

UGC MOOCs: A Vertical of SWAYAM

(KEY WORDS: MOOCS, SWAYAM, E-CONTENT, E-PG
PATHSHALA, BENEFITS, USC, USM)

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MOOCs

(The basic philosophy of MOOCs is 3A's; Anytime, anyone, Anywhere)

- ▶ **M- Massive** (NO LIMIT ON THE NUMBER OF LEARNERS WHO CAN ENROL IN THE COURSE)
- ▶ **O- Open** (NO MENDATORY REQUIREMENTS FOR THE LEANER TO ENROL IN THIS COURSE)
- ▶ **O- Online** (FULLY ONLINE COURSES DELIVERED THROUGH INTERNET)
- ▶ **Cs-Courses**

(THE COURSES ARE HIGHLY MULTIMEDIA ENRICHED INTERECTIVE ONLINE COURSES WHICH OFFER A UNIQUE OPPORTUNILTY TO THE LEARNERS TO LEARN THEM AS PER THEIR CONVENIENCES)

SWAYAM

(AN INITIATIVE OF MHRD, GOVT. OF INDIA)

- ▶ **S- STUDY**
- ▶ **W- WEBS**
- ▶ **A- ACTIVE LEARNING**
- ▶ **Y- YOUNG**
- ▶ **A- ASPIRING**
- ▶ **M- MINDS**

(STUDY WEBS OF ACTIVE LEARNING FOR
YOUNG ASPIRING MINDS)

What is SWAYAM?



- ▶ The SWAYAM is an indigenous platform of the Govt. of India which hosts MOOCs courses to enable students to virtually attend the courses taught by the best faculty; access high quality reading resources; participate in discussion forums ; take tests and earn academic grades.
- ▶ It is aimed at benefitting life long learners, students, teachers, researchers to **use multimedia on anytime, anywhere basis for acquiring knowledge and skills.**

AIMS AND OBJECTIVES OF SWAYAM

- ▶ TO PROVIDE AN INTEGRATED PLATFORM FOR ONLINE COURSES, USING INFORMATION AND COMMUNICATION TECHNOLOGY (ICT).
- ▶ TO COVER COURSES FROM HIGH SCHOOL TO POST-GRADUATE SUBJECTS INCLUDING SKILL SECTOR COURSES TO ENSURE THAT EVERY STUDENT BENEFITS FROM LEARNING MATERIAL THROUGH ICT.

SWAYAM COURSES

List of Courses Offered on SWAYAM

- Artificial Intelligence
- Information Storage and Retrieval
- Information and Communication Technology for Libraries
Scientometrics
- Management of Libraries and Information Centres &
Knowledge Centres
- Information Sources System and Services
- Knowledge Society
- Digital Library
- Theory of Literature
- Russian Literature of the XIX Century: Prose
- Indian Philosophy: An Introduction
- Poetics and Aesthetics
- Vedic Language and Literature
- Communication Technologies in Education
- Landscape Study
- Portrait Study
- Educational Administration, Management and Leadership
in School Educat
- Introduction to Public Administration
- Physical Chemistry-I (Quantum Chemistry)
- Environmental Chemistry
- Organic Chemistry-II (Reaction mechanisms-1)
- Inorganic Chemistry-II (Metal-Ligand Bonding , Electronic
Spectra and Magnetic Properties of Transition Metal
Complexes)
- Organic Chemistry-III (Reaction Mechanisms-2)
- Organic Spectroscopy
- Applications of Molecular Symmetry and Group theory
- Bioorganic and Biophysical Chemistry
- Management Concept and Organizational Behavior
- Managerial Economics
- Business Environment
- Accounting for Managerial Decisions
- Financial Management
- International Business
- Strategic Management
- Security Analysis and Portfolio Management
- Basic Macroeconomics
- Economic Planning in India: Overview and Challenges
- Public Finance and Policy in India
- Real analysis and measure theory
- Differential geometry
- Operations research
- Functional analysis
- Econometrics
- Sectoral Growth in India



- International Economics
- Environmental Economics
- Cognitive Science
- Quantitative Methods
- Cross-Cultural Psychology
- Social Psychology
- Counselling Psychology
- Neuro psychology
- Clinical Psychology
- Fingerprints and Other Impressions
- Forensic Chemistry and Explosives

- Forensic Ballistics
- Forensic Anthropology
- Forensic Biology and Serology
- Forensic Medicine
- Macro economics Analysis and Policy
- International Financial Management
- Fundamentals of Microeconomic Theory
- Applied Psychometrics
- Drugs of Abuse
- Forensic Toxicology

NATIONAL MOOCs CO-ORDINATORS

1. UGC - For Non Technology PG degree Programme
2. PTEL - Technical/ Engineering UG & PG degree Programme
1. CEC - Non-technology UG Degree Programme
2. IGNOU- Diploma & Certificates
3. NCERT - School Educational Programmes from class 9th to 12th
1. NIOS - Out of school children educational Programmes from class 9th to 12th
7. IIMB - Management Programmes
8. NITTR - Teacher Training Programme

What is e- Content



- ▶ e- content comprises of four quadrant approach in which
- ▶ 1st quadrant- is static content which carries Textual Document, PDF/ e-Books, which is termed as e-text.
- ▶ 2nd quadrant- is Multi-media component which is termed as Video/ self-learning.
- ▶ 3rd quadrant- contains MCQ, Problems, Quizzes, Assignments and termed as self assessments.
- ▶ 4th quadrant - stands for references and further readings.

e-PG Pathshala and Benefits

- ▶ It is a gateway/ platform to provide online course study material to all Non Technology PG Subjects.
- ▶ It provides high quality e-content for PG programmes offered in Indian Universities for the benefit of the teachers and students.
- ▶ This will address disparities of various kind like rich/ poor, urban/ rural, cast and religion based disparities, geographical disparities, regional disparities etc.

What is difference between e-pg pathshala and swayam ?

- ▶ e-PG Pathshala provides e-content for Post –graduate courses in various subjects in four quadrant and it can be accessed as Open Educational Resource (OER) where no teacher support / hand-holding for students is available.
- ▶ Swayam is a web platform on which MOOCs shall be hosted.
- ▶ These MOOCs shall have teacher-student groups where MOOC coordinator/tutor/teacher will be interacting with the learner.
- ▶ A learner can earn certificate/credit on successful completion of course on SWAYAM.

e-Content vs MOOCs

E-PG Pathshala (OER)

E-PG Pathshala provides e-content in four quadrants. It can be accessed as **Open Educational Resource (OER)** where no teacher support/hand-holding for students is available.

MOOCs

MOOCs has teacher-student groups where MOOC coordinator/teacher interacts with the learner. A learner can earn certificate/credit on successful completion of MOOCs course on SWAYAM.

Why Implementation of MOOCs is Important

UGC Regulation 2016

The UGC has issued UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016 on 19th July, 2016 stipulating that online learning courses available on the SWAYAM platform can be counted towards credit transfer for upto 20% of the credits of the programme.

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विश्वविद्यालय अनुदान आयोग

विश्वविद्यालय अनुदान आयोग ('स्वयं' के माध्यम से ऑनलाइन ज्ञान-अर्जन पाठ्यक्रमों हेतु क्रेडिट ढाँचा) विनियम,
2016

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Salient features of the regulations

- The Host Institutions shall ensure that the course(s) are offered as scheduled.
- The Host institute would be responsible for announcing the courses and interacting with parent institutes for enrolment of students from their university for a given course.
- The Parent Institution shall, consider through their Competent Authority the online learning courses being offered through the SWAYAM platform; and keeping in view their academic requirements, decide upon the courses which it shall permit for credit transfer.
- The Parent Institution shall decide through their Competent Authority, the amendments required in their Ordinances, Rules, Regulations etc to incorporate provisions of UGC Regulations.
- The parent Institution shall give the equivalent credit weightage to the students for the credits earned through online learning courses through SWAYAM platform in the credit plan of the program.
- No university shall refuse any student for credit mobility for the courses earned through MOOCs.
- The Parent University from where the students will enrol for the MOOCs course will handhold the students for taking up the course.
- The Host institution and the Course Co-ordinator shall evaluate the students based on predefined norms.
- The evaluation could be online or through pen & paper examination.
- Course Co-ordinator through the Host institution shall award marks/grades.
- The Parent Institution shall incorporate the marks/grade obtained by the student, in the final mark sheet and allow credit transfer upto a maximum of 20% of the credits of the programme.
- The Parent Institution will evaluate the students for the practical/Lab component and incorporate these marks/grade in the overall marks/grade.
- A certificate regarding successful completion of the MOOCs course shall be issued through the Host Institution and sent to the Parent Institution.

A Step by step guide for adoption of MOOCs for Credit transfer

▶ Step-1: Make Amendments

in Ordinances, Rules, Regulations to incorporate provisions for credit transfer for MOOCs courses as per UGC regulations.

▶ Step-2: Select the courses

The University shall select courses , in high demand for which faculty is not available, elective courses or for supplementing teaching –learning process, to be permitted for credit transfer through SWAYAM.

The University shall ensure that physical facilities like laboratories, computer facilities, library etc. required for the courses are made available free to the students in adequate measures.

A Step by step guide for adoption of MOOCs for Credit transfer contn--

▶ **Step-3: Designate Course coordinator**

The course coordinator/ facilitators to guide the students throughout the course and to facilitate/ conduct Lab/ Practical sessions/ examinations.

Step-4: Disseminate information

The University should widely disseminate information about the courses selected and motivate the students through faculty members, notice boards, student forums, workshops and University WEB SITE etc.

▶ Step-5: Course Registration

- i. University to facilitate registration of Students
- ii. Every student enrolled for the course in the University must register for the MOOCs course.

▶ Step-6: Evaluation

The Host institution shall evaluate the registered students 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 marks sheet of the student which counts for award of degree/ diploma.

However, the Lab/ Practical component should be evaluated by the University and these marks / grades should be incorporated in overall mark sheet of the student.

Roles and responsibilities of a host institution?

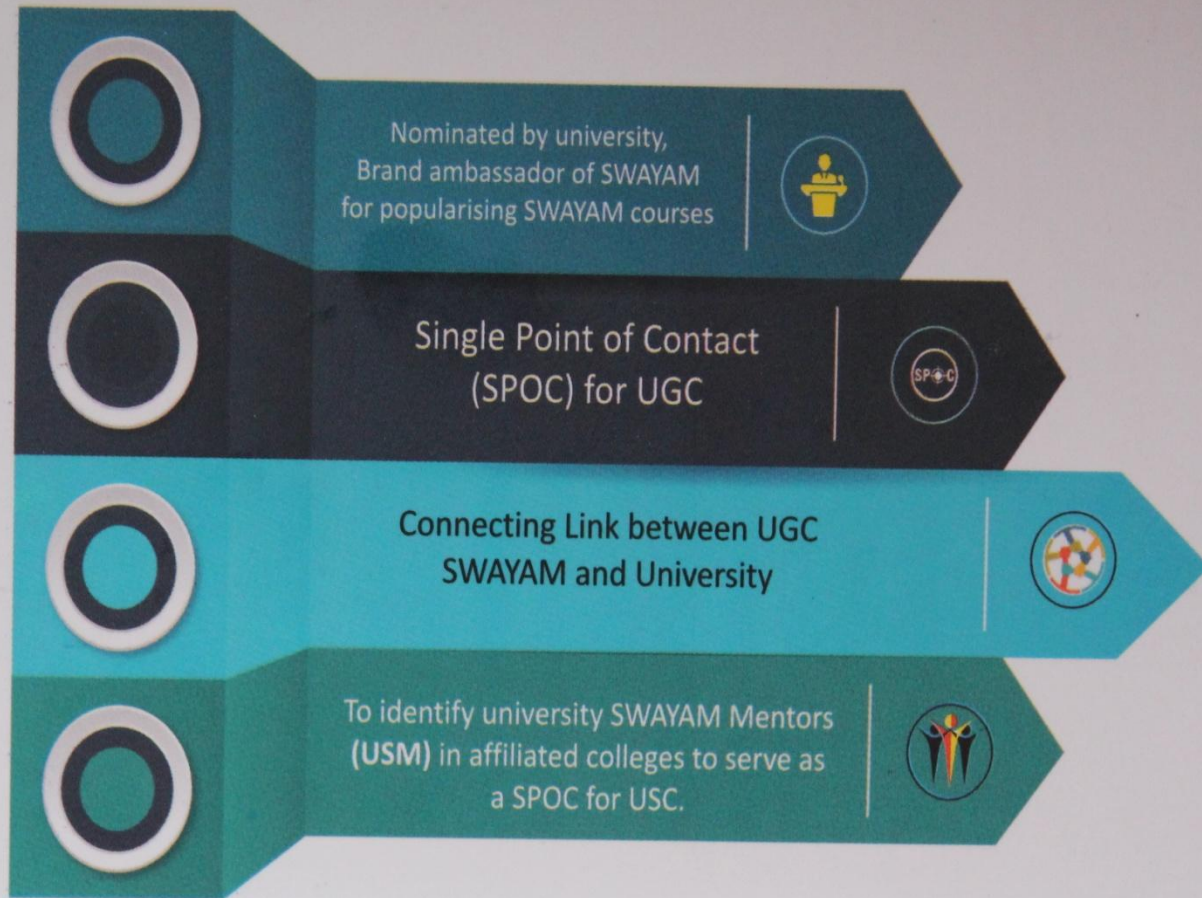
- ▶ The host Institution facilitates the conduct of examination, evaluation, award and transfer of credits for MOOCs course to the parent Institution.
- ▶ On successful completion of each course, the Host Institution offering the MOOCs course would issue the certificate, along with the number of credits and grades, through which the student can get credit transferred into the transcript, issued by his/her parent institute.

UGC SWAYAM Coordinator (USC)

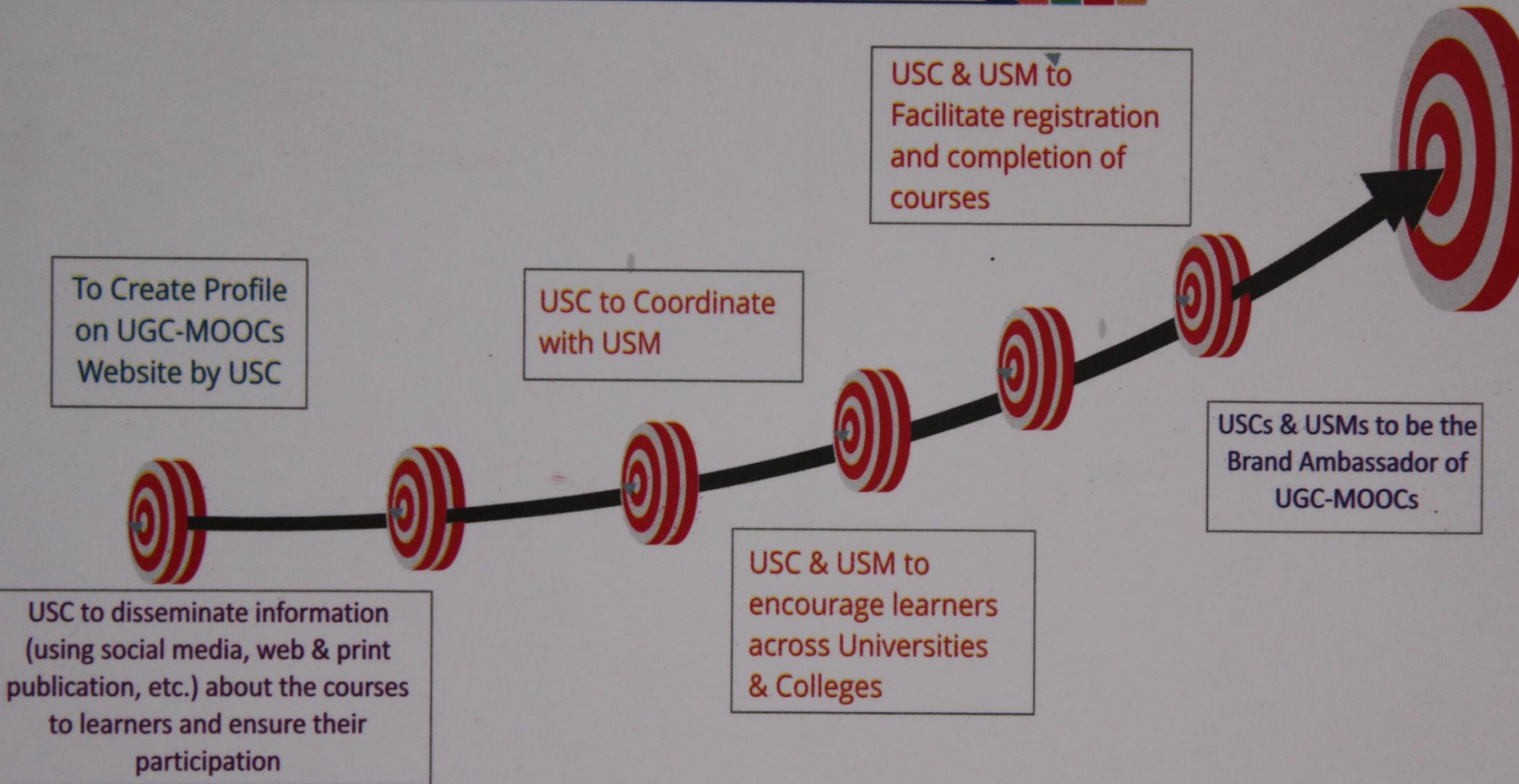


SWAYAM COORDINATOR

(To act as Single Point of Contact (SPOC) for UGC)



Roles and Responsibilities of USC & USM



FAQs

- ▶ **When will the courses be notified on SWAYAM ?**
SWAYAM notify online courses on 1st June and 1st November every year.
- ▶ **What is the duration of SWAYAM courses-**
15 to 20 weeks.
- ▶ **Who can develop MOOCs for SWAYAM ?**
An academicians/ faculty having 10 years of PG teaching experience in concerned field, can be course coordinator.

FAQs

SWAYAM Coordinator query	UGC reply
<p>1. Whether the MOOCs courses are additional courses to our syllabus and the credits earned by the students will be additional to our regular credits.</p>	<p>No MOOCs courses are not additional courses to university syllabus. Based on the requirement by students/faculty University may choose the available course from SWAYAM Platform. The credits earned by the students will be as regular credit</p>
<p>2. Whether the MOOCs courses should be offered in each semester of PG and UG classes. However , as per Notification / regulation 2016 , a maximum of 20% courses should be from MOOCs.</p>	<p>No. As per the UGC regulation Institution can only allow up to 20% of the total courses being offered in a particular program in a Semester through the online learning courses provided through SWAYAM platform. The choice of courses is up to the university and the students.</p>
<p>3 How to conduct the examinations. Is it coming under the jurisdiction of controller of examination along with the regular end semester examinations etc.</p>	<p>The examinations will be conducted by the Course Coordinator with consultation of National Coordinator</p>

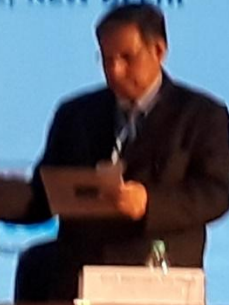
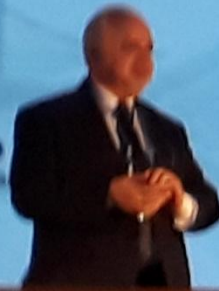
ORIENTATION WORKSHOP

FOR

SWAYAM COORDINATORS OF UNIVERSITIES

2nd FEBRUARY, 2018

AICTE, NEW DELHI



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Thanks for patient hearing