**Agenda Papers**

**16th Meeting**

**SWAYAM BOARD**

**09th September 2019**

**Ministry of Human**

**Resource Development**

**Shastri Bhawan**

**New Delhi - 110001**

**AGENDA**

**16th Meeting of the SWAYAM Board**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Agenda Items** | **Page No.** |
| 1 | **Agenda Item No. 1**  Confirmation of Minutes of 15th SWAYAM Board Meeting | 2 - 5 |
| 2 | **Agenda Item No. 2**  Action Taken Report | 6 - 9 |
| 3 | **Agenda Item No. 3**  Status Report on SWAYAM | 10 |
| 4 | **Agenda Item No. 4**  Review Report on SWAYAM Courses | 11 |
| 5 | **Agenda Item No. 5**  Orchestration of Online Programmes by Universities through SWAYAM | 12 |
| 6 | **Agenda Item No. 6**  Separate Partition for School Education Courses in SWAYAM | 13 |
| 7 | **Agenda Item No. 7**  List of Courses for January 2020 Semester | 14 - 19 |
| 8 | **Agenda Item No. 8**  **Development of 10 Episode Web Series on Ayurveda -** Submitted by UGC / CEC | 20 - 22 |
| 9 | **Agenda Item No. 9**  **Proposal for Development of Open Education Resources (OER) for Higher Education** – Submitted by UGC | 23 - 32 |
| 10 | Any other item with the permission of Chair |  |

**Agenda Item No. 1**

**Confirmation of Minutes of the 15th SWAYAM Board Meeting held on 14.08.2019**

**Minutes**

The 15th Meeting of the SWAYAM Board was held under the Chairmanship of Shri R. Subrahmanyam, Secretary (HE), M/o HRD on 14.08.2019. List of Participants is enclosed.

2. **Confirmation of Minutes of the 14th SWAYAM Board Meeting:** SWAYAM Board confirmed the minutes of 14th SWAYAM Board meeting with the following corrections in para 8 on NC office setup:

In the sentence ‘UGC requested that the CEC…..” the words “as UGC is not able to perform the function effectively” stand deleted.

**After detailed discussions the following decisions were arrived at:**

3. **eVBAB Project of MEA:** Secretary(HE), based on the discussions with JS(WA) MEA, suggested that there should be a single landing page interface for all related digital initiatives. SWAYAM, SWAYAM Prabha and NDL could come as separate tabs on the same page.

4. **SWAYAM Workshops:** Secretary (HE) emphasized the need to evolve a set of parameters to assess/measure the effectiveness of the SWAYAM workshops and Capacity Building workshops. Post-workshop the performance & feedback should be monitored with the help of well defined parameters.

5. **Status reg. the number of Courses adopted for Credit Transfer:** To get the status regarding the number of courses accepted for credit transfer, the registration form instead of examination form should have question which asks if the course is being taken for credit transfer.

6. **Annual SWAYAM Conference:** Prof. P.D. Jose presented that the objective of this conference would be - Brand building, networking SWAYAM institutions, hearing professionals and regulating policies. Prof. P.D. Jose was requested to prepare a paper outlining the strategy, target audience, timing, duration etc and make a presentation in the next Board Meeting.

7. **Addressing Gap areas in Engineering and Non-Engineering programmes.**    
Secretary (HE) emphaized the urgent need to address this issue. The Board decided that all the NCs would on priority identify the gap areas in all programmes and identify people who can fill the gap by offering courses in SWAYAM. The Board decided to monitor this very seriously from the next Board meeting.

8. **ARPIT Courses:** Prof. Andrew Thangaraj and Dr. Prathap Haridoss brought out certain administrative issues in the running of ARPIT courses. It was decided that, after the Board meeting, they alongwith MHRD representatives would sit with Dr. Shakila Shamsu (OSD) and sort out the issues.

9. **Diploma/certificate/degree programmes for African Students under eVBAB Project of MEA:** IIM Bangalore offered that they could offer Diploma programme within a month. IGNOU offered MCA and MBA programme. NPTEL offered certificate programmes. IIM Bangalore, NPTEL and IGNOU were requested to convey the details of such programmes alongwith the starting date in the next 2 days to MHRD, so that it could be conveyed to JS (WA), MEA. It is expected that MEA would launching this project very soon as it is part of their 100 day programme.

10. **Presentation by NCs - Delivering Courses as a Package on SWAYAM:** NPTEL and NITTTR made presentation on delivering courses as a package. The Board decided that all NCs should workout some domain courses as has been presented. NCs should send the details of the package/domian courses to MHRD before the next Board meeting. The Board felt that these domain courses could be formally launched in October 2019 for January 2020 session of SWAYAM.

11. **Experience sharing by NCs:** The Board appreciated the suggestion that NCs must share their learning experience with each other on regular basis. This could be done through e-mail group. Prof. Andrew agreed to activate the existing e-mail group for this.

12. **SWAYAM 2.0:** Prof. Andrew mentioned the following. SWAYAM 2.0 is running smoothly. The new cloud tender has been finalised and it is Google cloud. All new courses for July 2019 semester are getting loaded on SWAYAM 2.0. Some courses which are running on SWAYAM 1.0 prior to june 2019 would continue on SWAYAM 1.0 till they are complete, especially the school courses which are of longer duration. It is expected that there will be no course running on SWAYAM 1.0 by October 2019. Regarding migration of courses from SWAYAM 1.0 to SWAYAM 2.0, Prof Andrew agreed that the detailed steps would be shared with all NCs.

13. **NIOS and NCERT Courses on SWAYAM 2.0:** NIOS and NCERT pointed out that they are facing some administrative issues since their courses are at school level and different from other courses in terms of duration etc. The Board reiterated that SWAYAM 2.0 should support school courses. The Board suggested that the NIOS and NCERT team should sit with the techincal team of SWAYAM 2.0 and sort out the issues. Prof. Andrew agreed to help them out.

14. **Reimbursement of Examination fees:** It was pointed out that, as per SFC the examination fees are to be reimbursed for two years. Even though two years have passed only two examinations have been held. So the issue is, whether to reimburse the examination fee for the November 2019 examination. The Board decided that it should be examined in file as it is related to SFC decision.

15. **Conducting examination for International students:** A number of foreign students are enrolling in SWAYAM courses. Also now there will be African students under the eVBAB project of MEA. The issue is of conducting examination for these students. NIOS and IGNOU mentioned that they are already conducting examination for foreign students. The Board requested NIOS and IGNOU to prepare a note on this and submit the same to MHRD within one week.

16. **Issue of Certificate:** The Board noted with concern the delay in uploading of marks and issue of certificate after the examination. It was decided that the process should be automated. This should be completed before November 2019 examinations. IIT Madras requested to coordinate the same.

17. **Compliance to SWAYAM Schedule (O.M. dated 6/6/2019).** The Board reiterated that all NCs/CCs should strictly adhere to the notifed SWAYAM Schedule. SWAYAM 2.0 should ensure that the course enrolment date cannot be changed by the CC/NC beyond the prescribed date as per the schedule. IIT Madras was requested to ensure this.

18. **Approval of the Recommendations of three-member Committee headed by Retired Judge of the High Court in the matter of M/s CtrlS Datacenters Ltd., Hyderabad for non-compliance of agreement to migrate all SWAYAM applications and services on SWAYAM Platform for taking appropriate action by AICTE:**

The Board felt that, since AICTE is the implementation agency for SWAYAM 1.0, the Executive Committee of AICTE can take a decision on the recommendation of Justice Committee report .

19. **AICTE - Creation of Online Courses on “Human Excellence” by Vivekananda Institute of Human Excellence, Ramakrishna Math, Hyderabad & LSC - Proposal for Creating MOOC relating to Logistics Courses in SWAYAM Portal:**

The Board felt that, AICTE or any other NC could decide whether a course is to be accepted for running on SWAYAM through their Academic councils, based on the following general principles.

(a) It should have universal applicability.

(b) The course complies with the quality norms of SWAYAM.

(c) If it is credit based, then at least some universities should certify for their degree program.

20. **NC / CC Guidelines for Running of SWAYAM Courses:** The Board requested all NCs to share their comments on the Guidelines to MHRD within one week. The Guidelines to be issued after incorporating the comments of NCs.

21. **NIOS - Hosting “D.El.Ed. Course for Elementary Teachers” material on SWAYAM as self paced Teacher Refresher Course:** Board approved the hosting of “D.EI.Ed. Course for Elementary Teachers” material on SWAYAM as self-paced Teacher Refresher Course.

22. **NIOS - Integration of NIOS Student Portal with SWAYAM 2.0 Portal through Web Services for Single Registration:** SWAYAM 2.0 Technical Team will explore the possibility of integrating of IGNOU, NCERT and NIOS Student Portal with SWAYAM 2.0 to facilitate single sign-on. IIT Madras was requested to coordinate the same. Post meeting, an action plan for same to be submitted by IIT Madras, clearly indicating the time lines. To be discussed in the next Board meeting.

23. **Allocation of SWAYAM Prabha Channel to AICTE:** SWAYAM Board approved allocation of one SWAYAM Prabha Channel to AICTE/ MIC.

24. **Advertising SWAYAM Prabha channels through DD:** Chairman, NIOS mentioned that they have got a very special rate for their programs on DD. Also a part of the package, there are some free advertisement minutes. The Board thanked Chairman NIOS and requested NIOS to share the details with MHRD so that SWAYAM Prabha could also get the benefit of the same.

The meeting ended with thanks to the chair.

\*\*\*\*\*\*

**It has been pointed out that the following points discussed during the meeting have been missed in the Minutes and hence to be included:**

1. SWAYAM Board decided that UGC would continue as the National Coordinator for Non Engineering Post Graduate Courses and UGC may outsource or use the existing capacity of CEC for the administrative / monitoring work.
2. Board noted the information of Extension of Contract of M/s Embee Software Pvt. Ltd. for M/s Azure Cloud Services for SWAYAM MOOCs Platform from 8th August, 2019 till 31st December, 2019.
3. Board noted the information of Extension of Contract of Bulk SMS Gateway and e-Mail Services through M/s Netcore Solutions Pvt. Ltd., New Delhi from 01.04.2019 to 31.03.2020

**Agenda Item No. 2**

**Action Taken Note on the Points decided in the 15th SWAYAM Board Meeting held on  
14th August, 2019**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Items** | **Action Taken Note** |
| 1 | **Awareness Creation & Publicity**  **A**. Local Chapters activity  **SWAYAM Workshops / Capacity Building Workshop:** To evolve a set of parameters to assess/measure the effectiveness of the SWAYAM workshops and Capacity Building workshops. Post-workshop the performance & feedback should be monitored with the help of well defined parameters. | **UGC:** UGC has successfully conducted two one day regional workshops on "Awareness, Adoption & Promotion" of the MOOCs Courses offered on SWAYAM Platform.  1.  First W/S at The National Law Institute University, Kerwa Dam Road, Bhopal on 9th August, 2019 which saw an attendance of about 400 participants including Vice Chancellors, Principals, SWAYAM Coordinators and SWAYAM Mentors from the States of Madhya Pradesh, Rajasthan & Chhattisgarh.  2. Second W/S at Ranchi University, Ranchi  held on 3rd September, 2019 where about 175 participants attended including Principal Secretary, Higher Education, Jharkhand, Vice Chancellors, Principals, SWAYAM Coordinators and SWAYAM Mentors from the States of Bihar, West Bengal, Orissa and Jharkhand  UGC is in the process of obtaining feedback from Workshop participants in a feedback form devised for the purpose.  Total number of SWAYAM Coordinators from Universities has increased from 190 in April, 2019 to 205 and mentors from colleges have increased from 1452 to approx.1600.  **NIOS:** Establishment of Local Chapters of NIOS is under process. |
| 2 | **Status regarding the number of Courses adopted for Credit Transfer**  To get the status regarding the number of courses accepted for credit transfer, the registration form instead of examination form should have question which asks if the course is being taken for credit transfer. | **IIT Madras:**  The examination form has this question. An alternative is being proposed where each University nominates one SWAYAM liason officer, who is either the exam controller/Registrar/member of the Academic Council who will enter the credit transfer related details on a form.  All autonomous colleges under the University, having their own boards must also do this.This can be done once in 6 months. |
| 3 | **eVBAB Project of MEA:** Secretary(HE), based on the discussions with JS(WA) MEA, suggested that there should be a single landing page interface for all related digital initiatives. SWAYAM, SWAYAM Prabha and NDL could come as separate tabs on the same page. | **IIT Madras:**  A single landing page called “Digital Initiatives of Govt of India in Education” be created where there are links to SWAYAM SWAYAM Prabha, NDL, eVBAB, online degree portals, etc. SWAYAM can keep the identity of being the online certification portal, where courses offered are funded by MHRD, vetted for quality and can be taken for credit transfer. |
| 4 | **Review Report of running courses by NCs and activity plan** | All NCs (Included as Agenda Item No. 4) |
| 5 | **Annual SWAYAM Conference**  Prof. P.D. Jose was requested to prepare a paper outlining the strategy, target audience, timing, duration etc. and make a presentation in the next Board Meeting. | **IIM Bangalore:** to report |
| 6 | **Addressing Gap areas in Engineering and Non-Engineering programmes:**  The Board decided that all the NCs would on priority identify the gap areas in all programmes and identify people who can fill the gap by offering courses in SWAYAM. The Board decided to monitor this very seriously from the next Board meeting. | **NPTEL:** All engineering disciplines and Management completed. Second round of checking going on for the same. Ongoing for Maths / Physics / Chemistry  **CEC** began work in 8 subjects; Completed the work for 4 subjects (identified 13 courses in Geography, 19 courses in Commerce, Mathematics – 14, History – 42). Work is under progress and identified courses for other 4 subjects i.e. Chemistry 12, Physics 4, Zoology 27 and Botany 14.  **NCERT:** Courses in languages teaching-learning and Social Sciences will be taken up soon. |
| 7 | **ARPIT Courses:**  Prof. Andrew Thangaraj and Dr. Prathap Haridoss brought out certain administrative issues in the running of ARPIT courses. It was decided that, after the Board meeting, they alongwith MHRD representatives would sit with Dr. Shakila Shamsu (OSD) and sort out the issues. | **IIT Madras / PMMMNMTT**  Profs. Andrew and Prathap met with Dr. Shakila along with Mr. Parameswaran N. Following were the suggestions given, accepted by Dr. Shakila:  1. There would be 2 tabs to differentiate current ARPIT courses and archived courses  2. Not restrict entry/enrollment to ARPIT courses but encourage anyone interested to do so. At the time of exam registration, proof may be asked to be uploaded on whether the learner is a faculty and accordingly 2 types of certificates to be given – one would be a refresher course certificate and other would be a course completion certificate.  3. Ask faculty to pay fees and register for exams and refund if they appeared or passed in the exams, which was yet to be decided.  4. Have a relook at courses already created and see if they were worthy of being rerun.  5. Align the ARPIT courses with the regular SWAYAM courses so that exams could be possibly done along with SWAYAM exams.  6. Set up a portal support team to help NRCs at every step- recording/uploading/monitoring.  7. Collect feedback from the course instructors who had created the content on whether the ARPIT courses need some changes.  8. Feedback on the courses be given back to all the course instructors of a particular course as many reported not having any information on how it was received.  9. Check on the disbursal of honorarium to those who had completed courses. |
| 8 | **Diploma/ Certificate/ Degree Programmes for African Students under eVBAB Project of MEA:**  IIM Bangalore, NPTEL and IGNOU were requested to convey the details of such programmes along with the starting date in the next 2 days to MHRD, so that it could be conveyed to JS (WA), MEA. | **IIM Bangalore:** to report.  **NPTEL:** 3 domains in Computer Science and Engg. have been shared.  **IGNOU:** 1. MBA 2. BCA 3. MCA 4. Certificate in Tourism Studies  Dates are not shared with MHRD |
| 9 | **Presentation by NCs - Delivering Courses as a Package on SWAYAM:**  The Board decided that all NCs should workout some domain courses as has been presented. NCs should send the details of the package/ domian courses to MHRD before the next Board meeting. The Board felt that these domain courses could be formally launched in October 2019 for January 2020 session of SWAYAM. | **UGC:** The Following diploma and Certificate Courses has been identified from LAW Domain:-  Diploma in Criminal Justice Administration (4 courses) of 16 Credits from NLU Delhi.  Certificate Course in Access to Justice of (2 courses) of 8 credits from NLU Delhi.  **IGNOU** is in the process of offering 8 courses as package for 4 programmes.  1. MA in Hindi  2. Certificate in Tourism Studies  3. Certificate in Russian Language  4. Certificate in Arabic Language  Letter of Intent (LOI) received for these programmes.  **NPTEL:** Still being verified. Will be sent out soon.  **CEC**: Shared Details of 12 Packaged Domain Courses with targeted user groups/audiences.  1. Fundamentals of Tourism, 2. Tourism Products & its development, 3. Travel & Tourism Operations, 4. Business Laws in India, 5. Law of Crimes in India, 6. International Humanitarian Law & Human Rights Law in India, 7. Entrepreneurship Development, 8. Basic Course in Digital Marketing, 9. Retail Business Management, 10. Certificate Course on Agri-Business Management, 11. Basics of Office Management and Secretarial Practices, 12. Operation Management and Analytics |
| 10 | **Experience sharing by NCs:** NCs must share their learning experience with each other on regular basis. Prof. Andrew agreed to activate the existing e-mail group for this. | **IIT Madras**  An email group comprising all NCs already has been created and exists. Email communication on this group will reach all NCs. |
| 11 | **NIOS and NCERT Courses on SWAYAM 2.0:**  The Board reiterated that SWAYAM 2.0 should support school courses. The Board suggested that the NIOS and NCERT team should sit with the technical team of SWAYAM 2.0 and sort out the issues. Prof. Andrew agreed to help them out.  **Integration of NIOS Student Portal with SWAYAM 2.0 Portal through Web Services for Single Registration:** SWAYAM 2.0 Technical Team will explore the possibility of integrating of IGNOU, NCERT and NIOS Student Portal with SWAYAM 2.0 to facilitate single sign-on. IIT Madras was requested to coordinate the same. Post meeting, an action plan for same to be submitted by IIT Madras, clearly indicating the time lines. | **NIOS:** Separate interface is required for School Education.  **IIT Madras:** A proposal suggested by IIT Madras will be discussed by SWAYAM-HRD with NIOS/ NCERT shortly. Next steps will be taken based on response received.  (Included as Agenda Item No. 6) |
| 12 | **Reimbursement of Examination Fees:**  The Board decided that it should be examined in file as it is related to SFC decision. | A Note regarding the same has been initiated by TEL Bureau. |
| 13 | **Conducting Examination for International Students:** The Board requested NIOS and IGNOU to prepare a note on this and submit the same to MHRD within one week. | **IGNOU:** Details shall be provided separately  **NIOS:** Courses will be offered through SWAYAM and the examination for the International learners will be conducted at the identified study/examination centres of NIOS with the help of respective consulate/embassy/high commission. as NIOS is already having study centres in abroad. |
| 14 | **Issue of Certificate:** It was decided that the process should be automated. This should be completed before November 2019 examinations. IIT Madras requested to coordinate the same. | **IIT Madras**  For November 2019 SWAYAM exams, a way to upload marks and e-certificates of candidates is being done. |
| 15 | **Compliance to SWAYAM Schedule (O.M. dated 6/6/2019).** SWAYAM 2.0 should ensure that the course enrolment date cannot be changed by the CC/NC beyond the prescribed date as per the schedule. IIT Madras was requested to ensure this. | IIT Madras  Will work on it and confirm. |
| 16 | **NC / CC Guidelines for Running of SWAYAM Courses:** All NCs to share their comments on the Guidelines to MHRD within one week. | CEC shared some minor suggestions.  **UGC :**   * Re-examination of the students who fail to qualify in the SWAYAM Examination * Due to the Exam Fees many students desist from sitting in the SWAYAM examination |
| 17 | **Advertising SWAYAM Prabha channels through DD:** NIOS was requested to share the details of advertisement package of DD, with MHRD so that SWAYAM Prabha could also get the benefit of the same. | **NIOS**: HIRING OF DD SLOT IS UNDER PROCESS. |
| 18 | **Review of SWAYAM Guidelines and Financial Norms:**  Board approved the proposal to review SWAYAM guidelines and financial norms and to nominate a committee. Board suggested to include Shri Anil Kumar, Director (Finance), MHRD in the Committee. | Committee constituted and O.M. issued. First meeting was held on 08.07.2019 (Under Progress). Inputs from different stakeholders invited. |
| 19 | **SWAYAM 2.0 Status**   * Status on Migration (from SWAYAM1 to SWAYAM 2) * Regarding migration of courses from SWAYAM 1.0 to SWAYAM 2.0, Prof Andrew agreed that the detailed steps would be shared with all NCs. | Status to be presented by IIT Madras |
| 20 | **Application Service Provider**   * Cloud Transition progress report of M/s CtrlS * Cloud Consumption report (Azure) * YouTube video on new features * Share the best practices and process of uploading videos, tests, assignments to all NCs. * Board also requested IIT Madras to give the facility of participation in discussion forum through SWAYAM mobile app. * To capture the Statistics of Afghanistan students getting enrolled in SWAYAM Courses. | Status to be presented by IIT Madras |

**Agenda Item No. 3**

**Status Report on SWAYAM**

**To be presented by Prof. Andrew Thangaraj, IIT Madras**

**Agenda Item No. 4**

**Review Report on SWAYAM Courses**

**Review Report on Courses**:

Presentation to be made by individual NCs to include the following points:

* No. of courses offered in July 2019 Semester with current status.
* Course wise Details: Enrollments, Course Start - End Date, No. of Videos, No. of Assignments, No. of Tests, Effectiveness of Discussion Forum
* Factors on which delivery of the courses are monitored.
* The NCs should try to offer courses in a packaged manner, which shall make a part of certain degree / diploma programme.
* Action Plan for January 2020 Courses.
* Any other views / comments / suggestions

**Agenda Item No. 5**

**Orchestration of Online Programmes by Universities through SWAYAM**

**Purport**

The Objective of this Note is to seek direction and guidance of the SWAYAM Board and finalise Orchestration of Online Programmes by Universities through SWAYAM.

**Background**

Subsequent to the issue of the Online Courses Regulation dated 04.07.2018, University Grants Commission (UGC) is in the process of approving some Universities for offering Online Programmes through SWAYAM. As the delivery of the Programmes are being done on SWAYAM Platform, there are several administrative and procedural issues which needs to be documented so that there is clarity and uniformity in the approach followed.

**Proposal**

The steps involved in offering of Online Programmes in SWAYAM are as follows:

1. The University Grants Commission (UGC) will inform / intimate the SWAYAM Board about the list of Universities approved for offering Online Programmes along with details of the Programmes.
2. SWAYAM will charge 15% of the fee by the University for offering the Online Programme.
3. The University should ensure that the courses follow the SWAYAM Schedule for January and July Semesters.
4. The University would be responsible for all the Administrative Processes such as Enrolment of Students for their Online Programmes, Collecting the Fees, Keeping Track of the Courses that these students complete, Award of Degrees etc.
5. The Examination for the courses being offered through SWAYAM would be conducted by SWAYAM. The time schedule for question paper setting and other components of examination as envisaged in SWAWAM will be followed by the university.
6. **Evaluation:** Evaluation will be done by University for Internal assessment/ assignments/ tests as per its grading policy. The papers for the Pen & Paper based examination(s) would also be evaluated by the University. The final result will be prepared by the respective University.

1. **Degree / Certificate / Mark sheet:** The respective University shall issue the Mark sheet and Certificate / Degree for the Online Programme.

**Approval Sought**

**The Board may kindly deliberate the above proposal and finalise the steps involved in offering Online Programmes through SWAYAM.**

**Agenda Item No. 6**

**Separate Partition for School Education Courses in SWAYAM**

**Purport**

The objective of this Note is to seek the approval for having a Separate Partition for School Education Courses in SWAYAM.

**Background**

The School Education courses are having different schedule of delivery and teaching pedagogy which separates them from Higher Education Courses as well as the Students/Learners are of different age group. In recent SWAYAM Board meeting NIOS and NCERT also desired a single sign on for their administrative portal and SWAYAM. So for fulfilling the different requirement sets of School Education Courses, it is proposed to have a separate instance for School Education Courses in SWAYAM.

**Approval Sought**

Approval of the Board is sought for having a Separate Partition for School Education Courses in SWAYAM.

**Agenda Item No. 7**

**List of Courses for January 2020 Semester**

**Purport**

The objective of this Note is to finalize the list of courses to be offered in the January 2020 Semester.

**Background**

As per the O.M. dated 06.06.2019 reg. “**Schedule for July and January Semester courses**” , approved by 13th  SWAYAM Board meeting , All National coordinators are requested to submit the list of courses that would be offered during the January 2020 Semesters latest by 5th September,2019.

All NCs were requested to finalize and submit the list of January, 2020 Semester Courses to MHRD so that there will be sufficient time for publicity and approval of the courses in the respective senate / councils of Universities /Institutions.

Also in the earlier SWAYAM Board meetings the Board reiterated the following guidelines while offering SWAYAM Courses which are to be kept in consideration.

(a) Repurposing of courses are not to be encouraged. (b) The courses that are chosen for rerun should have at least 500 enrolments in the earlier run. (c) The course should have the approval of Academic Council. (d) One faculty should not handle more than two courses as Course Coordinator, at a time. (e) Start dates of all the courses should be within 15 days of start of the Semester, so that exams can be planned at the same time. (e) All NCs must strictly follow the timelines of the SWAYAM Schedule as per O.M. dated 06.06.2019.

MHRD has received the list of **98** courses for January 2020 semester from NCs which is attached at **Annexure I.**

* UGC: Not Received
* CEC: 51
* NPTEL: Not Received
* IIM Bangalore : 24
* IGNOU: 23
* AICTE: Not Received
* NITTTR: Not Received

**Decision Sought**

The Board is requested to kindly finalize the list of courses that would be offered during the January 2020 Semester.

**Annexure I**

**List of CEC Courses proposed for January 2020 Semester**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Title of the Course** | **Name of the Course Coordinator** | **Start date** | **End date** | **Host university** | **No of credit of the course** | **No of Modules** | **Repurpose/ Fresh** | **Enrolments in Rerun Courses** |
| 1 | Mughal India **(1550-1605)** | Dr. Debraj Chakraborty | January 13/01/2020 | March 07/03/2020 | St. Xavier's College, Kolkata | 4 | 36 | Repurpose-32Modules + 4 fresh modules |  |
| 3 | Pattern of Capitalism in Europe: C.16th to the 20th C.  **(DSE-B-1)** **UGC CBCS Syllabus** | Kingshuk Chatterjee | January 13/01/2020 | March 22/02/2020 | St. Xavier's College, Kolkata | 2 | 20 | Repurpose-15Modules + 5 fresh modules |  |
| 4 | Emergence of Early Historic India | Souvik Mukhopadhyay | January 13/01/2020 | March 07/03/2020 | St. Xavier's College, Kolkata | 4 | 48 | All Repurpose |  |
| 5 | History of Indian Independence (1857-1950) **CC 13** | Anirban Bandyopadhyay | January 13/01/2020 | March 07/03/2020 | St. Xavier's College, Kolkata | 4 | 41 | All Repurpose |  |
| 6 | Making of Contemporary India **(CBCS GE PIII)** | Dr. Soumitra Sreemani | January 13/01/2020 | March 07/03/2020 | St. Xavier's College, Kolkata | 3 | 31 | Repurpose-25Modules + 6 fresh modules |  |
| 7 | Some Aspects of Society & Economy of Modern Europe 15th – 18th C. **(DSE-B-2) University of Calcutta CBCS Syllabus** | Subhas Ranjan Chakraborty | January 13/01/2020 | March 22/02/2020 | St. Xavier's College, Kolkata | 2 | 20 | Repurpose-14Modules + 6 fresh modules |  |
| 10 | Coordination Chemistry, States of Matter and Chemical Kinetics | Dr. R. N. Jadeja (Associate Professor) | Yet to be decided | Yet to be decided | The M. S. University of Baroda, Vadodara, Gujarat | 4 | 48 | Repurposed | 692 students in last rerun from 21/01/19 to 14/04/19 |
| 11 | Chemical Energetics, Equilibria and Functional Group Organic Chemistry-I | Dr. A. A. Ajmeri (Assistant Professor) | Yet to be decided | Yet to be decided | The M. S. University of Baroda, Vadodara, Gujarat | 4 | 53 | Repurposed | 542 students in last rerun from 14/01/19 to 14/04/19 |
| 12 | Sanskrit Composition and Communication | Dr Shailesh Kumar Tiwari (Associate Professor) | Yet to be decided | Yet to be decided | Uttarakhand Sanskrit University, Haridwar, Uttarakhand | 6 | 56 | Repurposed | 492 students in last rerun from 12/03/18 to 17/06/18 |
| 14 | Advertising | Dr. Lalit Elngle | 14.1.2020 | 14.4.2020 | Devi Ahilya Vishwavidyalaya, Indore | 3 | 38 | Repurpose rerun | 1330 |
| 15 | Computer Networks | Mr. Anand More | 14.1.2020 | 14.4.2020 | Devi Ahilya Vishwavidyalaya, Indore | 3 | 38 | Repurpose rerun | 2723 |
| 16 | Applied Entomology | Dr. B Sannappa | 15.01.2020 | 15.04.2020 | University of Mysore | 04 | 40 | Repurpose |  |
| 17 | Agricultural Geography | Prof. Nagaraj | 15.01.2020 | 15.04.2020 | University of Mysore | 04 | 40 | Repurpose |  |
| 18 | Physical Geography-II (Climatology & Oceanography) | Dr. S.Arun Das | 15.01.2020 | 15.04.2020 | University of Mysore | 04 | 40 | Repurpose |  |
| 19 | Resources and Environmnt | Prof. Subhas Sannashiddaiyyanavar | 15.01.2020 | 15.04.2020 | University of Mysore | 04 | 40 | Repurpose | 992 enrollments last run period from 21.01.2019 to 21.04.2019 |
| 20 | Genetics and Genomics | Dr. Jos T. Puthur | Jan o1, 2020 | April 04, 2020 | University of Calicut | 4 | 44 | Repurpose |  |
| 21 | Probability and Statistics | Dr Aneesh Kumar K | 08 January 2020 | 29 April 2020 | University of Calicut | 4 | 35 | Repurpose | 2040 |
| 22 | Discrete Mathematics | Dr. MINIRANI S | Jan 13 2020 | 04-20 | University of Calicut | 4 | 30 | Repurpose | 1424 students in the last year |
| 23 | Art of C Programming | Dr Lajish VL | 8th Januray 2020 | 15th March 2020 | University of Calicut | 4 | 30 | Repurpose | 1587 |
| 24 | Psychology Of Development And Learning | Dr. A .Hameed, Asst. Professor, Dept of Education, University of Calicut | January 6, 2020 | April 4, 2020 | University of Calicut | 4 | 36 | Repurposed |  |
| 25 | Perspectives on Education | Dr. Ummer Farooque T.K., Asst Professor, Dept of Education, Farook Training College, Calicut | January 6, 2020 | April 11, 2020 | University of Calicut | 4 | 40 | Repurposed | 730 students |
| 26 | Ancient Greek and Medieval Philosophy | Dr.Babu M.N, **Asst Professor, Department of Philosophy,** Sree Sankaracharya University of Sanskrit, Kalady | January 6, 2020 | April 4, 2020 | University of Calicut | 4 | 36 | Repurposed |  |
| 27 | Probability and Statistics | Dr Aneesh Kumar K | 01-20 | 04-20 | University of Calicut | 4 | 35 | Repurpose | 2040 |
| 32 | Fundamentals of Business and Accounting for Managers | Dr.Pradip Prajapati | 06-Jan-20 | 16-Mar-20 | Gujarat University | 2 | 18 | Repurpose | NA |
| 33 | Enviromental Economics | Prof. A. A. Shaikh | 27-Jan-20 | 20-Apr-20 | Gujarat University | 2 | 20 | Repurpose | NA |
| 34 | Organizational behaviour | Dr.Nilam Panchal | 13-Jan-20 | 09-Mar-20 | Gujarat University | 2 | 20 | Repurpose | NA |
| 35 | Evolutionary Biology | Dr.N.K. Jain | 13-Jan-20 | 09-Mar-20 | Gujarat University | 2 | 20 | Repurpose | NA |
| 36 | Statistics for Business Economics | Dr.M.N.Patel | 20-Jan-20 | 15-Mar-20 | Gujarat University | 2 | 20 | Repurpose | NA |
| 37 | Quantitative Techniques for Management | Dr.M.N.Patel | 03-Feb-20 | 29-Mar-20 | Gujarat University | 2 | 20 | Repurpose | NA |
| 38 | Home Science - Extension and Communication Management - Level 2 | Ms. S.L. Kameswari | 02nd March 2020 | 31st May 2020 | EFL University, Hyderabad | 4 | 45 | Repurpose |  |
| 39 | Indian Judicial System: Legal Aid and Environmental Protection | Prof.G.B.Reddy | Jan'2020 | March'2020 | EFL University, Hyderabad | 3 | 30 | Repurpose |  |
| 40 | Intellectual Property Rights and Competition Law in India | Prof.G.B.Reddy | February'2020 | April'2020 | EFL University, Hyderabad | 3 | 30 | Repurpose |  |
| 41 | Human Development and Family Studies | Ms. V. Kavitha Kiran- Assistant Professor | Jan'2020 | March'2020 | EFL University, Hyderabad | 3 | 30 |  |  |
| 42 | Food standards, safety and quality control | Dr. Viparti Vijaya Lakshmi | Jan'2020 | March'2020 | EFL University, Hyderabad | 3 | 30 |  |  |
| 43 | Diet management in health and disease | Dr. Viparti Vijaya Lakshmi | Feb'2020 | April'2020 | EFL University, Hyderabad | 3 | 30 |  |  |
| 44 | B. Ed (English) | Prof. V. Sudhakar Department of Education, EFL University | Jan'2020 | March'2020 | EFL University, Hyderabad | 4 | 40 |  |  |
| 45 | Financial Management | CA Amita Bissa | Jan-20 | Jun-20 | Jai Narain Vyas University Jodhpur | 4 | 40 | Repurpose |  |
| 47 | Macro-economics | Dr. Meeta Nihalani | Jan-20 | Jun-20 | Jai Narain Vyas University Jodhpur | 4 | 40 | Repurpose |  |
| 48 | International Marketing | Dr. Meeta Nihalani | Jan-20 | Jun-20 | Jai Narain Vyas University Jodhpur | 4 | 40 | Repurpose |  |
| 49 | Nutritional and Clinical Biochemistry | Dr. Sunil Senjam Assistant Professor Dept. of Biochemistry Manipur University | Jan-19 | Apr-19 | Manipur University | 4 | 40 | Repurpose |  |
| 50 | Post Harvest Management of Fruits and Vegetables | Dr. Nongallei Pebam Food Safety Officer Govt. of Manipur | Jan-19 | Apr-19 | Manipur University | 4 | 40 | Repurpose |  |
| 51 | Fitness Management | Dr. Maibam Chourjit Assistant Professor Dept. of Physical Education and Sports Science Manipur University | Jan-20 | 03/04/2020 | Manipur University | 3 | 30 | Repurpose |  |

**List of IGNOU Courses proposed for January 2020 Semester**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **New/ Re-Run** | **Course Title** | **Course Coordinator** | **Credits** | **Enrolment in July 19 Session** |
| 1 | Re-run | Food laws and standards | Prof. M. K. Salooja | 4 | 1765 |
| 2 | Re-run | Technology of Fermented, Cheese, Ice-cream and By-products | Prof. M. K. Salooja | 4 | 613 |
| 3 | Re-run | Indian Agricultural Development | Dr. Praveen Kumar Jain | 4 | 1291 |
| 4 | Re-run | Sustainable Management of Biodiversity | Dr. Shachi Shah | 4 | 472 |
| 5 | Re-run | Library Automation and Digitisation | Prof. Uma Kanjilal | 4 | 1562 |
| 6 | Re-run | Introduction to Poultry Farming | Dr. P. Vijaya Kumar | 2 | 617 |
| 7 | Re-run | Design and Facilitation of E-Learning Courses | Dr. G. Mythili | 4 | 1254 |
| 8 | Re-run | Basics of Russian: Communication Skills-Part 1 | Dr. Shivaji Bhaskar | 8 | 1385 |
| 9 | Re-run | Database and Content Organisation | Dr. V. V. Subrahmanyam | 4 | 750 |
| 10 | Re-run | Certificate Course in Environment Sustainability | Dr. M. Rajesh | 0 | 2479 |
| 11 | Re-run | Awareness Programme on Solar Water Pumping System | Mukesh Kumar | 0 | 2814 |
| 12 | Re-run | Commercial Fruit Production: Pomegranate & Guava | Dr. Madhuri Shrikant Sonawane | 1 | 842 |
| 13 | Re-run | Introduction to GST | Dr. Anirban Ghosh | 0 | 8554 |
| 14 | Re-run | Introduction to Cyber Security | Dr. Jeetendra Pandey | 0 | 14089 |
| 15 | Re-run | Information Sources and Library Services | Dr. Archna Shukla | 4 | 805 |
| IGNOU is in the process of offering 8 courses as package for 4 programmes.  1. MA in Hindi 2. Certificate in Tourism Studies 3. Certificate in Russian Language 4. Certificate in Arabic Language Letter of Intent (LOI) received for these programmes | | | | | |
| 1 | New | MHD-02:ADHUNIK HINDI KAVITA | Prof Satyakam | 8 |  |
| 2 | New | MHD-03:UPANAYAS EVAM KAHANIYA | Prof Jitendra Kumar Srivastava | 8 |  |
| 3 | New | TS-1: FOUNDATION COURSE IN TOURISM | Dr Sonia Sharma | 8 |  |
| 4 | New | TS-2: TOURISM DEVELOPMENT PRODUCTS, OPERATIONS AND CASE STUDIES | Dr Arvind Kumar Dubey | 8 |  |
| 5 | New | ORU-001: COMMUNICATION SKILLS-I | Dr Shivaji Bhasker | 8 |  |
| 6 | New | ORUL-002 :COMMUNICATION SKILLS-II | Dr Shivaji Bhasker | 8 |  |
| 7 | New | BAL-001: BASICS OF ARABIC | Dr Mohammad Saleem | 8 |  |
| 8 | New | BAL-002: COMMUNICATION SKILLS | Dr Mohammad Saleem | 8 |  |
| IGNOU will also be offering following 4 programmes under e-Vidya Bharti Arogya Bharti (e-VBAB) 1. MBA 2. BCA 3. MCA 4. Certificate in Tourism Studies | | | | | |

**List of IIM Bangalore Courses proposed for January 2020 Semester**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Name of course** | **Institute/ University** | **Credit/ Non Credit** | **Course Coordinator** | **Start date of the Course** | **End date of the Course** | **Type of course** | **PRA** |
| 1 | New Product Development | IIMB | Credit | Ganesh N Prabhu | Jan | April | Re Run | Divya Gupta |
| 2 | Introduction to Retail Management | IIMB | Credit | Ashis Mishra | Jan | April | Re Run | Vijaya |
| 3 | Brand Management | IIMB | Credit | Preeti Krishnan Lyndem | Jan | April | Re Run | Smit Shreya |
| 4 | Managing Innovation | IIMB | Credit | Rishikesha T Krishnan; Vinay Dabholkar | Jan | April | Re Run | Shweta |
| 5 | Management Accounting for Decision Making | IIMB | Credit | MS Narasimhan | Jan | April | Re Run | Madhushree |
| 6 | Financial Accounting and Analysis | IIMB | Credit | Padmini Srinivasan | Jan | April | Re Run | Madhushree |
| 7 | Strategic Management | IIMB | Credit | PD Jose; Rejie George; Sai Yayavaram | Jan | April | Re Run | Deepika |
| 8 | Strategy and the Sustainable Enterprise | IIMB | Credit | PD Jose | Jan | April | Re Run | Deepika |
| 9 | Customer Relationship Management | IIMB | Credit | Shainesh G | Jan | April | Re Run | Sai Kumar |
| 10 | Introduction to Marketing Essentials | IIMB | Credit | Ashis Mishra | Jan | April | Re Run | Girish |
| 11 | Creating Happy and Meaningful career | IIMB | Credit | Ramya Ranganathan | Jan | April | Re Run | Dinesh |
| 12 | Effective Business Communication | IIMB | Credit | Bringi Dev; Rakesh Godwani | Jan | April | Re Run | Chandraprabha |
| 13 | Organizational Design : Creating Competitive Advantage | IIMB | Credit | Sourav Mukherji | Jan | April | Re Run | Vijaya |
| 14 | Introduction to Managerial Economics | IIMB | Credit | Subhashish Gupta | Jan | April | Re Run | Mayurakshi |
| 15 | Operations Management | IIMB | Credit | B Mahadevan | Jan | April | Re Run | Prabhu |
| 16 | Intellectual Property Rights: A Management Perspective | IIMB | Credit | Damodaran A | Jan | April | Re Run | Mariyappan |
| 17 | Introduction to People Management | IIMB | Credit | Vasanthi Srinivasan | Jan | April | Re Run | Vijaya |
| 18 | Introduction to Banking and Financial Markets. | IIMB | Credit | PC Narayan | Jan | April | New |  |
| 19 | Banking and Financial Markets: A Risk Management Perspective. | IIMB | Credit | PC Narayan | Jan | April | New |  |
| 20 | Predictive Analytics | IIMB | Credit | Dinesh Kumar | Jan | April | New | Satya |
| 21 | Consumer Buying Behaviour | Wellingkar | Credit | Ashish V Hathi | Jan | April | Re Run | Wellingkar |
| 22 | Marketing and Innovation | IILM | Credit | Smitha Girija | Jan | April | Re Run | IILM |
| 23 | Innovation and Start-up Policy | IILM | Credit | Rahul Kumar Mishra | Jan | April | NEW | IILM |
| 24 | Manufacturing Competitiveness | QCI | Credit | Shishir Bharadwaj | Jan | April | Re Run | QCI |

**Agenda Item No. 8**

**Development of 10 Episode Web Series on Ayurveda**

**Submitted by UGC / CEC**

Dr. Sai Paranjpye a reputed Actor and Film Producer proposed to develop 10 Episode Web Series on Ayurveda.

She submitted the concept of “Ayushman Bhava” and Synopsis of 10 Episodes along with expenditure heads and cost per episode as attached at **Annexure II**.

**Annexure II**



**Financial Proposal for 10 Episode Web Series on Ayurveda:**

1. Budget Detail Per Episode for 4 Days Shooting Per Episode.

2. Unit Size 34 Persons Including Crew and Cast

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Expenditure Head** | | | **Honorarium / Expenditure** | **Honorarium /Expenditure For 4 Days** | **(Per Day /Per Program)** |
|  | **Payment to members of Crew- As per UGC approve rates** | | | | | |
|  |  | Writer | | Rs. 12,000 | Rs. 12,000 | Per Program |
|  | Director | | Rs. 20,000 | Rs. 20,000 | Per Program |
|  | Cameraman | | Rs. 4,000 | Rs. 16,000 | Per Day |
|  | Sound Recordist | | Rs. 3,000 | Rs. 12,000 | Per Day |
|  | Panel Engineer | | Rs. 3,000 | Rs. 12,000 | Per Day |
|  | Editor | | Rs. 3,000 | Rs. 12,000 | Per Day |
|  | Light Boys | | Rs. 1,500 | Rs. 6,000 | Per Day |
|  | Boom man | | Rs. 750 | Rs. 3,000 | Per Day |
|  | Assistants | | Rs. 3,000 | Rs. 12,000 | Per Day |
|  | Spot Boys | | Rs. 750 | Rs. 3,000 | Per Day |
|  | Camera Attendant | | Rs. 1,500 | Rs. 6,000 | Per Day |
|  | Production Controller | | Rs. 12,000 | Rs. 48,000 | Per Day |
|  | **Sub Total** | | | | **1,62,000** |  |
|  | **Equipment(hire)- Market Rates** | | | | | |
|  |  | Camera (3 Camera setup) | | 9000 | Rs. 36,000 | Per Day |
|  | Control Panel | | 5000 | Rs. 20,000 | Per Day |
|  | Mikes | | 500 | Rs. 2,000 | Per Day |
|  | Reflectors | | 200 | Rs. 800 | Per Day |
|  | Lights | | 800 | Rs. 3200 | Per Day |
|  | TV Panel | | 200 | Rs. 800 | Per Day |
|  | Location Hire | | | On demand | Rs. 100,000 |  |
|  | Editing Room Hire | | | 5000 | Rs. 20,000 | Per Program |
|  | **Sub Total** | | | | **1,82,800** |  |
|  | **Logistics** | | |  |  |  |
|  | 5.1 | | Transport |  | Rs. 50,000 | Per Program |
|  | 5.2 | | Food & Refreshments |  | Rs. 1,00,000 | Per Program |
|  | 5.3 | | Stay(accommodation) of the crew and cast, out of town for 10 Room (sharing basis) | Rs. 3,000 per day | Rs. 1,20,000 |  |
|  | **Sub Total** | | | | **Rs. 2,70,000** |  |
|  | **Properties and Production Items** | | |  |  |  |
|  | 6.1 | | Costumes |  | Rs. 50,000 |  |
|  | 6.2 | | Properties |  | Rs. 50,000 |  |
|  | 6.3 | | Charts, Graphic, Animation, Titles | Rs. 3,000 | Rs. 12,000 |  |
|  | 6.4 | | Make-up | Rs. 3,000 | Rs. 12,000 |  |
|  | 6.5 | | Music | Rs. 10,000 | Rs. 10,000 |  |
|  | **Sub Total** | | | | **Rs. 1,34,000** |  |
|  | Cast (appx. 10 actors per episode @ 12,000 per actor) | | |  | Rs. 1,20,000 | Per Program |
|  | Contingency Expenses | | |  | Rs. 1,00,000 |  |
| **Estimate Budget (Per Episode)** | | | | | **Rs. 9,68,800** | |
| **Total Budget for 10 Episodes: 10 X 9,68,800** | | | | | **Rs. 96,88,000/-** | |

**Agenda Item No. 9**

**Proposal for Development of Open Education Resources (OER)**

**For Higher Education**

**Submitted by UGC**

**Making Higher Education Accessible and Affordable**

**Introduction**

MHRD has taken lead in developing MOOCs through SWAYAM but that seems to be the only type of OER developed today (earlier IITs developed animations etc. under NMEICT). There are many other types of OER which need to be developed and made available to our UG and PG students free of cost.

**Open Education Resources and OER Movement**

The concept of Open Educational Resources (OER) was originally coined during the UNESCO Forum on Open Courseware for Higher Education in Developing Countries held in 2002. Since then the term OER has captured interest in academic and policy-making circles to improve delivery of and access to higher education around the world.

Several Open Education initiatives, namely, learning objects, interoperable standards (IMS, LOM, SCORM), open content, open publication license, Creative Commons Licenses, MIT Open Courseware, the term OER, Open CourseWare Consortium, Open Learn (UK Open University), Cape Town Open Declaration, Dakar Declaration of Open Educational Resources, COL and UNESCO guidelines on OER in Higher Education, UNESCO, COL, Hewlett Foundation World OER Congress etc. have augmented the OER movement.

In 1994, Wayne Hodgins coined the term “Learning Object”. The 3Rs – Reduce, Repurpose, Recycle popularized learning objects among educators. IEEE defines a learning object as “any entity—digital or non-digital—that may be used for learning, education, or training.” In order to make learning objects interoperable, various organizations started developing technical standards, such as IMS, LOM, and SCORM etc.

In 1998, David Wily coined the term “Open Content”. Open content movement is a big milestone in the history of OER, as it paved the way for creation of the Open Publication License (OPL, 1999). OPL is the first widely adopted open licensing system for content sharing.

In 2001, Lawrence Lessig and others with the support of the Center for the Public Domain, founded the Creative Commons (CC). In 2002, Creative Commons released the first set of free copyright licenses. CC licenses enabled educators to publish their works on public domain for certain uses and on certain conditions. This is another milestone in the development of OER, as CC licenses have minimized legal, technical and social barriers to share and reuse educational materials and made universal access to education possible.

In 2001, MIT with the support of the Hewlett Foundation announced its Open CourseWare (OCW) initiative to make university courses access free to public for non-commercial use. This remains as an exemplary milestone in the history of OER, reflecting institutional commitment to the movement.

In 2002, UNESCO (UNESCO, 2002) Forum on the Impact of Open Courseware for Higher Education in Developing Countries recommended the term “Open Educational Resources” (OER), as an alternative to open courseware, open learning resources, and open teaching/learning resources. The forum defined OER as “technology-enabled, open provision of educational resources for consultation, use and adaptation by a community of users for non-commercial purposes.”

**OER Definition**

The UNESCO and William and Flora Hewlett Foundation definitions are the most-widely adopted definitions in the OER movement. UNESCO (2011[[1]](#endnote-1)) defines OER as “any educational resources (including curriculum maps, course materials, textbooks, streaming videos, multimedia applications, podcasts, and any other materials that have been designed for use in teaching and learning) that are openly available for use by educators and students, without an accompanying need to pay royalties or licence fees”.

William and Flora Hewlett Foundation[[2]](#endnote-2) defines Open Educational Resources as “teaching, learning, and research resources that reside in the public domain or have been released under an intellectual property license that permits their free use and re-purposing by others. OER include full courses, course materials, modules, textbooks, streaming videos, tests, software, and any other tools, materials, or techniques used to support access to knowledge”.

One key difference between an OER and other educational resource is its open license. In simple terms, Open Educational Resources (OER) can be defined as teaching and learning material issued under an open license, i.e. Creative Commons License that spells out how the resource permits users reuse, modify, remix and redistribute in whole or in part, without paying royalties or license fees.

**Creative Commons Licenses**

Creative Commons is a non-profit organization that enables the sharing and use of creativity and knowledge through free legal tools. Inspired by the Free Software Foundation’s GNU General Public License (GNU GPL), the Creative Commons (CC) developed its licenses and released its first set of copyright licenses for free to the public in December 2002. Using this simple licensing model, authors / creators release their work with a generic license that will act as permission in advance.

Creative Commons (CC) Licenses are a set of open content licenses that allow use, reuse and distribution of materials and offer a simple and clear information about the permissions that other people can and cannot do with that work. CC Licenses allow author or creator of a work to release some rights and minimize legal, technical and social barriers to sharing and reusing educational materials. CC Licenses are a set of open content licenses that allow use, reuse and distribution of materials and offer a simple and clear information about the permissions that other people can and cannot do with that work.

**Creative Commons License Suite**

Creative Commons offers a core suite of six open licenses[[3]](#endnote-3). All six licenses require users provide attribution (BY) to the author / creator while using or sharing the material.

* **CC BY:** The **Attribution** **License** lets others distribute, remix, tweak, and build upon the work, even commercially, as long as they credit the original creator / licensor. This is the most accommodating of licenses offered and is recommended for maximum dissemination and use of licensed materials.
* **CC BY-SA:** The **Attribution-ShareAlike License** lets others remix, tweak, and build upon the work even for commercial purposes, as long as they credit the creator and license their new creations under the identical terms.
* **CC BY-ND:** The **Attribution-NoDerivs License** allows for redistribution, commercial and non-commercial, as long as it is passed along unmodified and in whole, with credit to the creator.
* **CC BY-NC:** The **Attribution-NonCommercial License** lets others remix, tweak, and build upon a work non-commercially, duly acknowledging the creator.
* **CC BY-NC-SA**: The **Attribution-NonCommercial-ShareAlike License** lets others remix, tweak, and build upon the work non-commercially, as long as they credit the creator and license their new creations under the identical terms. The “Share alike” only applies to derivative works and is incompatible with “No derivative works”.
* **CC BY-NC-ND**: The **Attribution-NonCommercial-NoDerivs License** is the most restrictive of six licenses, only allowing others to download the work and share with others as long as they credit the licensor / creator, but they cannot change them in any way or use them commercially.

**OER-Integrated Teaching Learning**

OER-integrated teaching provides educators with the flexibility to choose and remix individual resources and assemble them in unique ways to develop a course of study. Various academic institutions across the globe have engaged in various OER-related projects, such as Open Courseware, Open Textbook Projects and OER-based Degree Programmes. The MIT Open Courseware, John Hopkins Open Courseware, Tufts OCW are the popular Open Courseware Projects and the Rice University’s OpenStax[[4]](#footnote-1) and British

Columbia University’s Open Textbook Project[[5]](#footnote-2) are the successful Open Textbook projects. An OER degree programme that eliminates textbook costs for students is labeled as “Z-Degree”, wherein the Z stands for “zero textbook costs.” Tidewater Community College (TCC), Northern Virginia Community College (NOVA), the Virginia Community College System, the Washington State Community College System, Thomas Edison State College, and the University System of Maryland etc. offer Z-Degree programmes[[6]](#endnote-4).

**Integrating OER with Teaching-Learning**

Teachers can integrate OER with teaching-learning in the following ways to:

* improve existing teaching-learning materials by substituting with OER
* create new part of materials by using or re-purposing OER
* enhance an existing course
* create new courses by using, re-using and repurposing OER
* assign OER-based learning activities and assessment (renewable assignments[[7]](#footnote-3) - assigning students to create, revise, or remix OER) tasks to students to enhance their learning experience

**Types of OER**

* **UNISA has suggested following Content types which can guide for development of OER**

Images and Audio resources

Books in the public domain

Video and Audio lectures

Interactive simulations

Game based learning programmes

Lesson Plans

Textbooks

Online course curricula

Professional learning programme

<http://libguides.unisa.ac.za/c.php?g=507617&p=3505997>

* **OER Commons has suggested categorised OER into following types**

Activity/Lab Assessment Case Study Game

Data Set Diagram/Illustration Full Course

* **MERLOT has suggested about 22 types**

Animation  Assessment Tool  Assignment  Case Study

Collection  Development Tool  Drill and Practice

ePortfolio  Online Course  Online Course Module Open (Access) Journal - Article  Reference Material

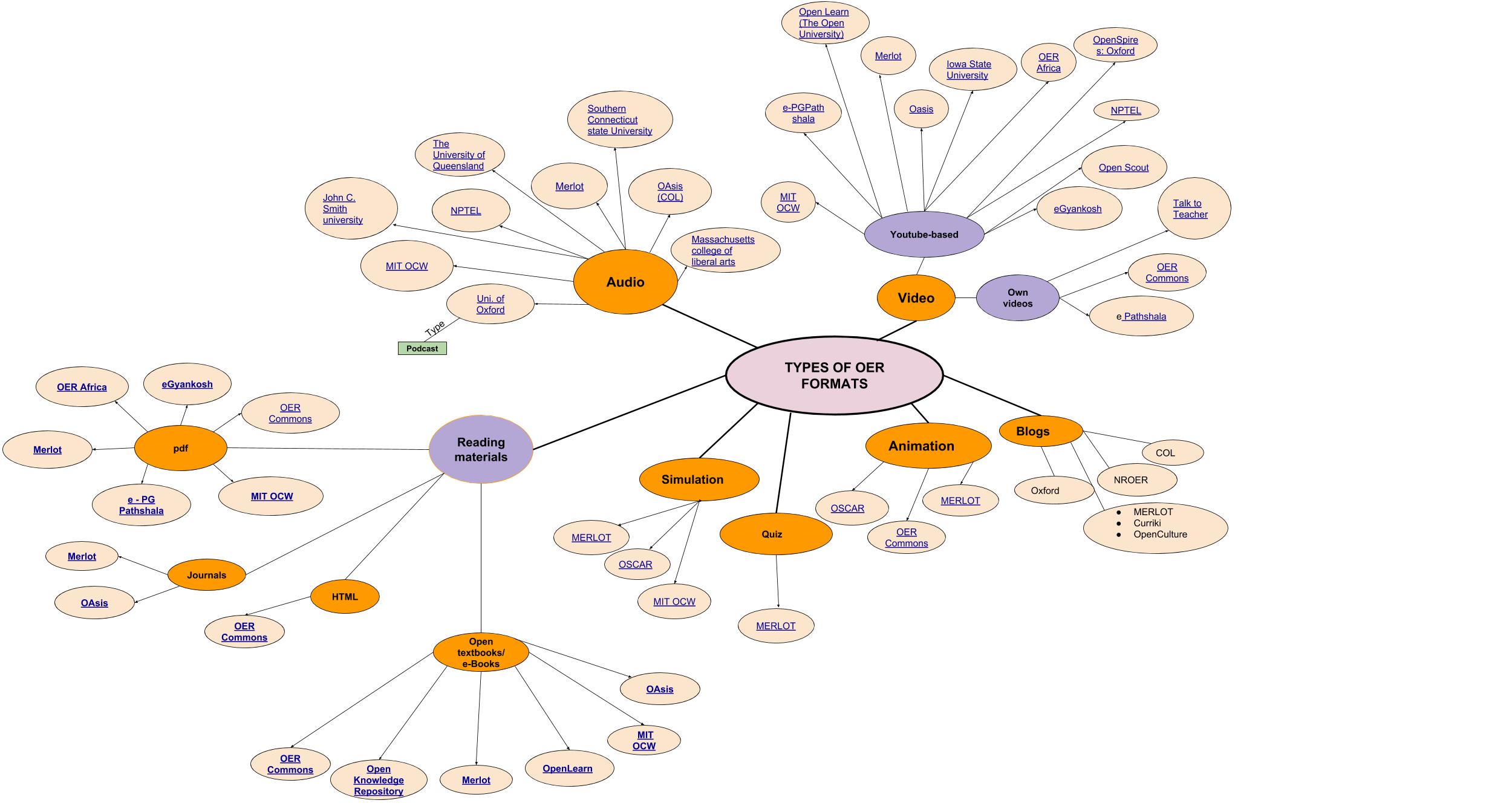
Simulation  Social Networking Tool Syllabus

Tutorial  Workshop and Training Material

Presentation Quiz/Test  Open (Access) Textbook

Hybrid/Blended Course  Learning Object Repository

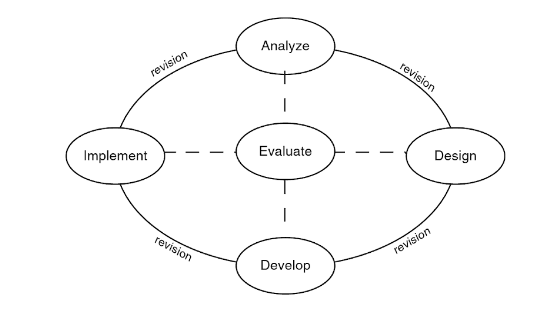
<https://www.merlot.org/merlot/materials.htm?sort.property=overallRating>



High quality OER including a short duration MOOC, Pressbook, Workshop Material, Charts-posters on various issues related to content areas, and many other types of OER.

**Process of development of OER**

**ADDIE Approach**



**FIGURE 5.1: The** ADDIE approach (Branch, 2009)

1. **Analysis** – This phase forms the base for all the phases in the ADDIE approach. It begins with the need analysis i.e. identification of problem, identifying gaps in the existing system along with goals and objectives. Learner analysis, content analysis and context analysis are also performed during this phase. The investigator performed learner, content and context analysis thoroughly, framed objectives of the MOOC on “ICT Integration in Higher Education” using Bloom’s Taxonomy.

**The developer need to conduct the following**

* Target Audience Analysis
* Content Analysis
* Context Analysis

1. **Design** – This is the phase where conceptualising of the entire course begins. A structured outline, aligning learning objectives with assessment, content chunking and media selection etc. forms the core of this phase. The investigator created the course outline, course level objectives, week wise objectives, detailed content analysis and chunking of the content and selection of media for the content.

* Course design
* Content design

1. **Development** – Actual development of the course takes place in this phase. The investigator created tutorials, videos, step-by-step guides, user manuals, etc. during this phase. The course was created on Moodle by DET. The investigator uploaded the developed course content on the LMS – Moodle, checked the working of each file, link, evaluation – quizzes, working of discussion forum etc. and did pilot testing as well as conducted the MOOC.

* Content Development
* Course Development

1. **Implementation** – This phase involves pre or pilot testing of the course and post-bug fixation. This is followed by actual implementation of the course. During this phase the investigator conducted the course and collected data.
2. **Evaluation –** This phase includes two sub phases viz. formative and summative evaluation. Formative evaluation was included in each week to observe the progress of the participants hence the efficacy of the instructional strategy whereas summative evaluation was at the end of course to evaluate the knowledge building of the participants. Formative and Summative evaluation strategies were designed to test the achievement of learning objectives.

**Training in development of OER**

The developers who volunteers to develop OER under this project will be invited to participate a 3-week course (in blended mode: 1 week in face to face and 2 weeks in online mode) which will give them more confidence in developing the high quality OER and not necessarily only an online course. They will be introduced to various types of OER and the importance of maintaining quality.

Teaching Learning Centre (TLC) under the Department of Educational Technology, SNDT Women’s University will take the responsibility of offering this 3-week course on Development of OER. There will be no fees as this will be conducted under PMMMNMTT.

Due recognition will have to be given to TLC for their support. This certification should be equivalent to one Refresher Course. If any of the developers do not require to do this course, then they can be certified for one refresher course after successfully completing the OER development project.

**Selection of Mentors**

In India the OER Movement is taking roots now. There are experts in this field though in small number, need to encouraged to undertake mentoring for the new entrants in the field. Development of OER is a scientific process and various models of Instructional Design are employed for different types of OER.

A list of Mentors will be prepared and those who accept the invitation, will be invited to one-day online workshop on Mentoring OER Developers.

**Certification and CC Licence**

All the OERs developed will have appropriate CC License for the same.

The developers of short term MOOCs will be expected to offer the course, the textbook developers will be expected to publish it and this is also true for all other types of OER developed through this Project.

The developers therefore will need some kind of branding to be used on the OER as well as in certification (credits, badges etc.). UGC may think of appropriate brand for the same well in advance so that it can be used on the OER. This will increase the value and probability of using the OER. (It is observed that Reuse of OER is limited unless the quality is certified).

We can encourage the teaching faculty to reuse the OERs developed in their day to day teaching wherever appropriate.

**Workshop on Sharing of Experiences on Development of OER**

Designing and developing an OER is an enriching experience for both the developer and the Mentor. The whole journey of development and implementation/deployment of OER and getting feedback from the users is also a learning experience for the team of Developer-Mentor. These experiences need to be shared among all so that a Community of Practices will be formed and the rich experiences get shared and also owned. The errors, shortfalls, challenges also need to be shared so that in the next step they can be reduced.

In order to share these experiences, a 4-day workshop will be planned at the end of 6 months sometime in May or June 2020. This can be organised at a picturesque place like Gangtok, Leh (Laddakh), Dharamshala or Manali or Andaman-Nikobar Island so that all the delegates from India and abroad enjoy the learning, sharing experiences wholeheartedly and also enjoy the serene environment.

All Developers (30) and their Mentors (30), 5 Experts (Resource Persons) for workshop from India and at least 5 from outside India will be invited for the workshop.

Out of 30 developers at least 4-5 could be from outside India (may be other Asian countries). There can be 5 Observers invited as well as 5 persons to assist in conducting the workshop. Total 80 participants will be invited to this Sharing workshop.

**Suggested expenditure**

|  |  |  |  |
| --- | --- | --- | --- |
| **Items of Expenditure** | **Number** | **Average cost/ person** | **Total amount** |
| Travel of Indian delegates | 25 Developers, 30 Mentors : Total 55 | Rs. 15000 | 8,25,000 |
| *Travel of Foreign delegates (their Mentors will be from India)* | *5 Developers* | *Rs. 40000* | *2,00,000* |
| Travel of Indian Resource Persons | 5 | Rs. 15000 | 75000 |
| Travel of Foreign Resource Persons (Europe, Canada, USA) | 5 | Rs. 100000 | 5,00,000 |
| Accommodation of Foreign Resource Persons for 5 days | 5 (Rs. 10000 average per day) | Rs. 50000 | 2,50,000 |
| *Travel for Other persons (Assistants, Observers etc. from India)* | *10* | *Rs. 15000* | *1,50,000* |
| \*Accommodation for 5 days  (Excluding foreign resource persons) | 75 (Rs. 1000 average per day) | Rs. 5000 | 3,75,000 |
| Dinner and other logistics for delegates | For 75 | Rs. 3000 | 2,25,000 |
| Conference expenses for 4 days | For 80 | Rs. 2000 | 1,60,000 |
| **Total Cost** |  |  | 27,60,000 |

\*The workshop may be organised at a Central University campus so the cost of Accommodation can be reduced.

*The developers from other Asian countries is a new addition. Similarly, 10 more persons (Observers and Assistants) is a new addition.*

The cost can be reduced by reducing the numbers from appropriate categories.

**Cost per OER will be Rs. 92,000/-**

1. If we plan to give honorarium to Mentors (say about Rs. 10000 per developer) the cost will be about **Rs. 30\*10000= 3,00,000**
2. If you plan to pay honorarium to Coordinator (or a Team of Organisers against consultancy and administrative expenses) then Rs. 3,00,000 can be added.
3. There will be expenses on development of website and continuously updating it for 8-10 months. We can pay an honorarium to technical assistant at Teaching Learning Centre of Department of Educational Technology, SNDTWU or to any other organisation per month (say Rs. 15000 pm) then add Rs. 1,50,000

Total cost will then be increased to about **Rs. 35,10,000**

**Time Frame (Tentative)**

The project will have following phases

|  |  |  |
| --- | --- | --- |
| Phase I | * 1. Creation of website for the project   2. Announcement of OER Development project   3. Applications are invited on google form placed on website   4. Last date for receiving applications   5. Scrutiny of applications   6. Informing the prospective Developers | October 2019 |
|  | * 1. Announcement for the Mentors   2. Applications are invited on google form placed on website (with short biography related to work in OER Development)   3. Selection of Mentors   4. Pairing of Developers and Mentors | October 2019 |
| Phase II | * 1. The selected Developers will take 3-week Blended Course (one-week f-2-f and 2 weeks online) on OER Development. This will be designed, developed and offered by TLC, Department of Educational Technology, SNDTWU, Mumbai   2. Submission of OER Development Proposal by the Developers   3. One-day Discussion meeting with all the Mentors on the objectives of the project and their role as Mentor.   4. Assigning Developers to Mentors (Team of two is formed) | November 2019  December 1st week  November 2019  December 2nd week |
| Phase III | 1. Organiser conducts Skype meeting with Developer and Mentor. Finalise the topic and type of OER to be developed by the Developer. 2. During Skype meetings the steps and tentative dates for OER development process and shared. 3. Developer shares time frame of his/her project | December 3rd week |
| Phase IV | 1. Development of OER continues 2. Completion of development of OER 3. Deployment of OER (e.g. a MOOC) | Jan-April 2020  Start date Jan 1  May 2020 |
| Phase V | 1. Collect feedback from the learners or users 2. Prepare a report 3. Prepare presentation of report at the workshop | June 1st week 2020 |
| Phase VI | 1. Organisation of Sharing Workshop | June 3rd week 2020 |

Butcher, Neil; Kanwar, Asha; Uvalic-Trumbic, Stamenka (2015). Guidelines for Open Educational Resources in Higher Education. Paris: UNESCO

OER Defined. Retrieved from http://www.hewlett.org/strategy/open-educational-resources/

Creative Commons Licenses. Retrieved from https://creativecommons.org/licenses/

Z as in zero: Increasing college access and success through zero-textbook-cost degrees. Retrieve from:

http://www.hewlett.org/z-as-in-zero-increasing-college-access-and-success-through-zero-textbook-cost-degrees/

**Thank You**

1. [↑](#endnote-ref-1)
2. [↑](#endnote-ref-2)
3. [↑](#endnote-ref-3)
4. OpenStax. https://openstax.org/subjects [↑](#footnote-ref-1)
5. BC Open Textbooks. https://open.bccampus.ca/find-open-textbooks/ [↑](#footnote-ref-2)
6. [↑](#endnote-ref-4)
7. Wiley (2016). Towards renewable assessments. https://opencontent.org/blog/archives/4691 [↑](#footnote-ref-3)