

website: ugcmoocs.inflibnet.ac.in

UGC ORIENTATION WORKSHOP

Adoption, Promotion and Production of MOOCs Courses on SWAYAM Platform



















Massive Open Online Courses (MOOCs)



The acronym "MOOC" stands for Massive Open Online Courses. The word "massive" here means that there is no limit on the number of learners who can enrol in the course. The word "open" means that there are no mandatory requirements for the learner to enrol in this course. These courses are fully online and delivered through internet.

These courses are highly multimedia enriched interactive online courses which offer a unique opportunity to the learners to learn these courses as per their convenience. The basic philosophy of MOOCs is 3A's i.e., Anytime, Anyone, Anywhere.

All MOOCs of the various types developed under the aegis of MHRD by the various National Coordinators (UGC, CEC, IGNOU, NPTEL, etc.) shall be hosted on the web platform called "SWAYAM".

Study Webs of Active Learning for Young Aspiring Minds (SWAYAM)



SWAYAM provides an integrated platform for online courses, using information and communication technology (ICT) and covering courses from high School to post-graduate subjects including skill sector courses to ensure that every student benefits from learning material through ICT. The SWAYAM offers:

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

MOOCs @ e-PG Pathshala



UGC is the "National Coordinator" for development of MOOCs for non-technology post-graduation degree programmes by repurposing the e-content developed under e-PG Pathshala project and by developing MOOCs afresh, in niche areas.

National MOOCs Co-ordinator







Technical / Engineering UG & PG degree



NonTechnology **UG Degree**



Diploma Certificates



School Educational Programmes from Class 9th to 12th



Educational

Programmes

from Class 9th to 12th



Management programmes



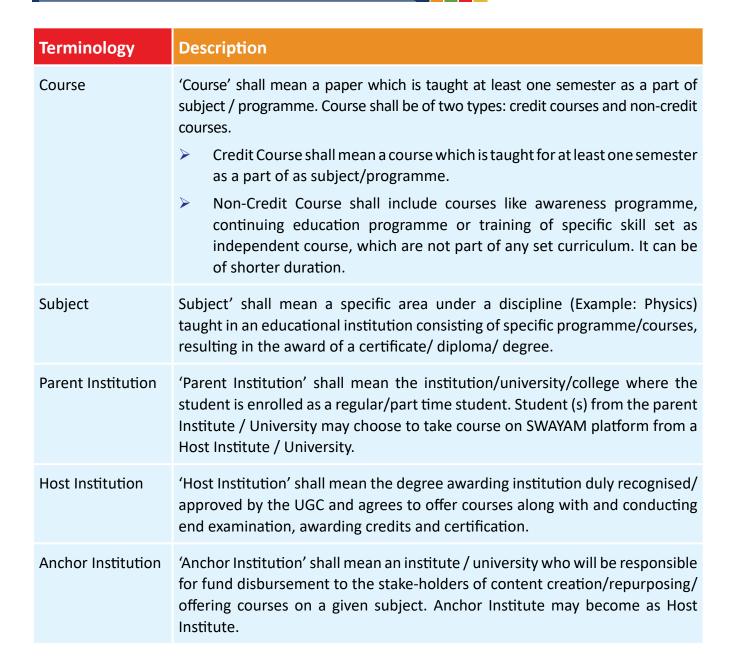
programme



& Courses from Pvt. University



Terminology



Difference between e-content and MOOCs	
E-PG Pathshala (OER)	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.



UGC Regulation 2016



The UGC has issued UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016. These shall apply to all universities established or incorporated by or under a Central Act, a Provincial Act, or a State/Union Territory Act and all institutions recognized by or affiliated to such Universities and all institutions deemed to be universities under Section 3 of the UGC Act, 1956. These shall further apply to the transfer of credits of such students who are enrolled as regular/part-time students in any educational institution in India.

Accordingly, all the Institutions shall, within 4 weeks from the date of notification by SWAYAM, 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.

An 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.

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.



Adoption of MOOCs for Credit Transfer by Various Universities (A Step by Step Guide)

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/ College through their Swayam Coordinators and mentors of Local Chapters widely disseminate information about selected courses and motivate 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, sessionals 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 Institute, the University to give equivalent credit weight (up to 20%) for the credits earned through SWAYAM. No University shall refuse any student for credit mobility for courses earned through MOOCs.



Awareness & Promotion of Massive Open Online Courses (MOOCs) on SWAYAM Platform

SWAYAM is one of the flagship programmes of MHRD which is upgrading the learning environment of the country while providing opportunities for online learning. Good quality courses from school till postgraduate level will be hosted on the SWAYAM platform for the benefit of the general public. Therefore, it becomes pertinent to ensure that such activities reach to each and every learner located at each and every corner in the country. The following initiatives have been taken by the UGC to promote MOOCs on SWAYAM which in turn will be used by the local chapters to promote SWAYAM in their own and in affiliating institutions.

- The UGC has identified universities and colleges to act as Local Chapters (LC) to help UGC in adopting and promoting MOOCs courses in the universities. SWAYAM Coordinators have been nominated by the universities and SWAYAM Mentors have been nominated by the Colleges as the local chapters. The Local Chapters have to work as a link between the UGC and the learners and to act as single point of contact for the UGC/CEC. The SWAYAM Coordinators in the universities will in turn engage SWAYAM Mentors in the colleges affiliated with the university to adopt and promote the concept in colleges as well. The local chapters would be required to form an active community of online learners who would be sharing experiences about digital learning in real time.
- 2. The Local chapters would be contact points and facilitators for all National Coordinators.
- 3. In addition to identifying local chapters, the UGC has also developed TV Commercials, Radio Jingles and Posters in 10 different regional languages for promotion of SWAYAM. These TVCs, Jingles and Posters are available on the UGC website and the local chapters would be expected to disseminate the TVCs and Jingles to the learners through various media like university/college website, social media platforms like WhatsApp, Face Book, Twitter, Seminars, and Workshops etc. All the local chapters would be required to register themselves on a dedicated portal for local chapters (ugcmoocs.inflibnet.ac.in).
 - The SWAYAM Coordinator/Mentor should see the TVCs, Jingles and Posters and understand the concept.
 - As soon as the list of courses is released every semester by the SWAYAM, in May and October, the SWAYAM Coordinator/Mentor should assist the university/college in selecting the appropriate courses for its educational institutions and students.
 - The SWAYAM Coordinator/Mentor should popularize the concept of SWAYAM to the students of the university/college through various mediums which could include holding workshops, Nukkad Natak, forwarding TVCs and Radio Jingles through WhatsApp, placing them on the university website, pasting posters on the SWAYAM at all Strategic Locations / Notice boards of the universities/colleges e.g. hostels, classrooms, library, academic areas and common areas.
 - The SWAYAM Coordinator/Mentor should create a FaceBook page and a Twitter account of the SWAYAM courses of the university. The Twitter handle of all the universities/colleges shall necessarily follow the SWAYAM twitter handles of MHRD, UGC, CEC and NPTEL.
 - The SWAYAM Coordinator/Mentor should regularly send tweets about the courses of their university and shall engage maximum number of followers from the faculty and students of the institution.



- SWAYAM Coordinator/Mentor should apprise the university administration about the amendments in the Acts, Statutes, and Ordinances required to adopt SWAYAM courses.
- UGC will provide TVCs, radio jingles and posters for SWAYAM awareness. These would be provided in 10 different regional languages to cater to area specific requirements. Press releases in the local media may also be issued by Local Chapters.
- SWAYAM Coordinators and Mentors may also identify Student Volunteers for SWAYAM awareness activities.

Handholding of Student learners



- The SWAYAM Coordinator/Mentor should facilitate the students in enrolling for the selected courses. He/she can also promote students in enrolling for other courses as well which will be in the supplementary learning mode.
- The SWAYAM Coordinator/Mentor should work as a troubleshooter for any problem encountered by any learner of the SWAYAM platform.
- Video recording of discussion for obtaining their feedback among learners in Institute
- Upload activities (photo/video) while interaction with teacher or learners to UGC
- The SWAYAM Coordinator/Mentor will provide technical help in guiding the students throughout the course including assistance in writing, quizzes, and submitting assignments and to appear for term end final examination.
- SWAYAM Coordinators and Mentors may themselves enrol in MOOCs courses to get a first-hand experience of the SWAYAM experiment.
- Local Chapters have to identify and suggest, as per their requirements new courses for development of MOOCs to the NC.
- Local Chapters may facilitate the evaluation, end-term exam and credit award of the students in their university. They may facilitate the inter-university transfer of credits.

Statistical Reports



The Local Chapters would be compiling statistical information cum reports pertaining to SWAYAM courses in their respective Universities/Colleges

- Conducting Survey and obtaining feedback from learners
- Conducting Survey for in-demand courses for future development of courses
- Ratio of student registered and appeared in exam, registration and successful completion of course, registration and drop out student, etc.
- Role as a Bridge between UGC & Learners

The Local Chapters would act as a Single Point of Contact between the UGC and the Swayam Coordinators/Mentors.



- Provide feedback (from end-user) details to UGC
- Provide a list of in-demand courses to UGC
- Liasoning work among different institutes for credit transfer
- Liasoning work for registration on behalf of the University/Institutes

Production & Development of MOOCs courses for SWAYAM Platform



The Universities and Institutes may encourage faculty members of their university/institute to develop quality MOOCs courses, which will give them the opportunity of using ICT tools for teaching learning purpose and also provide them global visibility.

For taking part in the development of quality MOOCs, Universities and Institutes may encourage their best faculty to come forward and apply on the UGC MOOCs website (http://ugcmoocs.inflibnet. ac.in/) for developing MOOCs on any subject of their choice out of the curriculum for the post graduate programmes undertaken by their university/ Institute.

The UGC will provide financial assistance as per the MOOCs guidelines. The Maximum financial assistance for development of a 4 credit MOOCs courses is 13.5 lakh.

This will also give a global visibility to the university as well as the concerned faculty. The Universities which are under section 2(f) and 12B of UGC Act, 1956, and eligible to receive central assistance may apply to UGC and other institute may apply to AICTE.

Who can develop UGC PG MOOCs Courses for SWAYAM?



- 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.

Structure of the MOOCs Course with Guidelines to be followed by CCs for development of a MOOCs Course



 One Course introductory video (for the entire course):- 5-7 minute duration (Covers Course objectives, description, structure & brief about course content / curriculum, pre-requisites & learning outcomes of the course, duration of the course, grading scheme, and number of credits offered)



- 2. Week Introductory Videos (for every week):- 1-2 minutes video covers the week-wise description & brief content and activities to be undertaken in the week.
- 3. Week-wise Content: Will include the course content in the form of texts & videos, self-assessment questions, activities, discussion forums & references.

a) E-text: doc (document file) or (PDF)

Consult/Study the syllabi of several universities before finalising the syllabus of the concerned subject

Try to Identify Content writers from Universities other than the CC's own university (pan-India approach)

Textual document should consist of about 3000 words of detailed write-up on the topic of each module.

The textual description should also be enriched with multimedia supplements (images, hand drawings, maps, graphs etc) wherever applicable

Textual document should consist of at least 8-10 pages or minimum 3000 words with detailed write-up on the topic of the module. Topic should be built in systematic and logical manner. A summary at the end will help a learner to quickly review the entire e-text.

Self-check exercises (Problems with answers given to learners that allow them to assess how they are doing on an ongoing basis. Doing them online with self-grading provides immediate feedback) in the body of the text, applications from day to day life, if applicable should be incorporated. Multimedia supplements may include images for which resolution should be about 600 dpi, animations, graphics, video or audio clips, line drawings, hand drawings whichever applicable/possible. For each topic or subtopic, Content Writer should use examples to explain the module, if required.

b) Video / Self-Learning: MP4

No reading from teleprompter. Speak extempore. Body language should not be stiff.

The Video must not be like a Spoken Tutorial (audio narration / voice-over of text mentioned in presentation slides).

A clear description of visuals as well as text is required.

Course Coordinators are advised to use the Indian faces in animation and videos

Training demonstration, illustration of examples, case study, documentary, etc should be added wherever applicable.

The expert/teacher whose video is being recorded should look straight into the camera lens.

The audio has to be clear and of superior quality. Make sure that there is no distracting background noise.

Video must include:- Multimedia, Animation, Documentary, Simulation, Graphics and Virtual Lab appropriately.



University logo/name/animation is not permissible in the MOOCs development, however course coordinator may use the logo of UGC/MHRD and SWAYAM in their videos.

Video recording format: Full HD 1920x1080 pixels.

- Videos aspect ratio: 16:9 (widescreen).
- Module Delivery: 1080i following MPEG-4 AVC Compression.
- Audio Channel 1 to have Mixed Audio Track.
- Font size: Heading: 24-30; Sub-heading: 22-26; Body: 20-24;
- Full screen Video Frame, space of the Video should be utilized

The Video duration for the entire course to be about 20 hours for 4 credit course. The duration of full one module Video should be 25-30 Minutes (or more), which shall be broken into videos of about 8-10minutes to engage the students attention throughout the course.

The Video must not be like a Spoken Tutorial (audio narration / voice-over of text mention in presentation slides). A clear description of visuals as well as text is required. Training demonstration, illustration of examples, case study, documentary, etc should be added wherever applicable.

Video tutorial which will explain the concept of a module, should be initiated by the teacher with appearances (generally less than 25% of the total time, not more than 6 minutes) in-between the section/sub-sections of the topic and the entire topic should be in video timeline full of graphics, animations, PPT and not merely the content. Content delivery through Video is an essential component of each module that needs to be incorporated to explain the topic. It must include:- Multimedia, Animation, Documentary, Simulation, Graphics and Virtual Lab appropriately.

The expert/teacher whose video is recorded should look straight into the lens and talk to the camera and should tell extempore, teleprompter reading is not allowed. The audio has to be clear and of superior quality. Make sure that there is no distracting background noise. The equipment used should be semi professional one.

c) Presentation: PPT (PowerPoint Presentation program):-

Avoid long blocks of text preferably use bulleted points, use appropriate fonts (e.g. Arial, veranda, Helvetica or Myriad pro etc), use larger font size (not less than 20) for clear visibility. Add graphics and images as much as possible appropriately. Kindly note that presentation would be part of video, however PI has to submit presentation for each module.

- **d) Self Assessment:** The Content Writer should provide minimum 10-15 questions for each module in one or more of the following formats.
 - i) Multiple Choice Questions with Answer ii) True & False Statements iii) Fill in the Blanks iv) Match the Columns.

Assessment Plan:- Grading Scheme: Allocation of marks (in percentage) to Assignments, quizzes, and Final Examination.

e) Learn More :-

Learn more quadrant is about the supporting material of respective modules in different forms. Wikipedia link, Development of Course, Open content on Internet, Cases Studies,



Anecdotal information, Historical development of the subject, Articles may be given for Self Assessment.

4. Week sum-up videos :- 1-2 minutes summing up video covers the content taught in the week.

GUIDELINES TO AVOID PLAGIARISM:



CC to obtain copyright clearance from Content writers for any readings, images, and video clips used as core and supplementary reading in case of licensed material if used.

Direct references to specific materials should be avoided in video content or other course material till clearance has been obtained.

CC to ensure that content is NOT plagiarised.

UGC/INFLIBNET has provided universities with URKUND software to check plagiarism.

Online freely available software–plagiarism-detect.com

It shall be ensured that the proper credit and reference is given by the author about the source used in video or in e-text.

For Prevention of Plagiarism in Higher Educational Institutions kindly go through the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 dated 31st July, 2018. https://www.ugc.ac.in/pdfnews/7771545_academic-integrity-Regulation2018.pdf

FAQs



01 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; whereas 2nd quadrant is Multi-media component which is termed as Video / Self-Learning, 3rd quadrants contains MCQ, Problems, Quizzes, Assignments and termed as Self assessments and the last quadrants stands for references and further readings.

02 What is Production of Courseware e-Content for Post Graduate Subjects (i.e. E-PG Pathshla)?

It is an Gateway/platform to provide online course study material to all Non Technology PG Subjects.

O3 How can teachers and students benefit from e PG pathshala?

The scheme is to provide 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.



04 How can teachers and students benefit from e PG pathshala?

The scheme is to provide 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

05 What is SWAYAM?

The SWAYAM platform is an indigenous platform of the Government of India which hosts MOOCs (Massive Open Online Courses) 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 lifelong learners, students, teachers, researchers to use multimedia on anytime, anywhere basis for acquiring knowledge and skills.

06 What does a SWAYAM course comprise of?

SWAYAM course is a 12-15 weeks structured course comprising of (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. Steps have been taken to enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology.

07 What is the role of UGC in SWAYAM?

UGC is the National Coordinator for development of Non-technical PG Degree Courses on SWAYAM.

08 What is the difference between e-PG Pathshala and SWAYAM?

e-PG Pathshala provides e-content for post-graduate courses in various subjects in four quadrants and it can be accessed as Open Educational Resource 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.

09 How is SWAYAM different from other MOOCs?

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 where no teacher support/hand-holding for students is available. MOOCs has teacher-student groups where MOOC coordinator/tutor/teacher interacts with the learner. A learner can earn certificate/credit on successful completion of MOOCs course on SWAYAM.

10 When are Courses notified on SWAYAM?

SWAYAM notifies online courses on 1st June and 1st November every year.



11 Which HEinstitutions qualifies to be a Host Institution?

'Host Institution' shall mean the HEinstitution authorised to award degrees as per section 22 of UGC Act, 1956.

12 Roles and responsibilities of a Host Institution?

The host institution facilitates the conduct of examination, evaluation, award and transfer of credits for a 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 credits transferred into the transcript, issued by his/her parent institution.

13 Can Host-University Conduct Examination across the country i.e Pan-India approach?

- a. Maximum fund for the above purpose.
- b. Guideline for reimbursement of funds for the above purpose
- The actual expenditure on conducting of examination would be reimbursed.

14 Total no of weeks per course?

12-15 weeks per course

15 How much of percentage credit can be transferred?

Up to 20% of the credits can be transferred for the online courses on SWAYAM.

16 What is Introductory Video of the Course?

Introductory Video of the course shall highlight its objectives, learning outcomes, brief structure, engagement time etc, week-wise schedule, teaching pedagogy, activities planned etc, discussion forum, assignments, evaluation methodology etc. The video/ slide show should be appealing and informative for students. The duration of the video is 3-5 minutes.

17 Is Video recording necessary for each module while applying for the detailed online proposal.

No. Only one Introductory Video of the entire (12-15 week) Course is required at the time of submitting the proposal giving in detail the week-wise Course content and deliverables. The details of the content writers and video presenters of the modules, shall be included in the proposal.

18 If the Course Coordinator is Pvt. Person / Pvt. Institution?

In case, the shortlisted course coordinator is a private person or a private institution, not entitled to award credits/ certificate, it shall identify a public Institution authorized to offer credits/ certificate for the course and issue certificate, as Co-applicant. An MoU between the two defining their roles will be formulated and later approved by the National coordinator / SWAYAM Board.



- 19 Issue on the no of credit/ credit equivalence in the Courses offered on the SWAYAM Platform
- The Parent Institutions decides the credit equivalence of a MOOCs Courses.
- 20 Who will conduct the final theory exam? Will it be conducted by parent university or by the host university?
- The examinations will be conducted by the Course Coordinator who is offering the course on SWAYAM in consultation with National Coordinator.
- 21 Will the credits acquired through SWAYAM MOOCs be a part of the mark-sheet given by university.
- Yes.
- 22 Learning is free on SWAYAM but will there be a charge of certification/end term examination.
- Yes, end term examination will not be free. Their will be minimal Charge for the exam and after successful passing the end term examination certificate will be issued. However, for first year fee reimbursement can be done for students who have successfully passed the examination.
- 23 Is it compulsory for the entire class to select same MOOC course of any particular section/ discipline or they can choose different MOOCs?
- Yes. For earning Credit upto 20% (of the total courses being offered in a particular program in a Semester through the online learning) entire class has to select the same MOOC course of any particular section/discipline on the SWAYAM platform.
 - In case of electives, all the students opting for that electives should choose the MOOCs course.
- 24 Whether the MOOCs courses are additional courses to our syllabus and the credits earned by the students will be additional to our regular credits.
- 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 regular credits.



List of UGC Courses offered on SWAYAM Platform

To access the Non-Technology PG MOOCs course being offered by UGC on the SWAYAM Platform please click :-

http://ugcmoocs.inflibnet.ac.in/ugccourses.php

UGC SWAYAM Local Chapters : SWAYAM Coordinator/Mentor

