schedule
6. Student Activity and Interact with student through forum and chat

- Send message and other regular notification to the learners through SWAYAM Platform
- Student could start the discussion and the course coordinator moderate the discussion
- Queries from the learners addressed by the fellow learners and coordinators
- Learning progress of the learners could viewed by student and coordinators
- Weekly assignment submitted by the students
- Coordinators review the assignment and give the grade / or return to the student with his / her comments (for resubmission, if required)
7. Proctored Examination

✓ Learners get weightage by SWAYAM portal for each activity such as
  ✓ Reading the course material on the portal
  ✓ Watching the video
  ✓ Self assessment
  ✓ Submission of assignment (by coordinator)

✓ Eligible students are invited for the survey to know their willingness and preferable location to attend the proctored examination

✓ Learners get the credit based on the learning behavior and proctored examination
8. Credit Transfer from the host Institute

- Learner gets the grade / weightage for weekly assignments, activities, quizzes, progress made, etc.
- Proctored examination
- Certificate or Credit transferred to his / her university
Look & Feel of SWAYAM

(For Content Hosting)
Live Course with a Weekly Schedule

Select the type of course and its delivery method:

**Live Course with a Weekly Schedule**

Instructor-led, Live courses have live classes along with course content that is delivered according to a fixed weekly schedule.

To know more about Instructor-led, Live Courses, view the presentation below:

**Self-paced Course with Sections**

Self-paced courses are without live classes. The course content is organized and delivered according to sections.

To know more about Self-paced Courses, view the presentation below:
Create a Course Profile and Content

Let's Get Started!

*Course Title: (Maximum 70 characters)

ICT-INFORMATION AND COMMUNICATION TECHNOLOGY

*Description:

A brief description about the information and communication technology.

Open Access

Course logo/image: Upload from Desktop | Choose from WizIQ Content Library

Course Banner: Upload from Desktop
Set Course Duration with Start and End Date
## Setting Week Wise Plan

### Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Course Topics &amp; Content</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Week 1</strong></td>
<td><strong>Week 1</strong></td>
</tr>
<tr>
<td>All Week</td>
<td>Add:</td>
</tr>
</tbody>
</table>

### Hide Days of Week 1

<table>
<thead>
<tr>
<th>Day</th>
<th>Add:</th>
<th>Files</th>
<th>Embedded Content</th>
<th>Live Class</th>
<th>Recorded Class</th>
<th>Assignment</th>
<th>Test</th>
<th>Scorm Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 21</td>
<td>Add:</td>
<td>Files</td>
<td>Embedded Content</td>
<td>Live Class</td>
<td>Recorded Class</td>
<td>Assignment</td>
<td>Test</td>
<td>Scorm Package</td>
</tr>
</tbody>
</table>

| May 22 | Add: | Files | Embedded Content | Live Class | Recorded Class | Assignment | Test | Scorm Package |

| May 23 | Add: | Files | Embedded Content | Live Class | Recorded Class | Assignment | Test | Scorm Package |
Video upload for first day / week
Assignment to Students With Due Date

ON AND COMMUNICATION TECHNOLOGY / Create an Assignment

*Title: ADVANCE TOPICS

Description:
Write a brief description about the advance technologies in ICT with a max of 200 words.

Learners can submit the assignment at any time.
Learners must submit the assignment on or before the due date.

Files:
Browse or Choose from content library

Create Assignment Cancel

Supported file formats and sizes:
Document: (up to 50MB)
- .ppt, .ppsx, .pps, .pptx
- .xls, .xlsx
- .doc, .docx, .rtf
- PDF
Audio / Video: (up to 100MB)
- .wav, .wma, .mp3, .mov, .avi, .mpeg, .wmv, .mp4, .flv
Display the List of Plan

<table>
<thead>
<tr>
<th>Week 1</th>
<th>Week 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>All Week</strong></td>
<td><strong>Files</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Content</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hide Days of Week 1</strong></td>
<td></td>
</tr>
<tr>
<td><strong>May 21</strong></td>
<td><strong>Files</strong></td>
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<td><strong>May 22</strong></td>
<td><strong>Files</strong></td>
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</tbody>
</table>
MOOCs Platforms / Providers
<table>
<thead>
<tr>
<th>Sr.</th>
<th>Dimension/parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Openness of content</td>
<td>Whether MOOC provides access to content without registration or not and type of licence used for content. If MOOC uses creative license and allows access without registration.</td>
</tr>
<tr>
<td>2</td>
<td>Openness of technology</td>
<td>MOOC is built using open source tools.</td>
</tr>
<tr>
<td>3</td>
<td>Use of multimedia</td>
<td>Along with videos, ppts, animations specialized simulation software used.</td>
</tr>
<tr>
<td>4</td>
<td>Use of social media</td>
<td>Presence on social media platforms. Collaboration with social media platforms to promote MOOC.</td>
</tr>
<tr>
<td>5</td>
<td>Language support</td>
<td>Number of languages in which courses available.</td>
</tr>
<tr>
<td>6</td>
<td>Certificate Courses</td>
<td>Number of courses which have provision of certificate.</td>
</tr>
<tr>
<td>7</td>
<td>Responsive web design</td>
<td>Has mobile version of website</td>
</tr>
<tr>
<td>8</td>
<td>Mobile apps</td>
<td>Availability of smart phone apps on different mobile operating systems like android and iOS.</td>
</tr>
<tr>
<td>9</td>
<td>Catalogue diversity</td>
<td>Type of courses. Engineering, humanities etc.</td>
</tr>
</tbody>
</table>
EdX is a massive open online course (MOOC) provider and online learning platform. It hosts online university-level courses in a wide range of disciplines to a worldwide audience, some at no charge. It also conducts research into learning based on how people use its platform.

<table>
<thead>
<tr>
<th>Funded and owned by</th>
<th>MIT &amp; Harvard University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address</td>
<td><a href="https://www.edx.org/">https://www.edx.org/</a></td>
</tr>
<tr>
<td>Launched on</td>
<td>May 2012</td>
</tr>
<tr>
<td>Participating Institutes</td>
<td>As of July 2016 More than 70 Schools and more than 110 partners</td>
</tr>
<tr>
<td>Funding (in USD)</td>
<td>$60 million</td>
</tr>
<tr>
<td>Available Languages</td>
<td>English, Mandarin, French, Hindi, Spanish</td>
</tr>
<tr>
<td>No of Users</td>
<td>10 Million (As of October 2016)</td>
</tr>
</tbody>
</table>
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<td><a href="https://www.edx.org/">https://www.edx.org/</a></td>
</tr>
<tr>
<td>Participating Institutes</td>
<td>As of July 2014, there are 50 members</td>
</tr>
<tr>
<td>Funding (in USD)</td>
<td>$60 million</td>
</tr>
<tr>
<td>Available Languages</td>
<td>English, Chinese, Mandarin, Hindi, French, Spanish [16]</td>
</tr>
</tbody>
</table>
Coursera is an education platform that partners with top universities and organizations worldwide, to offer courses online for anyone to take, for free as well as paid.

<table>
<thead>
<tr>
<th>Funded and owned by</th>
<th>Andrew Ng and Daphne Koller</th>
</tr>
</thead>
<tbody>
<tr>
<td>Launched</td>
<td>April 2012</td>
</tr>
<tr>
<td>Web Address</td>
<td><a href="https://www.coursera.org/">https://www.coursera.org/</a></td>
</tr>
<tr>
<td>Participating Institutes</td>
<td>As on December 2014, there are 106 University members, and 7 non-university members</td>
</tr>
<tr>
<td>Number of Registered users</td>
<td>More than 10 million (as on October, 2014)</td>
</tr>
<tr>
<td>Available Languages</td>
<td>English, Spanish, French, Chinese, Arabic, Russian, Portuguese, Turkish, Ukrainian, Hebrew, German, Italian, Portuguese</td>
</tr>
</tbody>
</table>
The National Programme on Technology Enhanced Learning (NPTEL), a project funded by the NME-ICT, MHRD.

It provides e-learning through online Web and Video courses in Engineering, Sciences, Technology, Management and Humanities.

NPTEL is a curriculum building exercise and is directed towards providing learning materials in science and engineering by adhering to the syllabi of All India Council for Technical Education and the slightly modified curricula of major affiliating Universities.

<table>
<thead>
<tr>
<th>Funded and owned by</th>
<th>Indian Institute of Science (IISc) &amp; Indian Institutes of Technology (IIT) Funded by Ministry of Human Resource and Development, Government of India.</th>
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<tbody>
<tr>
<td>Launched</td>
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<tr>
<td>Web Address</td>
<td><a href="http://nptel.ac.in/">http://nptel.ac.in/</a></td>
</tr>
<tr>
<td>Participating Institutes</td>
<td>As of December 2014, there are 8 coordinating institutes, and 5 Associate Partner Institutions</td>
</tr>
<tr>
<td>Available Languages</td>
<td>English</td>
</tr>
</tbody>
</table>
### Visitors by Country

<table>
<thead>
<tr>
<th>Country</th>
<th>Percent of Visitors</th>
<th>Rank in Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>India</td>
<td>69.5%</td>
<td>1,500</td>
</tr>
<tr>
<td>United States</td>
<td>6.1%</td>
<td>38,355</td>
</tr>
<tr>
<td>Nigeria</td>
<td>3.0%</td>
<td>3,755</td>
</tr>
<tr>
<td>Pakistan</td>
<td>2.1%</td>
<td>6,653</td>
</tr>
<tr>
<td>Egypt</td>
<td>1.4%</td>
<td>6,472</td>
</tr>
</tbody>
</table>
Udacity was born out of a Stanford University experiment in which Sebastian Thrun and Peter Norvig offered their "Introduction to Artificial Intelligence" course online to anyone, for free. Over 160,000 students in more than 190 countries enrolled and not much later, Udacity was born.

<table>
<thead>
<tr>
<th>Funded and owned by</th>
<th>Sebastian Thrun, David Stavens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding of USD 21 Million</td>
<td></td>
</tr>
<tr>
<td>Launched</td>
<td>2012</td>
</tr>
<tr>
<td>Web Address</td>
<td><a href="http://www.udacity.com">www.udacity.com</a></td>
</tr>
<tr>
<td>Number of Registered users</td>
<td>1.6 Millions</td>
</tr>
<tr>
<td>Available Languages</td>
<td>English</td>
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</tbody>
</table>
Study Webs of Active Learning for Young Aspiring Minds

SWAYAM provides an integrated platform for online courses, using information and communication technology (ICT) and covering courses high School to post-graduate subjects including skill sector courses.

<table>
<thead>
<tr>
<th>Funded By</th>
<th>MHRD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Players of Swayam</td>
<td>UGC, CEC, IGNOU, NPTEL, NCERT, NIOS</td>
</tr>
<tr>
<td>Courses</td>
<td>School to University</td>
</tr>
<tr>
<td>Certificate / Credit [By Regulators]</td>
<td>Credit Certificate</td>
</tr>
<tr>
<td>MOOC Platform</td>
<td>MHRD</td>
</tr>
<tr>
<td>Subject Domain</td>
<td>Engineering, Science, Humanities, Management, Language, Mathematics, Arts, Commence, General, Library, Education</td>
</tr>
</tbody>
</table>
Thanks

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