International Journal of Technical Research & Science

# SWAYAM IS EMERGING PLATFORM ONE-LEARNING IN INDIA

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**Abstract-**The main attempts of this article to analyse the emerging platform on e-learning in india.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.In the first phase, IIT Bombay, IIT Madras, IIT Kanpur, IIT Guwahati, University of Delhi, Jawaharlal Lal Nehru University, IGNOU, IIM Bangalore, IIM Calcutta, Banaras Hindu University, alone as well as with the help of faculty from foreign universities will be offering courses in areas of engineering education, social science, energy, management, basic sciences, India has become one of the few countries in the World which has its own online interactive learning platform that provides, not only video lectures, reading material but also assignments/quizzes that could end up in securing credits after completing the assessment system.

**Keywords:** Instrument, Self Actualization, Expand, Knowledge

*If you are not satisfied with the kind of teaching that you are undergoing in your college classroom, you will now be able to pursue an online course on any subject*

## 1. INTRODUCTION

The overwhelming response garnered by MOOCs across the globe has induced the Government of India to jump on the bandwagon and launch its ambitious MOOCs platform SWAYAM (Study Webs of Active-learning for Young Aspiring Minds) to provide quality and affordable education to its citizens, which can be accessible on an anywhere, anytime basis. The overwhelming response garnered by MOOCs across the globe has induced the Government of India to jump on the bandwagon and launch its ambitious MOOCs platform SWAYAM (Study Webs of Active-learning for Young Aspiring Minds) to provide quality and affordable education to its citizens, which can be accessible on an anywhere, anytime basis. This has opened up new avenues for the massive knowledge-seeking community, liberalizing it from the shackles of finance and time constraints which nip the desire to learn in the bud. It exhibits the potential to democratize education in our country which has been wrestling with the paucity of infrastructure and qualified faculty to cater to its budding student base. Taking this into perspective, the launch of SWAYAM on India's Independence Day (15th August 2016) proves to be the most opportune platform.

The credit framework for online learning courses through SWAYAM shall facilitate the transfer of credits for these courses into the academic record of students in the parent institution. This provides the students with prospects of pursuing specialized courses of their choice and interest that are not available in their institutes in the offline mode, or may not match the expected industry standards. This MOOCs platform of SWAYAM shall forge a prolific linkage between online learning and classroom learning, creating a synergy that can create wonders for the education system. The assimilation of MOOCs in the educational setup is a welcome step as it fosters collaboration of intellect, technology, and experience. It has rejuvenated the education spectrum with innovative teaching-learning methods through online lectures, interactivity sessions, discussion forums, profound explanations, and concept-driven assessments.

According to MOOCs Guidelines, "Course" has been characterized in two kinds: Credit Courses and Non-Credit Courses. Credit Course is a course which is instructed for no less than one semester as a piece of the subject/program while Non-Credit Course incorporates Courses like mindfulness program, proceeding with training system or preparing of the particular range of abilities as an autonomous course which is not part of any set educational modules and is of shorter term. As on date, there are a sum of 408 courses transferred on www.swayam.gov.in out of which the significant Courses are – 258 Courses ( Engineering); 42 Courses(Science); 38 Courses (Humanity) and 20 Courses (Management) and remaining 50 (Education, Library, General, Commerce, and so on.). The delicate dispatch of "SWAYAM MOOCs" Platform was hung on fifteenth August 2016 and after the finish of the first period of the Project, the Platform has been proclaimed "go live" w.e.f. sixteenth November 2016

**Aims of SWAYAM** The main aims of SWAYAM make the teaching learning process on the basis of digital revaluation.

**Historical background** Whereas, with a view to providing access to the best quality learning resources across the country, the project 'Study Webs of Active Learning for Young Aspiring Minds' (SWAYAM) has

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been started. Whereas, SWAYAM provides an integrated platform and portal for online courses, using information and communication technology (ICT) covering High School till all higher education subjects and skill sector courses to ensure that every student benefits from learning material through ICT: Whereas, SWAYAM is a:

➢ One-stop web and mobile based interactive e-content for all courses from High School to University level.
➢ High quality learning experience using multimedia on anytime, anywhere basis.
➢ State of the art system that allows easy access, monitoring and certification.

**Table-1.1 Highlights the Organization and the Sectors for the Improvement of Swayam as the Platform in Teaching Learning Process at Higher Education**

| S. No. | National MOOCs Coordinator | Sectors |
|---|---|---|
| 1 | University Grants Commission( UGC) | Non-Technology Post Graduate Degree Programmes. |
| 2 | NPTEL | Technical / Engineering UG & PG degree programmes |
| 3 | Consortium for Educational Communication | Non Technology Under Graduate Degree programmes. |
| 4 | IGNOU | Diplomas and Certificates programmes |
| 5 | NCERT | School Educational Programmes from Class 9th to 12th |
| 6 | NIOS | Out of school children Educational Programmes from Class 9th to 12th |
| 7 | IIM Bangalore | Management programmes. |
| 8 | NITTR, Chennai | Teacher Training programme |

➢ Peer group interaction and discussion forum to clarify doubts.
➢ Hybrid model of delivery that adds to the quality of classroom teaching.

Whereas, SWAYAM involves development of Massive Open Online Courses (MOOCs) compliant e-content (video and text) and building a robust IT platform; Whereas, in order to disseminate educational content to masses, the MHRD has launched 32 Direct-To-Home (DTH) educational TV channels called "SWAYAM Prabha" broadcasting education content 24x7 basis, and the content developed under SWAYAM would be used for transmission in SWAYAM Prabha (SP) DTH channels. Whereas, there is a need for synergizing the quality of contents on these platform, and for standardizing the content delivery; Now, with a view for systematic development of the online courses for the SWAYAM, the following guidelines which propose to lay down technical and production standards for the e-content have been issued.

**National Coordinators (NCs):** National Coordinators are the Institutions that have been so designated by the Ministry and assigned a specific sector for preparation of online courses for SWAYAM.

**SWAYAM Academic Board:** shall be a apex academic body that would lay down standards of quality for the courses to be offered through SWAYAM. m) 'SWAYAM Board' shall be the Authority that would be overall in-charge of the formulation of the Platform, prescribe quality of content and facilitate conduct of examinations.

(1) There shall be a SWAYAM Academic Board responsible for guiding the National Coordinators and for laying down quality standards. The SAB shall be constituted as follows:

➢ Chairman UGC – Co Chairperson
➢ Chairman AICTE – Co Chairperson
➢ Two technical experts nominated by the Ministry
➢ Two reputed academicians nominated by the Ministry
➢ Two representatives from the Industry, one each nominated by MSME and Ministry of Skill Development
➢ Director AICTE – Member Secretary

(2) The SAB shall discharge the following functions:

➢ Monitor the quality of the courses on the SWAYAM and lay down quality standards.
➢ Offering of courses on SWAYAM.
➢ Integration of SWAYAM and SWAYAM Prabha.

**Four Quadrant Approach**: The four Quadrant approach means e-learning system that has the following components:

➢ Quadrant-I is e-Tutorial; which shall contain: Video and Audio Content in an organized form, Animation, Simulations, video demonstrations, Virtual Labs, etc, along with the transcription of the video.
➢ Quadrant-II is e-Content; which shall contain; self instructional material, e-Books, illustrations, case studies, presentations etc, and also contain Web Resources such as further references, Related Links, Open source Content on Internet, Video, Case Studies, books including e-books, research papers & journals, Anecdotal information, Historical development of the subject, Articles, etc.

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> ➢ Quadrant-III is the Discussion forum for raising of doubts and clarifying them on a near real time basis by the Course Coordinator or his team.
> ➢ Quadrant-IV is Assessment, which shall contain; Problems and Solutions, which could be in the form of Multiple Choice Questions, Fill in the blanks, Matching Questions, Short Answer Questions, Long Answer Questions, Quizzes, Assignments and solutions, Discussion forum topics and setting up the FAQs, Clarifications on general misconceptions.

### 2.1 Scope of SWAYAM

Curriculum based course contents covering diverse disciplines such as arts, science, commerce, performing arts, social sciences and humanities, engineering, technology, law, medicine, agriculture etc. in higher education domain. School education (9-12 levels) modules; for teacher training as well as teaching and learning aids to learners to help them understand the subjects better and also to help them in better preparedness for competitive examinations for admissions to professional degree programmes. Skill based courses, which cover both post-higher secondary school skills that are presently the domain of polytechnics as well as industrial skills certified by the sector skill councils of various Ministries.

### 2.1 Online courses for SWAYAM

The NC shall identify courses where online education is possible and preferred. The identified courses shall be advertised in newspaper and other media calling for Expression of Interest (EoI).

> ➢ In all identified courses, Expression of Interest (EoI) can be invited for credit courses from CC through recognised Universities/ Institute of National Importance and other educational Institutions authorized to award degrees/credits and from subject specialists both in Public and Private Sectors for non-credit courses.
> ➢ The CC while submitting the expression of interest (EoI) shall also submit an undertaking from a Host University/Institution conveying its willingness to offer the course for credit, conduct examination, assessment, evaluation, issue certificates and transfer the credits to the students of the Parent University/Institution as per the UGC/ AICTE/any other regulatory body Regulations issued for the purpose.
> ➢ Pre-production activities  Online Course: Each CC shall constitute an academic team of educationists with proven abilities for preparation of the Teaching Learning Material (along with the pedagogy and the activity-based interventions for improving the delivery of the content)
> ➢ Production activities Online Course: In order to have uniformity in Technical quality of contents developed under SWAYAM & have compatibility between contents developed by NMCs, it is recommended to have uniform set of equipment being used by CCs.
> ➢ Post production activities Online Course: There shall be a post-production team consisting of the Video Editor, Sound Editor and Music team, equipped with video editing software working in Non-Linear Editing System (NLE).

## 3. SWAYAM -GOVERNEMNT OF INDIA INIATTIVE

Asset Development Ministry which encourages in giving training to everybody, the acronym of SWAYAM remains for Study Webs of Active-Learning for Young Aspiring Minds Making It manages those wavering courses which are instructed at school, school and college level. The program will likewise liable to rope in remote instructors for a few courses. The Swayam programs are led with the assistance of computerized classrooms in help with web and satellite availability to the remotest corners in the nation. With the end goal to take care of the issue of physical instructive foundation an entry has been defined which gives an answer for the issue of access trouble looked by the educators and in addition the understudies to achieve contemplate material and reading the material. Swayam will give online investigation material to understudies free of expense and the courses will be instructed through advanced classrooms, which illuminates as study networks of dynamic learning for youthful trying personalities. The different testament courses offered are from school to post-graduate dimension which is at first offered by IITs Bombay, Madras, Kanpur, Guwahati, Delhi, IGNOU, University of Delhi, and Jawaharlal Lal Nehru University, IIM Bangalore, IIM Calcutta, Indian Institute of Science, NCERT and so forth.

## CONCLUSION

This MOOCs platform of SWAYAM shall forge a prolific linkage between online learning and classroom learning, creating a synergy that can create wonders for the education system.    Students, therefore, have the alternatives to hone their skills and knowledge for augmenting their career growth, promoting self-actuated learning. This bestows upon students greater liberty and responsibility with the self-driven approach which fortifies the core philosophy of SWAYAM which in Hindi means "Self". This platform aims to cater to up to 3 crore students across India offering interactive content of more than 2.5 lakh hours in multiple disciplines such as management, engineering, social sciences, banking, and other industry-driven fields. The courses being

www.ijtrs.com
www.ijtrs.org
**Paper Id: IJTRS-V3-I10-011**                          **Volume 3 Issue XI, December 2018**

International Journal of Technical Research & Science

fuelled by sophisticated technology is evident from Government bringing on board Microsoft as its technology partner. With a network being developed to support 10 lakh concurrent users, SWAYAM promises a seamless and user-friendly experience for students who shall have one of the largest repositories of eLearning resources at their disposal.

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