

**SWAYAM :****Study Webs OfActive-Learning For Young Aspiring Minds Making A Digital India**<sup>1</sup> Asst. Prof. Supriya Bhagat, <sup>2</sup>Asst .Prof. Roshan Raju<sup>1,2</sup> Sadhu Vaswani Institute of Management Studies(SVIMS) for Girls, Pune.

**Abstract** -For the complete development of a nation education plays important role in development of individuals thereby contributing immensely to the overall. A revolutionary change in education has been witness globally in recent times. This happens primarily because of digital revolution taken place all across the globe.

Once upon a time a typical Indian classroom was portrayed by students sitting through hour-long session, teacher used to discuss the things without any visual presentation and by just using black boards. Cheers to digital technology, it has made life easier for both students and educators. For effective child learning process Digital education is fun learning for all cadres and particularly effective in child's cognitive learning process as the innovative audio-video feature boosts the cognitive elements in a child's brain. Online education has provided a new way of learning to develop a student's mindset beyond schooling education by using digital platforms such as E-books, learning management systems. E-learning market in India is estimated at more than 3 billion at present. More than 370 million users are on internet in India helping online education to grow at a fast pace. Google and KPMG today launched a report highlighting the growth opportunity for the online education industry in India :2021 The report gives a comprehensive overview of the current trends and challenges in various segments of online education and projects the market to grow around 9 times to hit USD 1.96 billion by 2021. emergence of hybrid learning channels, the continuous need for working professionals to learn new skills as well as the emergence of technologies such as big data and artificial intelligence that is enabling online education vendors to design customized content. This research paper focuses on SWAYAM and how it is revolutionizing the Indian online education sector. Massive Open Online Courses (MOOC) platform 'Swayam' that will host over 2,000 courses for up to 3 crore students across the country on August 15. It is the right a move that will mainstream online courses and increase their acceptability and credibility in the Indian higher education system., Online education played an important role in developing Indian education industry overall in terms of money as well as innovation. Most of the population are on internet and learn everyday something from it. Online education provides the medium for students to develop skills just by sitting home at free of cost.

**Keywords** :Digital India, Online education, SWAYAM, online courses, certificates

**I. INTRODUCTION**

Digital education means learning using digital Medias, where learning is supported by digital technology or by instructional practice. Digital learning occurs across all learning areas and domains. It's an win-win opportunities for all because of Digital as at one side School, colleges and other institution finds the rapid rise in enrolments and added revenue because of digital education, and on other side students view this as a flexible and alternate option allowing them to study as per their convenient time and pace. It has made the task of teacher and professors too convenient in order to prepare their teaching plans aided by digital technology as world is summarized in one platform.. Teaching and learning becomes a smoother experience as it includes animations, gamification and audio-visual effects.

Multilayered education system with 260 million students enrolled in more than 1.5 million schools and 39000 colleges catering to 27.5 million undergraduate and four million post graduate students has been seen in India. Primary, secondary. Graduation, post-graduation and diploma courses come under formal education.

India is evolving at faster pace over the last few years in terms of digital education in India. The way of conceptualization has changed in the way students learn different concepts and theory in school and colleges. The chalk and talk method has slowly replaced with more interactive teaching methods as schools and colleges are increasingly adopting digital solutions.

More students participation Digital from students has been observed as the current generation of students are well-versed with laptops, I-pads, and smartphones. There are different private players in the field of digital education like Edu comp, Tata Class Edge, Pearson, and Teach Next who are continuously engage and developing different interactive software to help teachers in classroom teaching.

### **1.1 KEY CATEGORIES OF DIGITAL ONLINE EDUCATION**

Component of Digital Education: Primarily Digital Education has 3 components:

- The content
- The technology platforms
- The delivery infrastructure
- Driven by the demand for quality Education.
- Supplement to school learning for students enrolled in primary and secondary classes in school.
- The online channel provides a conducive educational avenue for these students who require focused, individual learning.

#### **Higher Education**

- Provide an alternative to traditional higher education courses.
- Currently restricted by lack of clarity on regulations.
- A strong regulatory framework can work as the substitute to distance learning programs.

#### **Test Preparation**

- Online examinations aimed at coaching students in preparation for competitive examinations.
- Witnesses' reasonable adoption from target students largely from tier 2 and tier 3 cities.

#### **Reskilling and Online Certification Market**

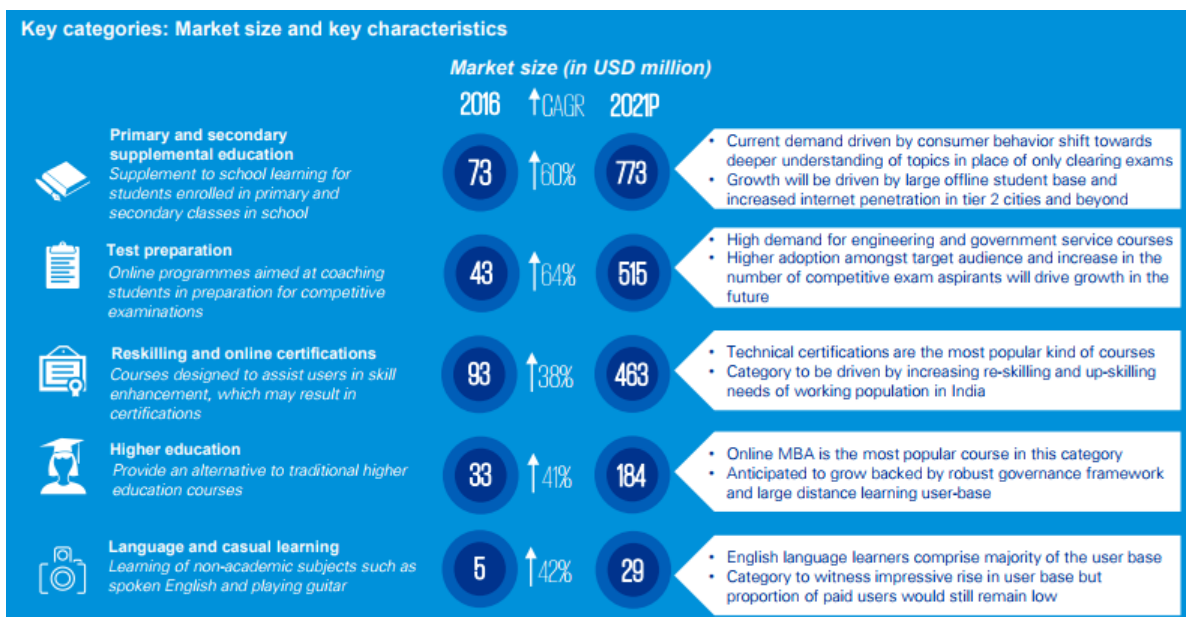
- Courses designed to assist users in skill enhancement, which may result in certifications.
- It is the largest category in the Indian Online Education Industry.
- Preference towards online trainings for skill developments.

#### **Language and Casual Learning**

- Learning of nonacademic subjects such as spoken English and playing guitar.
- High user base, but with low paying subscriber base.
- B2C revenue is limited.

In the last 3 years many new innovation and successful startup initiated in the field of online education in last 3 years. According to Technavio's market research analyst prediction, online education market in India is growing at a CAGR of approximately 19% by 2020.

1.3 million Users are from India out of 18 million registered learners according to recent analysis of Coursera, the world's largest online education provider. India has seen considerable rise in new registrations of 70 percent over the past 12 months because of increasing interest in flexible, career-relevant online courses. As per the survey India is the third largest market for online learning after US and China.



Source : <https://assets.kpmg.com/content/dam/kpmg/in/pdf/2017/05/Online-Education-in-India-2021.pdf>

## OBJECTIVES

- To create awareness about digital education system in India
- To study the idea of SWAYAM. A movement by government of India.

## II. SWAYAM -GOVERNMENT OF INDIA INITIATIVE

Resource Development Ministry which facilitate in imparting education to everyone. The acronym of SWAYAM stands for Study Webs of Active-Learning for Young Aspiring Minds Making

It deals with those oscillating courses which are taught at school, college and university level. The program will also likely to rope in foreign teachers for some courses. The Swayam programs are conducted with the help of digital classrooms in aid with internet and satellite connectivity to the remotest corners in the country. In order to solve problem of physical educational infrastructure a portal has been formulated which provides a solution to the problem of access difficulty faced by the teachers as well as the students to reach study material and textbook. Swayam will provide online study material to students free of cost and the courses will be taught via digital classrooms, which spells out as study webs of active-learning for young aspiring minds.

The various certificate courses offered are from school to post-graduate level which are initially offered by IITs Bombay, Madras, Kanpur, Guwahati, Delhi, IGNOU, University of Delhi, Jawahar Lal Nehru University, IIM Bangalore, IIM Calcutta, Indian Institute of Science, NCERT etc.

The courses offered are from The broad categories of courses offered are engineering, management, science, arts and recreation, mathematics, languages, general studies, humanities, library sciences, energy, sustainable development, social science etc. The government expects at least 1 crore students to enroll in the initial 2-3 years.

## SWAYAM

A Government initiative have been seen where this enriched program is initiated and designed named as SWAYAM, is a programme to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The motive of this determination is to take the preeminent teaching learning resources to all, including the most underprivileged. This program will try to eradicate or to seal the gap of digital split for students who have remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy.

the courses under this program is done through an ethnicultivated IT platform whichsimplifies hosting of knowledge conveyed in classrooms from 9th class till post-graduation to be accessed by anyone, anywhere at any time. All the courses are prepared by the best teachers available from the country, and are free of cost to the residents of India. Across the Country More than 1,000 specially chosen faculty and teachers have participated in preparing these courses.

The course section of SWAYAM is divided into four quadrants – (1) video lecture, (2) specially prepared reading material that can be downloaded/printed (3) self-assessment tests through tests and quizzes and (4) an online discussion forum for clearing the doubts.

To enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology Steps have been taken .On successful completion of the course delivered through SWAYAM, learners, who wants certifications need to be registered, shall be offered a certificate, with a little fee.

UGC has already issued the UGC Credit Framework for online learning courses which advises the Universities to identify those courses where credits can be transferred on to their academic record of the students for courses done on SWAYAM.It is powered by Microsoft and will host 2000 courses with 8000 hours of learning.

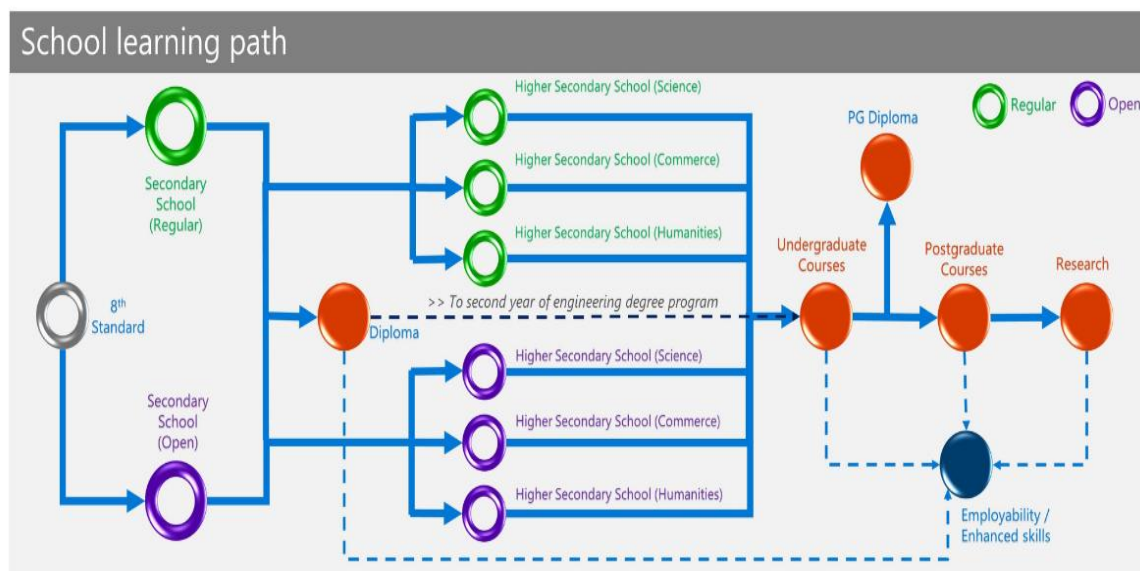
### III. RESOURCES

Each course on the SWAYAM portal are produced and delivered by National Council Of Educational Research And Training (NCERT) & National Institute of Open Schooling (NIOS) for school education, Indira Gandhi National Open University for out of the school students, Consortium for Educational Communication(CEC) for under-graduate education, National Programme on Technology Enhanced Learning NPTEL for engineering , University Grants Commission (UGC) for post-graduation education and Indian Institute of Management Bangalore for management studies.

### IV. TYPES OF COURSES AND LEARNING PATH

#### A) School Courses

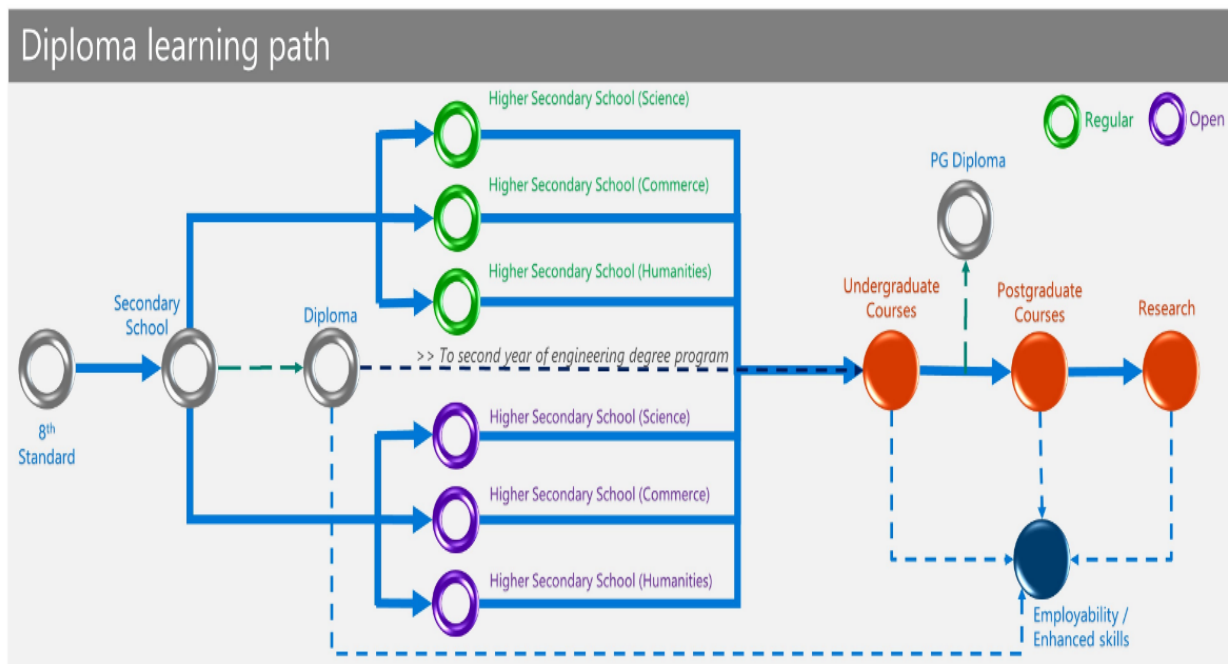
Students can enroll from SWAYAM courses from the age of 14 years. It is open for learners who have a undertaken regular education and for those who had to discontinue their formal education due to some reasons. Swayam offers them regular courses which they can opt for after enrolling to a regular school and it also offers open secondary school education which students can opt. There is also an option of on demand examination if the students are unable to clear their scheduled attempt. The school learning path is shown below



#### B) Diploma Courses

Once the students have got their SecondarySchool Certificate, they can opt for various Diploma or Vocational Courses offered by SWAYAM to enhance their skills on their trade of choice. Each trade wise academic qualifications are given in detail under the Craftsmen Training Scheme (CTS). Enrolling in the trades of their choice will help the students to enhance their skills.

The diploma learning path is shown below

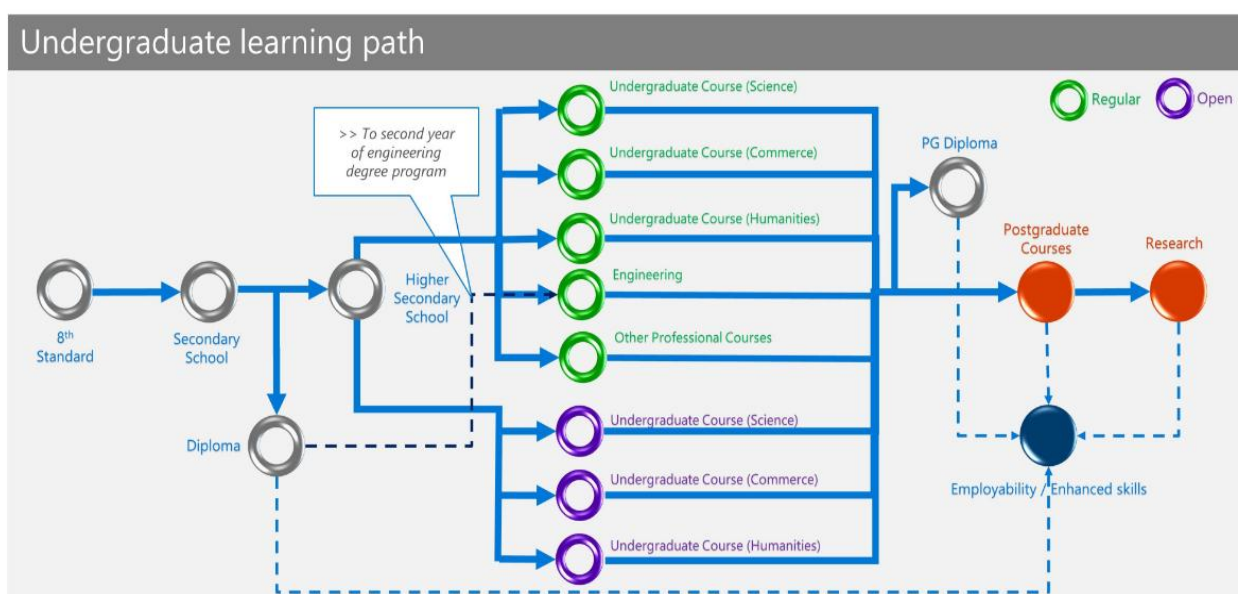


### C) Undergraduate Courses

SWAYAM provides the students with Under-Graduate programs in Humanities, Commerce, Science or Management either through regular institutions or via Open University. The students will get the flexibility of Choice Based Credit Transfer System (CBCS) for the course enrolled through swayam after the student has taken admission in a university.

Once a student completes his or her course and earns all credits through SWAYAM, it will provide the student with a Graduation Degree from the university that the student belongs to.

The student can go for an Undergraduate course after they have successfully completed their respective Diploma course. The undergraduate learning path is shown below



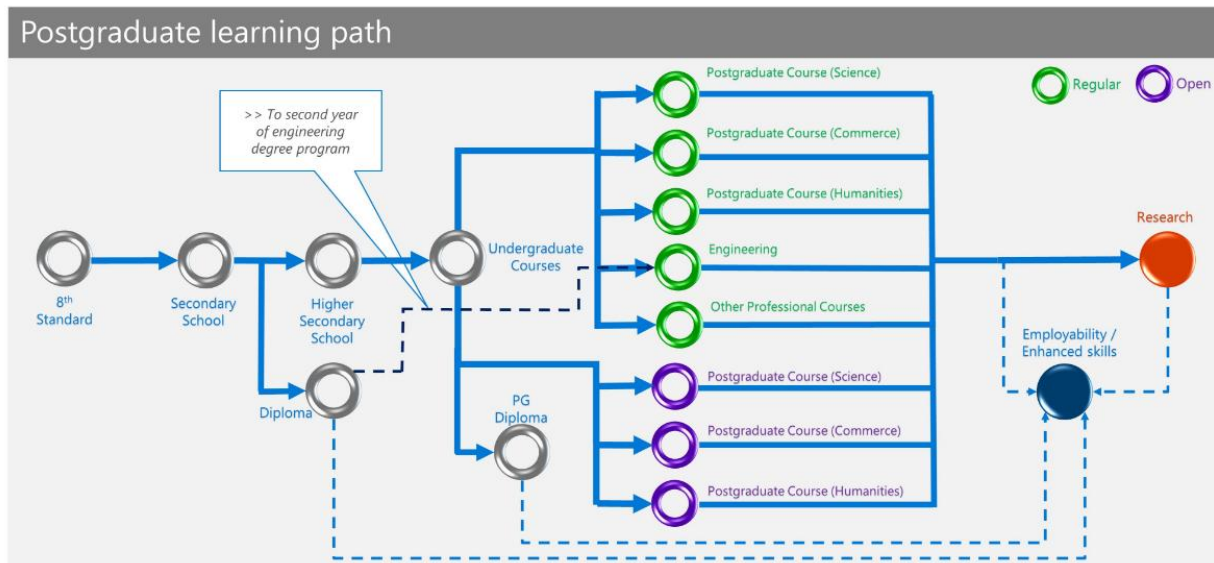


#### D) Postgraduate Courses

Once a student has completed his graduation degree he can take admission into a government approved university or an open university. Once admitted the students can enroll themselves into the SWAYAM courses. They will have a flexibility of Choice Based Credit Transfer System (CBCS) for the course they have enrolled. On successful completion the course the students will earn credits.

If the student is interested for further studies he can go for research or can take admission into another post- graduation program after getting his or her post-graduation degree.

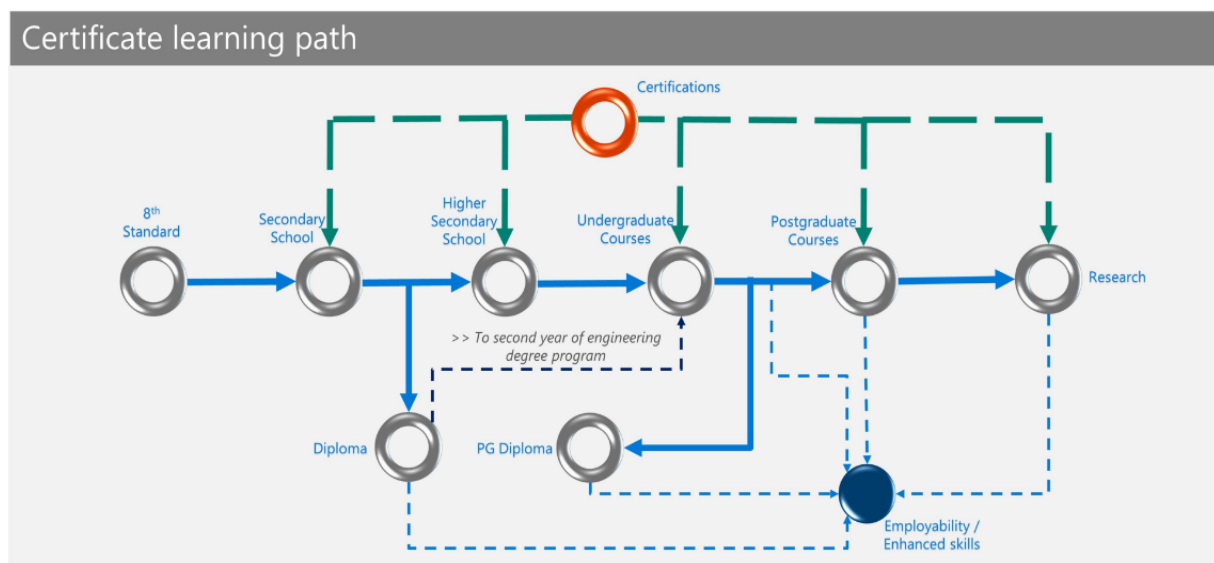
The postgraduate learning path is shown below



#### E) Skill Based Certifications Courses

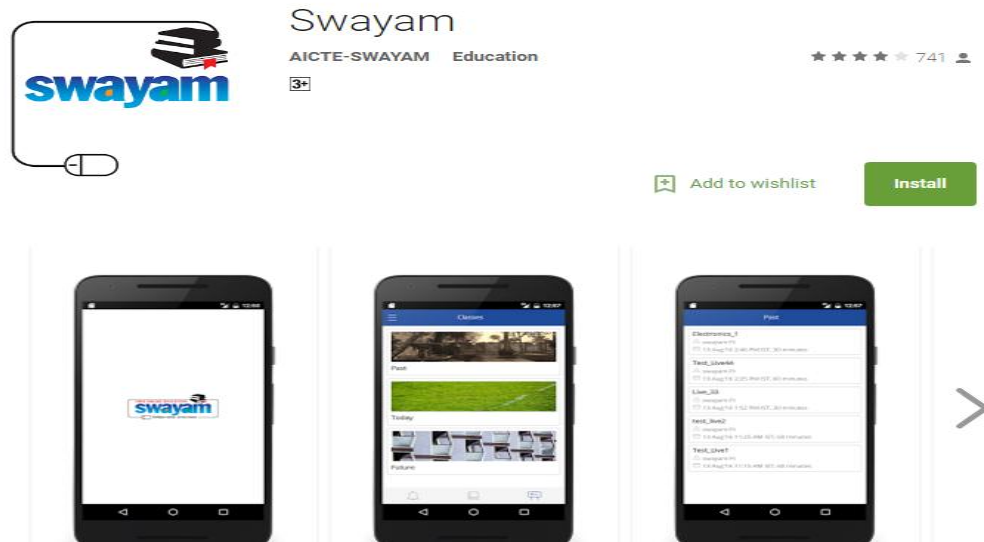
If a student is interested in enhancing their skills on their trade they can opt and enroll for various certification courses which is offered by SWAYAM. They can opt for these courses anytime.

The certificate learning path is shown below



## V. USERS REGISTRATION AND BENEFITS

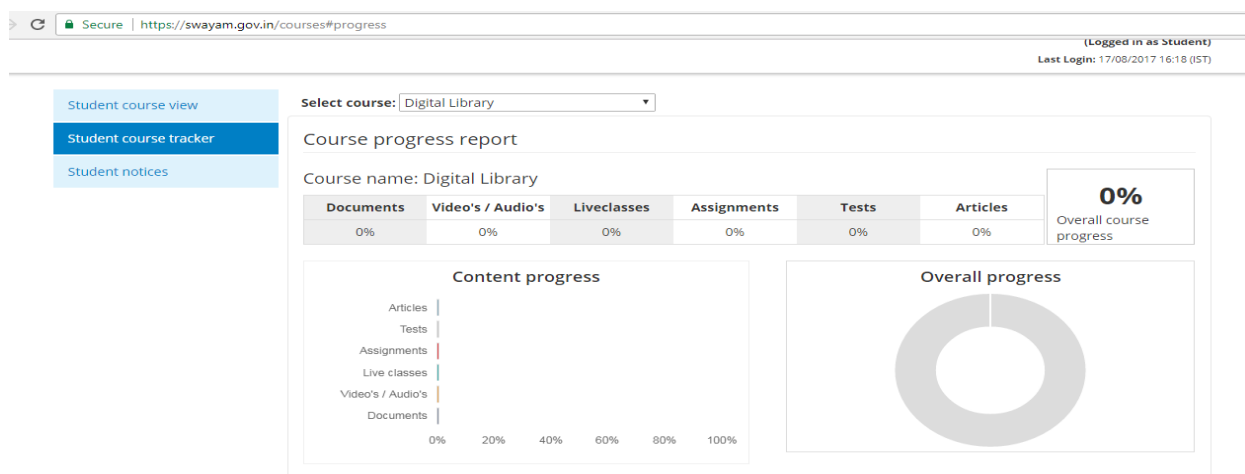
All the interested students can visit the website of SWAYAM and sign up for new account. My submitting their details and verifying the code which is sent to the students on their mail id the students can create an account. They can also download the app from google play store and enroll.



Source: <https://play.google.com/store/apps/details?id=in.gov.swayam.app>

Once the account is created students will be able to see all the courses available on Swayam. They can navigate through each of them which gives details of course, the details of the faculty who will conduct the course, the number of hours required to complete the course, the number of assignment, the time line of each activity and the availability of certificates at the end of the course. Depending on their likings the students can enroll for the course.

Once students enrolled with the course they will be able to see all their progress and resources available to them. The assignment they have and time when they have to submit it. Students can also discuss their various queries with other students and the tutor through the discussion tab available on the Dashboard. Below is the dashboard available to the student after logging in



Source : <https://swayam.gov.in/courses#progress>

## **VI. CONCLUSION**

In terms of innovation in education industry, online education plays important role in developing content of education in terms of money. Today everyone are on internet and learning everyday something from it. It has become a valuable and cost effective media for students to develop skills just by sitting home at free of cost. Multiple unfold opportunities are seen by Innovators and investors who are keen on looking for better opportunities in online education as it is a growing industry and have scope of improvement in India.

The swayamis full of resourcefulness; an initiative taken by the Government of India is one of the key influencer in creating a digital India

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