



**NOIDA  
INTERNATIONAL  
UNIVERSITY**



Volume 9, November 2022

ISSN: 2394-0298

## **NIU International Journal of Human Rights**

A UGC CARE Listed Journal



**NOIDA INTERNATIONAL UNIVERSITY**

[www.niu.edu.in](http://www.niu.edu.in)



NIU International Journal of Human Rights is published annually by NIU.  
ISSN: 2394 – 0298  
Volume 9, November 2022

Listed at: Indian Citation Index

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Plot No. 1, Sector 17-A, Yamuna Expressway  
Gautam Buddha Nagar, Uttar Pradesh  
[www.niu.edu.in](http://www.niu.edu.in)

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ISSN – 2394 - 0298

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## MASSIVE OPEN ONLINE COURSES MOOCS : A STUDY

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**Abstract:**

*Massive Open Online Courses or MOOCs play as a powerful platform in Open Educational Resources (OER) which drastically changed the higher education system such as distance learning, online learning-learning, open learning methods etc. Now a day MOOC's have brought new pragmatism towards the technique of teaching and learning procedure that adapting new tools and services to distribute learners. The purpose of this paper explores the concept, Characteristics, procedure for registration, functionality, courses offered and teaching pedagogy of SWAYAM and COURSERA and creates awareness of e-learning through MOOC platform courses like SWAYAM and COURSERA that can be useful for aspiring students, faculties and universities to enhance their education in different subject area.*

**Keywords:** MOOC'S, Open Educational Resource (OER), Online Learning, SWAYAM, COURSERA.

**Introduction:**

The Indian education system is witnessing transformation in the era of information and communication technology (ICT) there has been a sea change in teaching, learning and evaluation process from school to higher education level with the use of various ICT tools in line with the Digital India Initiative. The entire scenario is thus being reinvented in a more innovative, flexible effective and experiential manner. The Ministry of Education ( MoE) ,Government of India, has undertaken a number of reforms in order to transform the country's education system. SWAYAM stands for Study Webs of Active –Learning for Young Aspiring Minds. This national program is based on MOOCs (Massive Open Online Course) platform. It is designed to achieve three fundamental principles of the New Education Policy i.e. Access, Equity and Quality.

SWAYAM provides teaching learning resources through an online platform. It is a free and broadly covers a variety of courses in social science, commerce, performing arts, engineering technology, law medicine, and agriculture etc.

**SWAYAM:**

(Study Webs of Active – Learning for Young Aspiring Minds) SWAYAM is a programme initiated by Government of India and designed to achieve the three cardinal principles of Education policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hit there to remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy.

**COURSERA:**

Coursera partners with more than 200 leading universities and companies to bring flexible, affordable, job-relevant online learning to individuals and organizations worldwide. COURSERA offer a range of learning opportunities from hands-on projects and courses to job-ready certificates and degree programs.

### Definition of Term

**MOOCs:** A massive open online course is an online course aimed at unlimited participation and open access via the web.

**SWAYAM:** SWAYAM is a Sanskrit acronym that stands for "Study Webs of Active – Learning for Young Aspiring Minds "

**COURSERA:** COURSERA is an education company that partners with the top universities and organizations in the world to offer courses online for anyone to take, for free.

**E– Learning:** A learning system based on formalised teaching but with the help of electronic resources is known as E – learning. While teaching can be based in or out of the classrooms, the use of computers and the Internet forms the major component of E – learning

### Aims & Objectives of the Research

This paper will be valuable for students, research scholars and faculty members. It will create awareness of E – learning through MOOC platform courses like SWAYAM and COURSERA.

- To generate the awareness about the E – learning platform like MOOC.
- To do a detailed study on the courses available on SWAYAM & COURSERA.
- To know teaching pedagogy of SWAYAM and COURSERA
- To know the National coordinators of SWAYAM and COURSERA.
- To examine the registration process for the various courses provided by SWAYAM and COURSERA.
- To find out various languages used for provided different courses

### Scope & Limitations.

Following are the Best MOOC Platforms to take online courses

1. Canvas Network
2. Cognitive Class
3. Coursera
4. edX
5. FutureLearn
6. Iversity
7. Kadenze
8. Khan Academy
9. Udacity
10. Udemey
11. Swayam

Only two courses provided on MOOC platform that is SWAYAM and COURSERA will be considered for the study.

### MOOC's provided different type of courses is available:

- Accounting Courses
- Area studies Courses
- Business & Management Courses
- Chemistry Courses
- Computer Programming Courses

- Creative Art Courses
- Current Events Courses
- Data Science Courses
- Design Courses
- Entrepreneurship Courses
- Investing Courses
- Language Courses
- Humanities Courses
- Professional Development Courses
  - Statistics Courses
  - And many mores...

**Four Quadrants:**

It hosts various courses based on curriculum, continuing education and skill.

**MOOCs:** Massive Open Online Courses (MOOCs) are such online courses which are developed as per the pedagogy stated herein and following the four quadrant approach consisting of video, text, self-assessment and learn more.

**Characteristics of MOOC's:**

There are four characteristics of MOOC's

- **Massive Open Online Courses** are available online, often free of charge, and provided by recognizable institutions. These online courses respect certain technical specifications and the following four characteristics: they leverage web formats, are collaborative, contain evaluation modules, and are limited in time.
- **Using Web Format:** MOOCs heavily rely on different web formats. Consequently, the large majority of courses consist of pre-recorded videos that are streamed by users. To create content tools like YouTube or Video are commonly used. Streamed videos are meant to simulate the presence of the trainer. MOOCs can also use live-streams to create a virtual classroom environment. Occasionally, teachers also organize live sessions with their students using tools like Hangouts or Ustream. This is a unique opportunity for students to get in touch with the trainer directly and ask questions. MOOCs also offer meetups and in-person get together. Meetups are generally organized by MOOC participants who want to meet up with other course participants in their area. They are an opportunity to discuss course topics but also work on group projects.
- **Collaborative Learning:** One Key aspect of MOOCs is their collaborative component. During a MOOC, everything possible is done to recreate the in-class experience, including the use of collaborative tools. Rather than a vertical distribution of knowledge, MOOCs allow for the emergence of learning communities where the input of each participant enriches the course. Social Q&A Forums (advanced forums with voting functionalities), Facebook groups, meet ups, or peer corrections are used to encourage and develop collaboration.
- **Assessing Knowledge:** In addition to content designed to convey knowledge; MOOCs offer tools to assess the transfer and retention of this knowledge. These modules help make courses more dynamic and interactive and generally take the form of multiple-choice exams, programmed tests, or essay questions that are corrected automatically, by teachers or by classmates. Additionally,



MOOCs can offer certificates to those who have completed the course. These certificates are how most American MOOC platforms monetize their content.

- **Time Limits:** The final characteristic of MOOCs is the notion of time limitations. MOOCs have specified start and end dates. Course content (documents, videos, exercises, etc.) is delivered sequentially, each week. For the learner, coursework is spread over time. Temporally structuring course content helps make it seem like a series of mini events and allows for the creation of an efficient communication strategy including teasers, email updates, etc. It is also an effective means to ensure that the MOOC mimics a traditional attended course with weekly classes. All of these criteria combined create MOOCs. Taken apart, they were already present in online learning, in some form or another. What made the MOOC format unique is that for the first time all of these elements were used simultaneously in a single course format.

**SWAYAM:** SWAYAM (meaning 'Self' in Sanskrit) is an acronym that stands for "Study Webs of Active-Learning for Young Aspiring Minds". It is an Indian Massive open online course (MOOC) platform. The SWAYAM initiative was launched by the then Ministry of Human Resource Development (M.H.R.D.) (now Ministry of Education), Government of India under Digital India to give a coordinated stage and free entry to web courses, covering all advanced education, High School and skill sector courses. It was launched on 9th July 2017 by Pranab Mukherjee, Honourable President of India. SWAYAM Portal ([www.swayam.gov.in](http://www.swayam.gov.in)) is an initiative of central government to digitalise the education system and to reach at remote areas. Swayam portal provides free online courses and 32 Swayam DTH Channels across the country. This portal has been launched to cover all students who are untouched from education. The government efforts are all set to spread and improve the quality of education across the country. Through the Swayam portal [www.swayam.gov.in](http://www.swayam.gov.in), teachers also can register themselves to improve or gain knowledge regarding any particular subject. The ministry is aimed at providing high quality e-content to all colleges and universities and student free of cost through the Swayam portal. SWAYAM has been developed cooperatively by MHRD (Ministry of Human Resource Development) and AICTE (All India Council for Technical Education) with the help of Microsoft and is equipped for facilitating 2,000 courses. The platform offers free access to everyone and hosts courses from class 9 to postgraduation. It enables professors and faculty of centrally funded institutes like IITs, IIMs, IISERs, etc. to teach students.

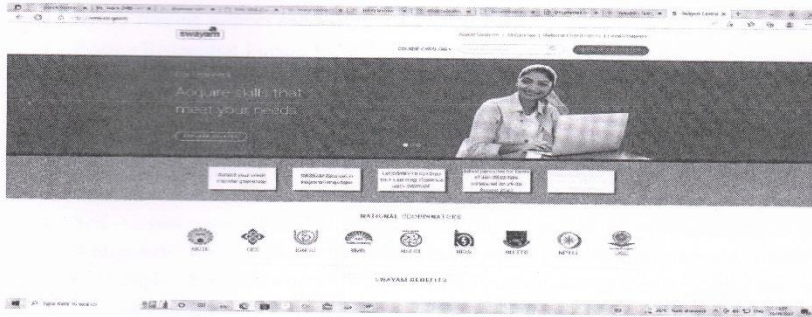
**Characteristics of SWAYAM:**

- Best in class instructor
- Weekly Assignments
- Proctored Exam
- Easy Credit Transfer
- Active Local Chapters
- Systematic Approach

**Procedure for SWAYAM Registration:** Below is the step procedure to complete SWAYAM portal registration with screenshots.

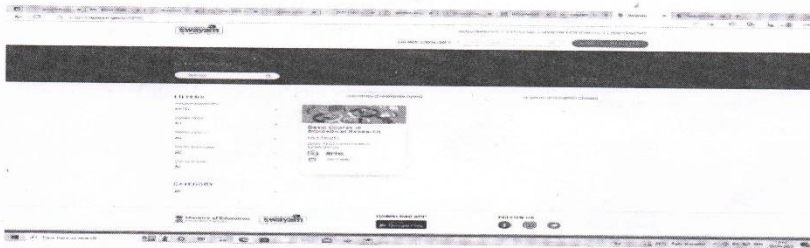


Figure. No. 1: Home Page of SWAYAM



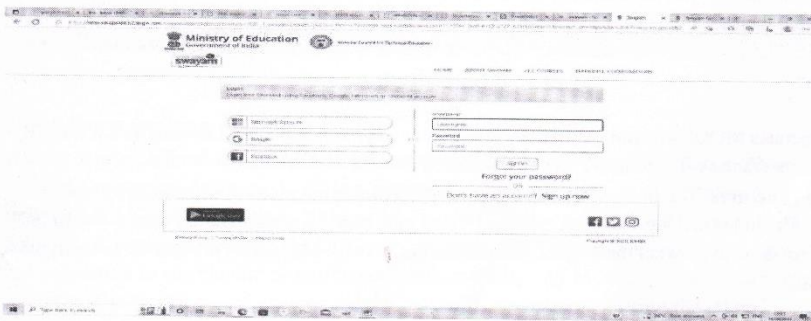
Step 1: Go to official website on SWAYAM portal at <https://swayam.gov.in>.

Figure No. 2: Official Website page of SWAYAM



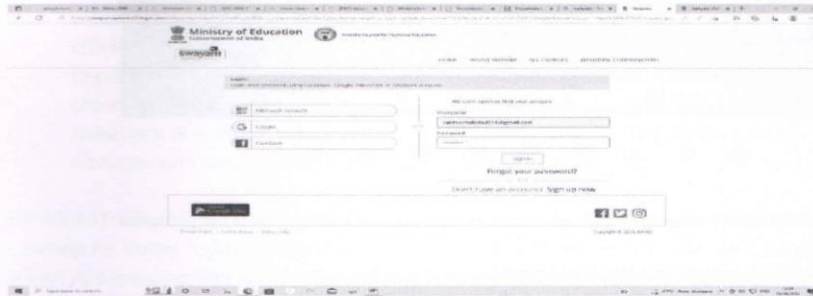
Step 2: Then click on “SIGN IN / REGISTER” button on the top right corner as given in the below image.

Figure No. 3: Sign in Page of SWAYAM



Step 3: A new page will open, click the “Sign up now” link below the login form as given in the below image. You can also sign up with your Microsoft, Google and Facebook account.

**Figure No. 4: Sign up now Page**



Step 4: Fill all the required details in the form including the verification code received on email by clicking the “Send Verification Code” button and submit the form by clicking on “CREATE” button at the bottom.

**Figure No. 5: Create account Page**



Step 5: Your registration on SWAYAM portal is complete and you can now login and start learning. After login on this portal, you can access and learn the desired courses. The portal shows you the name of professors and their experiences.

**Functionality:**

SWAYAM operates MOOCs learning resources in different ways and structure. Learning in SWAYAM has four parts/quadrants: e-Tutorial, e-Content, discussion forums, assessment.

- **Video Lectures.** The first quadrant is direct teaching means not much of extra work by students; it could include teaching video, animation, PowerPoint Page 38 presentation, Podcast and so on. All these depend on what the subject is and what the strategy adopted by the teacher to teach the students

- **Reading Material that can be Downloaded / Printed:** The second quadrant is an e-content which could include e-books, illustrations, Case studies, Open source content, Reference link, further reading sources and so on.
- **Online Discussion Forum for Clearing the Doubts & Knowledge:** The third quadrant is about clearing student's queries. Discussion forum is a part of it means students can interact with other students and faculty to clarify their doubts. The discussion forum is like a doubt counter where any student or faculty can answer the question of a student. SWAYAM is an Indian government programme providing educational opportunities for a vast number of university and college learners.
- **Self – Assessment Tests and Quizzes:** The fourth quadrant is self-assessment to check what a student have studied and whether he/she is eligible to get certificate. It could be tests in the form of Multiple Choice Questions (MCQs), or quiz or short answer questions, long answer questions, etc. The fourth quadrant also has Frequently Asked Question (FAQs) and their answers to clarify common misconceptions among students.

**National Coordinators of SWAYAM :** For intensify and upgrade learning experience divergent types and perpetually aggregate of audio – video and mixed media / technology are using in this structure. The leading caliber placate are fabricate for the SWAYAM and for its development total nine National Coordinators have been specified and they are embrace (Including their roles)

- AICTE (Self-paced and international courses) NPTEL (For engineering)
- UGC (Non – technical post-graduation education)
- CEC (Under graduate education)
- NCERT (School education)
- NIOS (School education)
- IGNOU (School students)
- IIMB (Management studies)
- NITTTR (Teacher training program)

#### **COURSES OFFERED on SWAYAM:**

- Postgraduate Courses
- Undergraduate Courses
- Certificate Courses
- College Level Courses
- School Level Courses
- Free Courses

#### **CREDIT TRANSFER**

All the courses offered by SWAYAM are recognized by the government of India. All the courses are valid in the country and also, UGC has announced “Credit Framework for Online Learning Courses through SWAYAM” Regulations, 2016 in the Gazette of India on July 19, 2016 where credit transfer for SWAYAM courses is defined. The UGC regulation requires Universities to make changes in their rules and regulation to incorporate provision for credit mobility and MOOC courses under the SWAYAM platform. The certificates of degrees and diploma will be given on clearing the criteria of course taken



and that certificate will be credit mobility for academic credits. The current guideline of UGC constrains just 20 per cent of the courses for a degree-level program

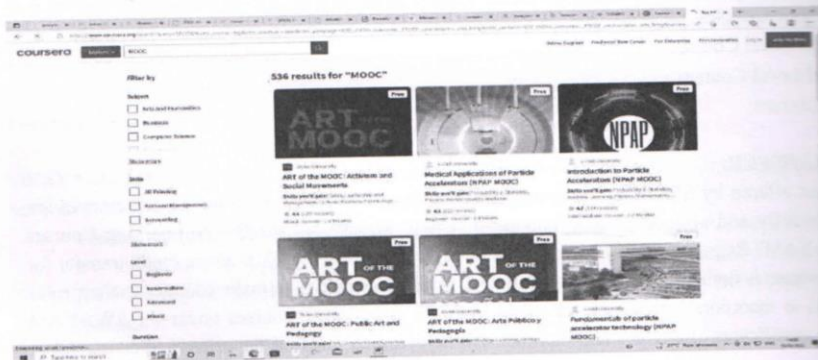
**LOCAL CHAPTER NPTEL:** is a joint initiative of the IITs and IISc, NPTEL offers online courses and certification in various fields. NPTEL has set up a system to provide certificate courses in different colleges all over India termed as NPTEL- local chapters. A local chapter will be under one faculty member of the college- one single contact and so called Single Point of Contact (SPOC). Further under the SWAYAM-NPTEL webpage, two more departments are operated, timeline, list of active local chapters, local chapter's ratings, etc. and other department shows news from local chapter, local chapter colleges/universities. each Local Chapter has a separate Coordinator/SPOC.

**UGC consider SWAYAM:** University Grants Commission (UGC) considers that universities should play a key role in disseminating and popularizing SWAYAM courses among their learners and the university, enabling them to gain from Massive Open Online Courses on a more extensive and broader footing.

**COURSERA:**

Coursera is a U.S.-based massive open online course provider founded in 2012 by Stanford University computer science professors Andrew Ng and Daphne Koller. Coursera works with universities and other organizations to offer online courses, certifications, and degrees in a variety of subjects. In 2021 it was estimated that about 150 universities offered more than 4,000 courses through Coursera. Coursera was founded in 2012 by Stanford University computer science professors Andrew Ng and Daphne Koller. Ng and Koller started offering their Stanford courses online in fall 2011, and soon after left Stanford to launch Coursera. Princeton, Stanford, the University of Michigan and the University of Pennsylvania were the first universities to offer content on the platform. Offerings have since expanded to include Specializations – collections of courses that build skills in a specific subject – as well as degrees and a workforce development product for businesses and government organizations. In 2014 Coursera received both the Webby Winner (Websites and Mobile Sites Education 2014) and the People's Voice Winner (Websites and Mobile Sites Education) awards.

Figure No. 6: COURSERA home page



**Characteristics of COURSERA:**

- World Class
- Affordable
- Flexible
- Job relevant
- Free Courses

**Procedure for COURSERA**

Registration: Below is the step procedure to complete COURSERA portal registration with screenshots.

Step 1: Go to official website on COURSERA portal at <https://www.coursera.org>

**Figure No 7. Official website page of COURSERA**



**Figure No. 8: Log in page of COURSERA**

Step 2: Then click on “Log In / Join for Free” button on the top right corner as given in the below image.



**Figure No. 9: Sign up page of Coursera**

Step 3: A new page will open, click the “Sign up now” link below the login form as given in the below image. You can also sign up with your Google, Facebook and apple account.

**Self-Assessment:**

Self-assessment to check what student has studied during the entire course and whether he / she is eligible to get course certificate. All this is seen in the form of Multiple choice questions (MCQ's ), Quiz, short note answer questions, long answers questions, Graded assignment, etc.

**Flexible Schedule:**

If student does a job/housewife/business or else, then the option of Flexible Schedule is also available for them so that they can complete their studies along with their work.

**National and International Co – coordinators of COURSERA**

The COURSERA work with top most universities in world wide. They have 273 partners across 57 countries which offering 9,673 courses. In India MOOC is one of the Coordinator who providing a COURSERA on their Platform.

**List of Some Partner Institutes of COURSERA:**

Accenture  
 Indian School of Business (ISB )  
 Berklee college of Music  
 Advancing Women in Tech  
 Alberta Machine Intelligence Institute ( amii )  
 Indian Institute of Technology, Bombay  
 Arizona State University  
 Ashoka University  
 California Institute of the Arts  
 Duke University  
 Indian Institute of Management, Calcutta (IIM )  
 Indian Statistical Institute

**STRATEGIC PARTNERS:**

As of December 2019, the total number of partners is more than 200 across 29 countries. Coursera mainly works with universities and colleges, but also with corporations and governments. University partners include University of São Paulo in Brazil, University of London in the UK, Indian School of Business of India, Yonsei University in Korea, and institutions like Yale, University of Illinois and University of Pennsylvania. Google launched Professional certification program. Google will consider all of its certificates as the equivalent of a four-year college degree.

**IMPACT:**

In 2020, in response to the COVID-19 pandemic, Coursera launched a course by the Jameel Institute at Imperial College London. Called "Science Matters: Let's Talk About COVID-19", the course was the most popular launched on Coursera in 2020, with over 130,000 enrolled learners that year. The course was presented by Jameel Institute research lead Professor Helen Ward and deputy director Dr Katharina Hauck, with specific modules in collaboration with other researchers from across Imperial.



## DATA ANALYSIS &amp; INTERPRETATION

**Table No: 1**  
**Profile of SWAYAM & Coursera**

Sr.No	Name	SWAYAM	Coursera
1	Developed by/ Maintained by	Ministry of Human Resources Development, Gov. of India	Daphne Koller & Andrew Ng
2	Establishment Year	2017	2012
3	Moto	Shikshit Bharat, Unnat Bharat	Learning without Limits
4	Website	www.SWAYAM.gov.in	www.coursera.org
5	Platform	MOOC	MOOC
6	Country	India	California, US
	Language	English, Hindi	English
7	National & International Coordinators	9 National coordinators AICTE, NPTEL, UGC, CEC, NCERT, NIOS, IGNOU, IIMB, NITTTR	<b>They have 273 partners across 57 countries</b> <b>List of Some National &amp; International Institutes</b> <b>Accenture, Indian School of Business (ISB), Berklee college of Music, Advancing Women in Tec</b>

Browsed two learning platform i.e., **SWAYAM & COURSERA**. SWAYAM is developed by Ministry of Human Resources Development, Gov. of India and COURSERA is developed by Daphne Koller & Andrew Ng. These two learning platform are very useful for student and professionals to learn new courses which shows in Table No. 1

**Table No: 2**  
**Basic Features of SWAYAM & COURSERA**

Feature	SWAYAM	Coursera
Ownership	Government	Private
Teaching Pedagogy	Video, audio, text, discussion forum, quizzes, self – assessment, images, presentation, animation	Audio, text, video, quizzes, self – assessment, transcript, image, graded assignment, projects
Types of courses offered	School education, Teacher	Degree, Post-graduation,

	education, Under graduation, Post-graduation, technical education	Professional certificate, Master – track certificate, Specialization degree
Credit transfer in course	Yes	NO
Cost	Free, additional cost for certificate	Some free courses, some paid courses
Collaboration	9 National coordinators	With worldwide universities & institutions
Certificate Type	Not Sharable	Sharable Certificate
Languages covered	8 languages	30+ languages
Log in	Login with SWAYAM account & also with Microsoft, Google & Facebook Account	Login with Coursera account & also with Google, Facebook & Apple account
Register	<a href="https://swayam.gov.in">https://swayam.gov.in</a>	<a href="https://www.coursera.org">https://www.coursera.org</a>
Privacy policy	Yes	Yes
Download App	Google play store	Apple app store, Google play store
Connect	Facebook, Instagram, Twitter	Facebook, Twitter, LinkedIn, Instagram
Copyright	©2022 SWAYAM.All rights reserved	©2022 Coursera Inc. All rights reserved
Helpline/Support	Yes	Yes

Table No: 3  
Courses of SWAYAM & COURSERA

Sr. No.	Course Name	SWAYAM	COURSERA
1	Post Graduate	Yes	Yes
2	Undergraduate 3	Yes	Yes
3	College	Yes	No
4	School	Yes	No
5	Free Courses	Yes	Yes
6	Certificate	Yes	Yes
7	Total	6	4

Table No.3 shows the courses level provided by SWAYAM & Coursera. Swayam provided the courses from school level (class 9) to post graduation level. While in coursera provide a course only for graduation & post-graduation level. SWAYAM & Coursera both are providing free courses & certificate courses.

Table No: 4  
Subject Wise Courses of SWAYAM & COURSERA

Sr.No.	Subject	SWAYAM	COURSERA
1	Arts & Humanities	Yes	Yes
2	Business	No	Yes
3	Computer Science	No	Yes
4	Data Science	No	Yes
5	Health	Yes	Yes
6	Information Technology	No	Yes
7	Language Learning	No	Yes
8	Maths & Logic	Yes	Yes
9	Personal Development	No	Yes
10	Physical Science & Engineering	No	Yes
11	Social Science	No	Yes
12	Annual Refresh Programme in Teaching	Yes	No
13	Architecture & Planning	Yes	No
14	Engineering & Technology	Yes	Yes
15	Law	Yes	No
16	Management & Commerce	Yes	No
17	NPTEL Domain	Yes	No
18	School	Yes	No
19	Teacher Education	Yes	No
	Total	11	12

The above table shows some main subjects provided by SWAYAM & Coursera. SWAYAM provide 11 main subjects and Coursera provide 12 main subjects.

Table No 5  
Teaching Pedagogy of SWAYAM & COURSERA

Sr. No.	Teaching Pedagogy	SWAYAM	COURSERA
1	E – Tutorial	Yes	Yes
2	Discussion Forum	Yes	Yes
3	E – Content	Yes	Yes
4	Self-Assessment	Yes	Yes



5	Flexible Schedule	No	Yes
6	Mobile Learning	Yes	Yes
7	Graded Assignment	No	Yes
8	Online Test	Yes	No
9	Video test	Yes	Yes
10	Homework exercise	No	Yes
	Total	07	09

Table no.5 shows the teaching pedagogy of SWAYAM & Coursera. SWAYAM provide 7 types of Teaching Pedagogy & Coursera provide 9 types of teaching Pedagogy.

Table No: 6  
National Coordinator and Partnering Institutes of SWAYAM and Coursera

Sr No.	National Co-ordinator	SWAYAM	Coursera
1	All India Council for Technical education ( AICTE )	Yes	No
2	National Programme on Technology Enhanced Learning ( NPTEL )	Yes	No
3	University Grants Commission ( UGC )	Yes	No
4	Consortium for Educational Communication ( CEC )	Yes	No
5	National Council of Education Research & Training ( NCERT )	Yes	No
6	National Institute of Open Schooling ( NIOS )	Yes	No
7	Indira Gandhi National Open University ( IGNOU )	Yes	No
8	Indian Institute of Management, Banglore ( IIMB )	Yes	No
9	National Institute of Technical Teachers Training & Research ( NITTTR )	Yes	No
10	Ashoka University	No	Yes
11	Indian Institute for Human Settlements ( IIHS )	No	Yes
12	Indian Institute of Management, Ahmedabad	No	Yes
13	Indian Institute of Management, Calcutta	No	Yes
14	Indian Institute of Management, Kozhikode	No	Yes

15	Indian Institute of Technology, Bombay	No	Yes
16	Indian Institute of Technology, Guwahati	No	Yes
17	Indian Institute of Technology, Roorkee	No	Yes
18	Indian School of Business (ISB)	No	Yes
19	Indian Statistical Institute	No	Yes
20	International Institute of Information Technology, Bangalore	No	Yes
21	O. P. Jindal Global University	No	Yes
22	Philips	No	Yes
23	Yunus Social Business Fund, Bengaluru	No	Yes
	Total	09	14

Table No. 6. shows the National coordinators & Partnering Institutes of SWAYAM & Coursera. SWAYAM has 9 National Coordinators & Coursera has 14 National Coordinators. Here are some of the major institution are included for the study. Coursera has 273 partnering institute where on SWAYAM has 203 partnering institute and 9 National Co-ordinators.

Table No: 7  
Languages Used in SWAYAM & Coursera.

Sr. No	Language Used	SWAYAM	Coursera
1	Afrikaans	No	Yes
2	Bengali	Yes	Yes
3	Catalan	No	Yes
4	Croatian	No	Yes
5	Dutch	No	Yes
6	German	No	Yes
7	Hindi	Yes	Yes
8	Italian	No	Yes
9	Khmer	No	Yes
10	Lithuanian	No	Yes
11	Persian	No	Yes
12	Portuguese ( Brazil )	No	Yes
13	Russian	No	Yes
14	Spanish	No	Yes
15	Tamil	Yes	Yes
16	Ukrainian	No	Yes
17	Vietnamese	No	Yes

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18	Urdu	No	Yes
19	Thai	No	Yes
20	Swahili	No	Yes
21	Serbian	No	Yes
22	Portuguese ( Portugal )	No	Yes
23	Polish	No	Yes
24	Macedonian	No	Yes
25	Kinyarwanda	No	Yes
26	Japanese	No	Yes
27	Hungarian	No	Yes
28	Greek	No	Yes
29	English	Yes	Yes
30	Czech	No	Yes
31	Chinese ( China )	No	Yes
32	Bulgarian	No	Yes
33	Albanian	No	Yes
34	Arabic	No	Yes
35	Burmese	No	Yes
36	Chinese ( Traditional	No	Yes
37	Danish	No	Yes
38	French	No	Yes
39	Hebrew	No	Yes
40	Indonesian	No	Yes
41	Javanese	No	Yes
42	Korean	No	Yes
43	Mongolian	No	Yes
44	Romanian	No	Yes
45	Slovak	No	Yes
46	Tagalog	No	Yes
47	Turkish	No	Yes
48	Portuguese	No	Yes
49	Uzbek	No	Yes
50	Gujarati	Yes	No
51	Kannada	Yes	No
52	Malayalam	Yes	No
53	Marathi	Yes	No
54	Telugu	Yes	NO
	Total	09	50

The above table shows the courses provided in number of languages on SWAYAM & Coursera. SWAYAM provide courses in 9 languages & Coursera provide courses in 50 languages.



Table No: 8  
 Ranking of SWAYAM & Coursera  
 Points Scored from Tables

	Table 3	Table 4	Table 5	Table 6	Table 7	Total Points gained	Rank
SWAYAM	06	11	07	09	09	42	2 <sup>nd</sup>
COURSEERA	04	12	09	14	50	89	1 <sup>st</sup>

Above table shows that ranking of Open learning platform of MOOC. After mixing the points gained by SWAYAM & Coursera accordingly to the tables SWAYAM scored total 42 points & Coursera scored 89 points. Which shows that SWAYAM is on 2nd rank & Coursera is on 1 st rank?

#### Conclusion:

The society switch rapidly and world moves towards digital world. The world love to learn new information technology and digital technology related to profession, living style, languages and many more along with the job. The online platforms are trying to give their best to provide all this. The MOOC is one of the growing online knowledge providers in world. On MOOC the two E – learning platforms i.e., SWAYAM and Coursera is provide best learning on their platforms. After analysing both the platforms , came on this conclusion. SWAYAM is a government initiative project while Coursera is a private project. The courses provided on SWAYAM is free of cost but you have to pay some fees for certificate on other hand Coursera is provide free as well as paid courses. The teaching pedagogy of SWAYAM and Coursera is almost similar with minor differences. SWAYAM works on National level while Coursera is a worldwide course provider. The courses are provided in different languages on both platforms, SWAYAM provide courses in 9 languages all over country and Coursera provide courses in 50 languages all over the world. SWAYAM provide education from school (class 9th) to post – graduate level and Coursera provide Certificate, under – graduate and post – graduate level courses. The potential of MOOCs offered by SWAYAM and Coursera is very high and it is recognised across the country by the Government of India.

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