



Development and Delivery of MOOCs

**Consortium for Educational Communication
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*Part-1 National Coordinator-CEC and
MOOC Guidelines*

Key Points

- About CEC
- MOOCs
 - Repurposed
 - Fresh
- Progress So Far
- MHRD- MOOCs Guidelines (Imp in Brief incl. definitions)
- Review Process
 - Committees



About CEC

- Consortium for Educational Communication (CEC), an Inter-University Centre was established by **UGC in 1993**.
- CEC is mandated to address the higher education needs of the country by way of **Developing Educational Multimedia Content** and its **Dissemination** through various modes of communication such as **TV, EduSat Network** and Internet etc.
- CEC is engaged in the **Production** and **Dissemination** of higher educational programmes, benefitting millions of students, teachers and researchers across the country.

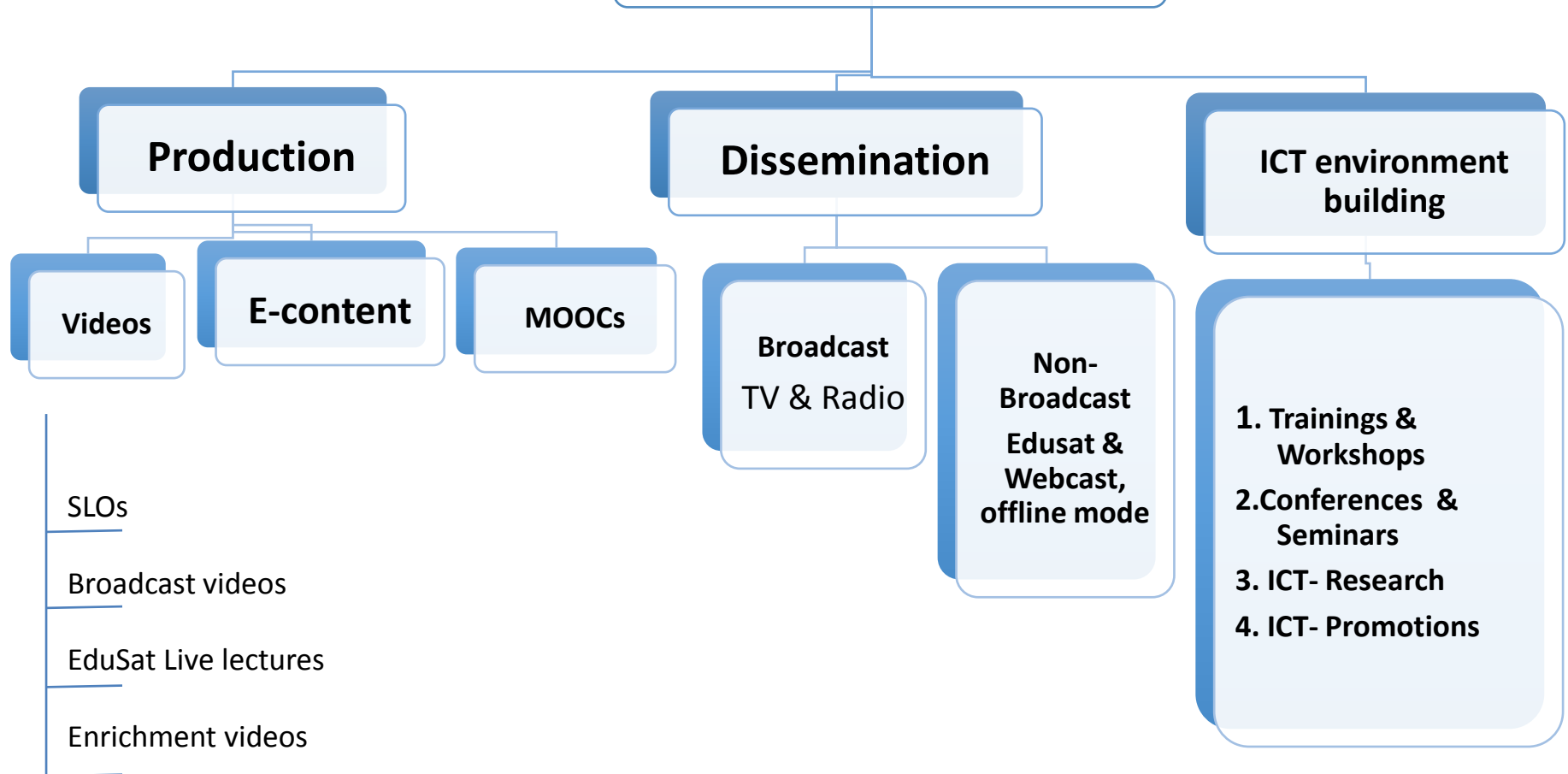


The Origin

- ICT and Media for educational purposes.
- UGC took the initiative in August 1984 to utilize the INSAT system in making high quality educational content available to students, teachers and other viewers through a special Educational transmission on **Doordarshan**.
- From 15 August, 1984 the telecast of UGC educational programmes, titled “Countrywide Classroom” (CWCR) started on the National Network of Doordarshan (DD-1)



Domain Areas of CEC





The Consortium-21 EMRCs



500 + trained
Manpower

State of the
art equipment
and
infrastructure

SWAYAM National Coordinators

- **Consortium for Educational Communication**, New Delhi has been designated National Coordinator for undergraduate Level non-technology courses (MOOCs) for SWAYAM.
- CEC as National Coordinator is also member of the SWAYAM board and coordinates with the SWAYAM Board, AICTE, MHRD and other stakeholders.

National Coordinators	Sector
UGC	PG courses
CEC	UG non-technology courses
NCERT	School level courses
NIOS	School level courses
IGNOU	Out of School education courses
NPTEL	Engineering Courses
IIM Bangalore	Management Courses
AICTE	Self-paced courses
NITTR	Teacher Training courses

MOOCS



- Massive = large number of participants can be simultaneously engaged in the course.
- Open = Open Access Anybody can enroll
- Online = Remote learning via the Internet, Video Conferences, Web-chats via plethora of ICT tools .
- Course = learning objectives to be achieved by students after certain activities within in a given period of time through Communities like Forums, Bogs, Social Networks .

A Course

- Course shall be of two types: credit courses and non-credit courses.
 - **Credit Course** shall mean a course which is taught for at least one semester as a part of a subject/programme.
 - **Non-Credit Course** shall include courses like awareness programme, continuing education programme or training of specific skill set as independent course, which are not part of any set curriculum. It can be of shorter duration.

MOOCs offered on SWAYAM platform



MHRD | Government of India
Ministry of Human Resource Development

AICTE
All India Council for Technical Education

REGISTER LOGIN EN

FREE ONLINE EDUCATION
swayam
एनलिन भास, उमल भास

HOME ABOUT SWAYAM ALL COURSES FACULTY INSTITUTIONS

SWITCH TO SMART EDUCATION.
Learning made easy with SWAYAM,
An MHRD initiative

DISCOVER YOUR LEARNING PATH

SCHOOL

Not finished school yet?
[Do it](#)

CERTIFICATE

DIPLOMA

UNDERGRADUATE

POST GRADUATE

- It is MHRD's platform for digital learning
- It stands for - SWAYAM (Study Webs of Active – Learning for Young Aspiring Minds)
- CEC is the National Coordinator for MOOCs at undergraduate level
- MOOCs may be credit or non credit.



Repurposed Courses: Progress so far

- **Repurposed Courses out of 4 Quadrant e-Content Courseware -**
 - Total Courses Developed- 201
 - Courses run so far- 55
 - Courses are being offered for July-Dec 2018- 110
 - Number of registered Students- over 80,000

Repurposed Courses – Anchor EMRC's



S. No.	Media Centres	Proposed No of Courses at 97 th Coordination Meeting	Proposal Received till date
1	EMRC Srinagar	15	16
2	EMRC Sagar	10	10
3	EMRC Ahemdabad	13	20
4	EMRC Calicut	21	15
5	EMRC Imphal	10	10
6	EMRC Indore	10	10
7	EMRC Jamia	12	6
8	EMRC Kolkata	20	20
9	EMRC Osmaia	10	18
10	EMRC Pune	11	18
11	EMRC Roorkee	13	10
12	EMRC Patiala	13	9
13	EMRC Mysore	20	7
14	EMRC EFLU	10	9
15	EMRC Madurai	10	23
16	EMRC Jodhour	10	0
	Total	218	201



Fresh MOOCs Proposals – Against CEC-EOI

Fresh Courses-

- Eoi Invitation issued on- 18th August 2017
- Total proposal received for courses- 413
- Proposal recommended from SEG- 159
- Proposal approved from AAC- 80



Fresh MOOCs- Anchor EMRC's

	Natural Science	Social Sci., Art/ Language/ Literature	Professional and Management	total courses	modules tentative
Calicut	11	12	5	28	1120
Chennai	5	5		10	400
Indore	1		6	7	280
Jamia	1	2		3	120
Madurai	3	1	11	15	600
Osmania	1		1	2	80
Roorkee	1	2	3	6	240
Puducherry	3	2	2	7	280
Sagar	3	2		5	200
Srinagar	3	3		6	240
Ahmedabad			4	4	160
Imphal			1	1	40
Jodhpur			4	4	160
Patiala		2	2	4	160
	32	31	39	102	4080

Guidelines

March
2016

- MHRD issued guidelines for development and implementation of MOOCs on 11th March 2016.

June 2017

- MHRD issued an updated guidelines for development of MOOCs establishing timeframe for Fresh MOOC Development

UGC
Notification

- UGC issued a notification to make MOOCs compliant with CBCS and thus to integrate with Traditional Education System via Credit Transfer

Financial
Norms

- MHRD issued a Financial Norms for development and Delivery of Repurposed and Fresh MOOCs on 1st June 2017

All the above guidelines were made available to all the Media Centres

Host and Parent Institute in Credit Transfer

Course Coordinator (CC):

- The CC shall be a Subject Matter Expert (SME) belonging to a reputed educational institution/Industry or a specialist in the field identified and entrusted with the task of developing online course in a given area by the NC.
- The course shall be developed and offered on the SWAYAM platform aligned with the semester in which it is taught in the university

Host Institution :

- An educational institution which offers MOOCs on SWAYAM is called Host Institute. Its an institution duly recognised /approved by the regulating authority, to which the PI/SME offering the course belongs. The host institute facilitates and conducts the examination, evaluation and award and transfer of credits. On successful completion of each course, the Host Institute offering the MOOCs course would issue the certificate, along with the number of credits and grades, which would be transferred into mark-sheet/certificate issued by his/her parent institute.

Parent Institution

- A parent institute is where a prospective learner is enrolled in a particular program and may further opt for a particular MOOCs hosted on SWAYAM. On successful completion of the course, the host institute offering it would issue the certificate, along with the number of credits and grades, through which the student can get credits transferred into his/her marks certificate issued by his/ her parent institute.

Norms for Course development



- The norms for TLM, on camera presentation and video production are for a 40 hour course (20 hours video and 20 hours of e-text). For courses which are of more/less duration the payment would be proportional.
- The courses should strictly comply with quality and other parameters prescribed in the June 2017 guidelines. A **Compliance Certificate** in this regard should be given for each course by the Course Coordinator (CC).
- Before uploading every course on SWAYAM, NC should verify and certify that the course is in compliance with the June 2017 guidelines.
- The payment would be made by NC to the Host Institute and not to the CC directly.
- The payment would be made only after acceptance of the deliverables by NC.

Continued...



- The CC has to give an undertaking that the course has not been submitted to any other agency for funding and has not received funding from any other source.
- regarding conduct of examination and award of credit of certificate.
 - The receipt of payment by the CC/SME shall be regulated by the norms prevalent in the host institution.
- The complete IPR of all the courses uploaded on SWAYAM shall be copy Righted with the MHRD.
- The CC shall be given explicit permission for creating books and other distribution materials ever for commercial purposes with the explicit undertaking that contents published in SWAYAM shall remain there.



UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016

- Issued on 19th July, 2016
- Online learning courses to be made available on the SWAYAM platform, to be eligible for credit transfer.
- SWAYAM to notify online courses on 1st June and 1st November, every year
- up to 20% of the total courses being offered in a particular program in a Semester on SWAYAM , can be earned through SWAYAM.

UGC (Credit Framework for online learning courses through SWAYAM) Regulation 2016

रजिस्ट्री सं० डी० एल०-33004/99

REGD. NO. D. L.-33004/99



भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग III—खण्ड 4

PART III—Section 4

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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विश्वविद्यालय अनुदान आयोग

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

2016

नई दिल्ली, 19 जुलाई, 2016

मि० सं० 1-100/2016/मूक्स(ई-कॉटे०) 1. प्रस्तावना.—

				Local bodies – 5
III (D)	RESEARCH GUIDANCE			
III(D)(i)	M.Phil.	Degree awarded	Degree awarded	5 per candidate
III(D)(ii)	Ph.D.	Degree awarded / Thesis submitted	Degree awarded / Thesis submitted	15/10 per candidate
III E	Fellowships, Awards and Invited lectures delivered in conferences / seminars			
III(E)(i)	Fellowships/ Awards	International Award/Fellowship from academic bodies	International Award / Fellowship from academic bodies/associations	15 per Award / 15 per Fellowship
		National Award/Fellowship from academic bodies	National Award/Fellowship from academic bodies/associations	10 per Award / 10 per Fellowship
		State/University level Award from academic bodies	State/University level Award from academic bodies/associations	5 Per Award
III(E)(ii)	Invited lectures / papers	International	International	7 per lecture / 5 per paper presented
		National level	National level	5 per lecture / 3 per paper presented
		State/University level	State/University level	3 per lecture / 2 per paper presented
The score under this sub-category shall be restricted to 20% of the minimum fixed for Category III for any assessment period				
III(F)	Development of e-learning delivery process/material			10 per module

* Whenever relevant to any specific discipline, the ADI score for paper in refereed journal would be equivalent to the score for the same paper in refereed journal.

API scores for e-learning delivery

Process/Material



- University Grants Commission (Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education) (4th Amendment), Regulations, 2016.
- API scores are proposed for research and academic contributions.
- A maximum score of 10 per module has been fixed for Development of e-learning delivery process/material



Enabling Legal Framework

- MOOCs can be of 2 types: Credit and non-credit
- A credit MOOCs can only be opted by a student who is enrolled in any educational institution.
- University Grants Commission wide Gazette notification no.295 dated 20th July 2016 notified the credit framework for online learning courses through SWAYAM.
- An Institution can only allow up to 20% of the total course being offered in a particular program in a Semester through the online learning courses provided through SWAYAM platform.
- The MOOCs shall be hosted by University/Institutions after approval of the course by their academic councils

Financial Norms



A. Teaching Learning Material (TLM) & on-camera Presentation

S.No	Details	Rs. (in Lakh)
1	Preparation of the TLM, assessment, presentations, online reference material etc. including transcript – for 40 hours course material	1.50
2	On Camera presentation by SME @ Rs. 5000 per module (30 minutes)	2.00
3	Academic Review with two subject matter experts (for all four quadrant material) @ Rs.1000 per module (30 minutes)	0.80
4	Technical review by one technical expert @ Rs.500 per module (30 minutes)	0.20
	Sub-Total payment to SMEs and Reviewers (for 40 hours)	4.50



B. Video Production (20 Hours for 4 Credit):

S. No.	Details	Rs. (in Lakh)
1	Production cost (including cost of studio, set, crew and instructional designer)	5.25
2	Multimedia or outdoor shooting inputs	1.75
3	Post Production (@ Rs.5000 per hour)	2.00
	Sub-Total Video Production Cost	9.00



Payment of Honorarium for Delivery of SWAYAM

- The honorarium would be paid only for all the credit/certificate courses.
- The honorarium should be 20,000/-per credit (10 hrs of TLM) for enrollment less than 500. so far a 40 hrs Course, it would be 80,000/- (maximum).
- The honorarium for should be 25,000/- per credit for enrollments equal to or greater than 500. so far 40 hrs Course it would be 1,00,000/- (maximum)
- The payments towards TA would be 20,000/- (maximum) per course.
- For the Niche Courses, the concerned Academic Advisory Council (AAC) would be empowered to modify the norms subject to the maximum cap mentioned above.
- The Payment would be made only for courses that would result in award of credit or certificate. HI should give the necessary commitment regarding conduct of examination and award of credit or certificate.



Academic Advisory Council (AAC)

- MHRD vide its MOOCs guidelines issued on 1st June 2017 requested National Coordinators to constitute Academic Advisory Council.
- Academic Advisory Council consisting of academicians for assisting the NC to consider and take decisions on every MOOC proposal.



Subject Expert Groups (SEG)

- MHRD vide its MOOCs guidelines issued on 1st June 2017 requested National Coordinators to constitute Subject Matter Experts Group.
- Subject Matter Expert Groups for each subject consisting of academicians for evaluating the proposals for online courses and make recommendations for its acceptance, improvement or rejection.

Proposal Submission & Review Process

Submission of Proposal

Format Available on- www.cec.nic.in

Submission through email-
cec.moocproposal@gmail.com

Vetting at NC end

completely filled proposals with all the required info

Short listing & categorization of received proposal

Subject Expert Groups

1st Stage Review by SEG, formed by NC

Proposals will be put for further approval to AAC

Academic Advisory Council

Based on SEG recommendation proposals will be
accepted or rejected

Approved course will be sent to SWAYAM Board

SWAYAM Board

After Submission to SWAYAM Board Approved course may get funding for course development following
MHRD Guidelines



Delivery of MOOCs on SWAYAM

- Courses to be Aligned to the courses to the Academic Curriculum
- Credit/Certificate courses should be encouraged
- NCs should finalize the list of courses which would offered in the coming semester by consulting the Course Coordinator
- The list of the courses shall be sent to the UGC/AICTE by the SWAYAM cell in the Ministry, with a request to secure concurrence of all Universities for credit transfer.



Continued...

- UGC and AICTE would send this consolidated list of courses with their credit to all Universities/Institutions for getting approval for credit transfer from their council.
- Announce the list of courses (for coming semester) along with the credits for each course in SWAYAM at least 3 months before
- Enrollment in the course for the next semester, should be open-up, 2 months prior to start date to ensure timely students registration

Submitting Proposal for MOOC to CEC

- Expression of Interest is available on CEC website
- The [Performa](#) must be download and filled completely

n/Pages/Home.aspx

NEW WAYS OF INNOVATIVE LEARNING
E-CONTENT COURSEWARE FOR UG SUBJECTS
DIGITAL REPOSITORY OF LEARNING MATERIALS
LIVE STREAMING OF EDUCATIONAL CONTENT

TECHNOLOGY ENRICHMENT

e-Education
EMRC (Media Centre)
VYAS & DTH High Education Channel
e-Knowledge Resources

out CEC Director's Message Director's Profile Governance Organization Chart Human Resource

about CEC
The Consortium for Educational Communication popularly known as CEC is one of the Inter University Centres set up by the University Grants Commission of India. It has been established with the goal of addressing the needs of Higher Education through the use of powerful medium of Television alongwith the appropriate emerging Information Communication Technology (ICT). [Read More](#)

Vyas Channel

Information

ANNOUNCEMENT

- Prakriti Film Festival 2016-17
- Inviting EOJ for new MOOC Courses
- Format for EOJ and Detailed MOOC Plan
- List-A MOOCs UG Courses available on Swayam
- List-B MOOCs UG Courses available on Swayam

TENDER

Calendar

September 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sa
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	1
17	18	19	20	21	22	2
24	25	26	27	28	29	3
1	2	3	4	5	6	7

Upcoming Event

Consortium for Educational Communication
IUAC Campus, Aruna Asaf Ali Marg, New Delhi-110067
Phone : 011-26897418/19 Fax : 011-26897416
Website : www.cec.nic.in

Invitation for Expression of Interest and Proposals for Developing MOOCs

Government of India (GOI) in its pursuit of National Digital Initiatives launched indigenous technology enabled learning platform-SWAYAM for hosting Massive open online courses (MOOCs). Consortium for Educational Communication (CEC), an Inter University Centre of UGC on Electronic media which has been designated as National Coordinator (NC) for developing Non Technological UG courses. CEC invites Expressions of Interest for development of MOOCs at undergraduate level from academic(s)/Professionals, associated with universities/ educational institutions.

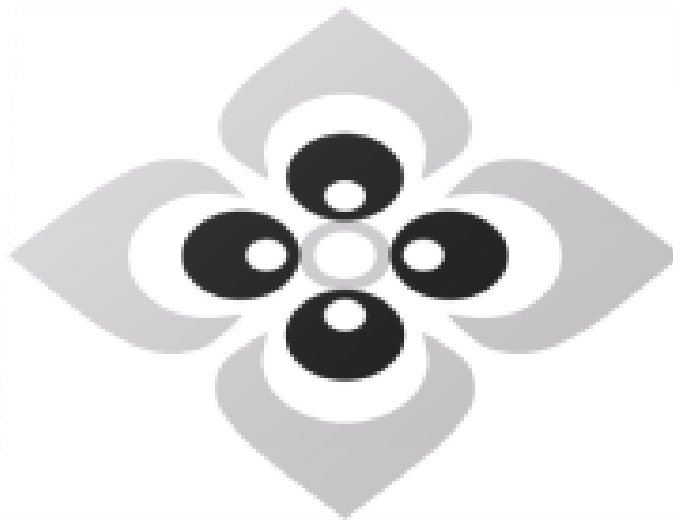
Priority would be given to MOOCs under the UGC approved CBCS curricula in fundamentals/threshold/emerging areas of knowledge in any subject taught at UG level including elective and optional papers/courses in the subject for undergraduate studies. MOOCs can also be proposed in Fundamentals/ skill development / value education that are in demand for lifelong learning.

For further Details kindly refer to [details, guidelines and Instructional Manual](#) available on the CEC website:- www.cec.nic.in

Proformas for **Expression of Interest** and **Detailed Proposal** can be downloaded from CEC Website:- www.cec.nic.in and the same may be submitted via e-mail at cec.moocproposal@gmail.com in the prescribed formats.

The last date for proposal submission is **15th September 2017**.

**National Coordinator
Undergraduate MOOCs**



THANKS
FOR ATTENTION