UGC Human Resource Development Centre
Pt. Ravishankar Shukla University, Raipur

ONLINE
Workshop on MOOCs, Online Courses and OER
February 14 to 19, 2022
Report

Name of Course/Program	**ONE WEEK WORKSHOP ON MOOCS,ONLINE COURSES AND OPEN EDUCATIONAL RESOURCES**
Name of Contact person from HRDC	Dr. Arvind Agrawal
Date of Course/Program	14.02.2022 to 19.02.2022
Name of Course Coordinator	Prof. Sanjay Tiwari Professor, Head & CoordinatorInstitute of RETM Pt. Ravishankar Shukla University, Raipur
Theme of Course/Program	Multidisciplinary Refresher Course in Biotechnology
Number of Participants	41
State wise number of participants:	Chhattisgarh– 22, Telangana– 08, Madhya Pradesh– 04, Maharasthra- 03, West Bengal– 01, Tamil Nadu– 01, Gujarat- 01, Uttar Pradesh - 01
Gender wise number of participants:	Male: 16, Female: 25
Number of Resource Persons	14
Signature of the Course Coordinator	

Prof. Sanjay Tiwari Professor, Head & Coordinator Institute of RETM Pt. Ravishankar Shukla University, Raipur	**Dr. Arvind Agrawal Assistant Professor Human Resource Development CentrePt. Ravishankar Shukla University Raipur**

Organizing Team

Prof. K. L. Verma
Vice Chancellor
Pt. RSU, Raipur (C.G.)

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Director
HRDC, Pt. RSU, Raipur (C.G.)

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Course Coordinator:
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ABOUT THE WORKSHOP

The development of any nation depends mainly on the standards of its educational institutions. A teacher has a prominent role to change the society .At present, digital learning is playing a pivotal role in teaching learning, research and extension. The role and responsibilities of a teacher is changing from time to time. At international level the UN, UNESCO and EU are stressing the need of ICT integrating teaching. At the same time, the Government of India, MHRD, UGC, AICTE, NCERT and NCT are stressing the need ofOnline Learning and integration of ICT in teaching, learning and thinking.

OBJECTIVES OF THE WORKSHOP

Teaching-learning process works on Push-Pull theory. While the text books pushthe knowledge and questions to learners, the web based open learning resources pull the knowledge and questions from the learners. To make the best use of Information and communication technology (ICT) for teaching-learning is the demand of this digital world.

By and large, teachers" role has been shifted from the knowledge creator to the knowledge facilitator and for the same Open Education Resources (OER) can play the vital role. In the modern information rich era, the role of a teacher is vital in selecting the particular information available as resources and process it in to the knowledge and ultimately to the wisdom.

With the advent of technology, e-learning is rapidly gaining importance and momentum. With the government aiming at digitizing India with its „Digital India" initiative, educational institutes are also working in tandem to help fulfill the goal. Massive Open Online Courses (MOOC) are fast gaining popularity among students and working professionals as they help them study at their convenience and time. Massive Open Online Courses (MOOCs) are the modern day learning-platforms for the inquisitive minds, who wish to learn right from the comfort of their study-desks. Despite the physical distance between the mentor and the apprentice this mode of learning offers constructive interactions through technological aid.

In view of this UGC HRDC PRSU, Raipur has conducted an online workshop on "MOOCs, Online Courses and Open Educational Resources" for College and University teachers during 14-19 February,2022 between 10:30 to 17:30 hrs.

NEED OF THE PROGRAMME

The Covid-19 Pandemic hit unprecedented crises has led Education sector to go for a push in its acquisition and process of knowledge and its application. At this juncture the MOOC is considered on the one hand as a panacea for education and on the other as a defilement of the sanctity of the higher education tradition. The truth will probably lie somewhere in between, and we must explore the potential of MOOCs to create a model of simultaneously teaching on-site and off-site learners, using synchronous and asynchronous teacher learner interactions to deliver high quality learning to large numbers, maybe evolve a model for a classroom of thousands of learners. Universities and Colleges are encouraged to make use of SWAYAM Online platform for learning. University Grant Commission,

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Govt. of India is also encouraging the faculty members to submit their expression of Interest for developing Under Graduate and Post Graduate courses for SWAYAM platform. For faculties of Universities and Colleges to develop Online Courses, they require training so that they can design and develop Quality Online courses based on the SWAYAM Guidelines. Hence, there is a necessary for development of an online training course on SWAYAM, which will be able to motivate and guide step by step procedure for development of courses for SWAYAM. This MOOC will build the capacitiesof the faculty members to develop and deliver Courses not only on SWAYAM platform but also through institutional LMS.

The Workshop will be inaugurated by Prof. Kannan M. Moudgalya IIT Bombay who is a philosopher, thought leader, scientist and Lead Coordinator of Free and Open Source Software in Education & Spoken Tutorials Projects at IIT Bombay and renowned forexceptional and path-breaking contributions in digital revolution in Education through ICT.He has been a Member of the Standing Committee of the National Mission on Education through ICT, MHRD GOI.

The workshop was attended by faculty members across the country from Coimbatore, Hyderabad, Karnataka Madhya Pradesh, Maharashtra and 26 from all parts of Chhattisgarh. and involve a good interaction between the resource-person and the audience.

The main objective of the workshop was to sensitize the teaching faculty of collegesand universities about the advantages of e-learning and to encourage them towards planning, designing, developing, delivering and implementing MOOCs and other Open Educational Resources (OER)so that they can keep pace with digital revolution of the twenty first century in which technology is blended with traditional teaching-learning pedagogies for better learning outcomes. The workshop is designed to raise the capacity of the faculty to use MOOC platform for effective delivery of courses in higher education in blended as well as online modes. This workshop is a great starting point for effective teaching in the 21stcentury learning environment.

The workshop covered hands on training on tools for Online Teaching, Learning and Assessment with Open Educational Resources, Education Technology Tools and Moodle MOOC Platform" was to improve the quality of education and raise Gross Enrolment Ratio (GER).

The participants got fair idea about LMS and MOOCs Platform configuration & its customization and course flow activities. Moreover, the workshop will provide extensive hands-on training on installation and configuration of MOOCs Platforms. The Workshop intends to provide exhaustive information and hands-on training on e-learning and platforms for massive open online courses to faculty members working in university/colleges who are interested in e-learning and electronic content creation. During the workshop, information about open online courses on these platforms, various formats, text transcription, credit transfer schemes, joint collaborations between the institutes and industries with SWAYAM was given.

Prof K L Verma Vice Chancellor said on the occasion that as we continue to shape the future of learning

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and redefine education at a 21st-century teaching and research university, we are excited to organize this workshop that will allow faculty to explore new opportunities to advance online pedagogy, create more diverse and inclusive learning environments, engage in research, and increase access to academic excellence at Pt.Ravishankar Shukla University. He further added "I highly encourage faculty to explore potential opportunities to experiment with digital education and engage with other faculty and experts on campus." We are also the first in the Central India to frame Regulation for Swayam program."
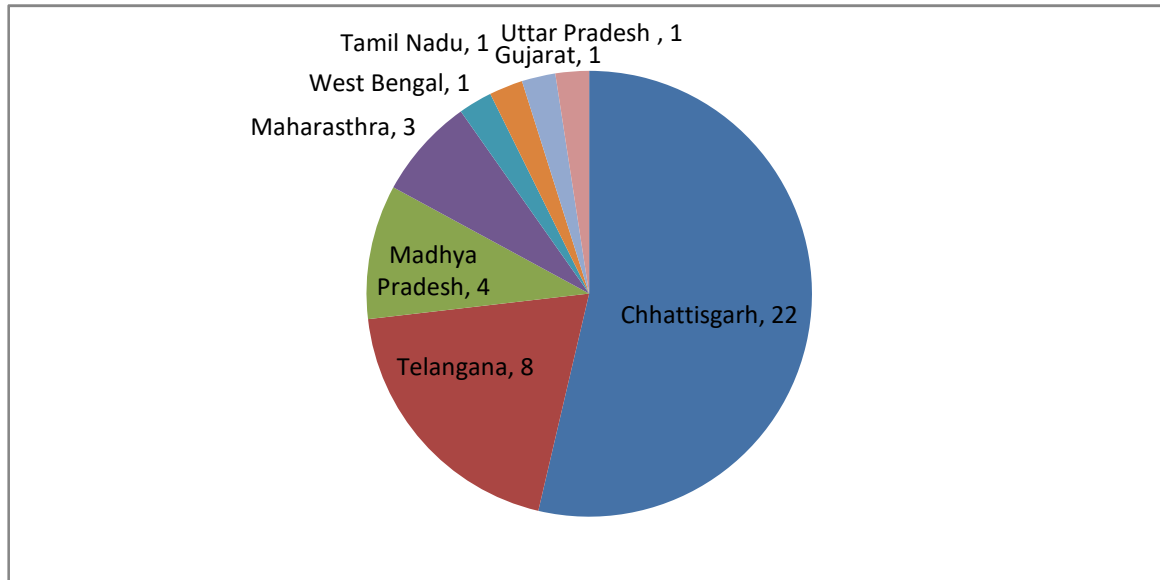
The Director UGC HRDC PRSU said Ministry of Education as embarked on a major and new initiative called 'Study Webs of Active Learning for Young Aspiring Minds'

(SWAYAM), which provides one integrated platform and MOOCs (Massive Open Online Courses) portal for online courses, using Information and Communication Technology (ICT) and covering all higher education subjects and skill sector courses. Till date over and above the 25 lakh students/learners who are already enrolled in the 571 courses of the January 2020 semester of SWAYAM. SWYAM has about 1900 courses which can be accessed by people in over 60 countries. The videos of the SWAYAM Prabha DTH TV channels are viewed by around 50,000 people every day. Credit transfer facility up to 20% is enabled through the notification issued by UGC/AICTE- „Credit Framework for online learning courses through SWAYAM Regulation 2016". It is the endeavor of MOE to align the courses on the SWAYAM portal with the curriculum of Universities said Dr Shailendra Saraf Director HRDC
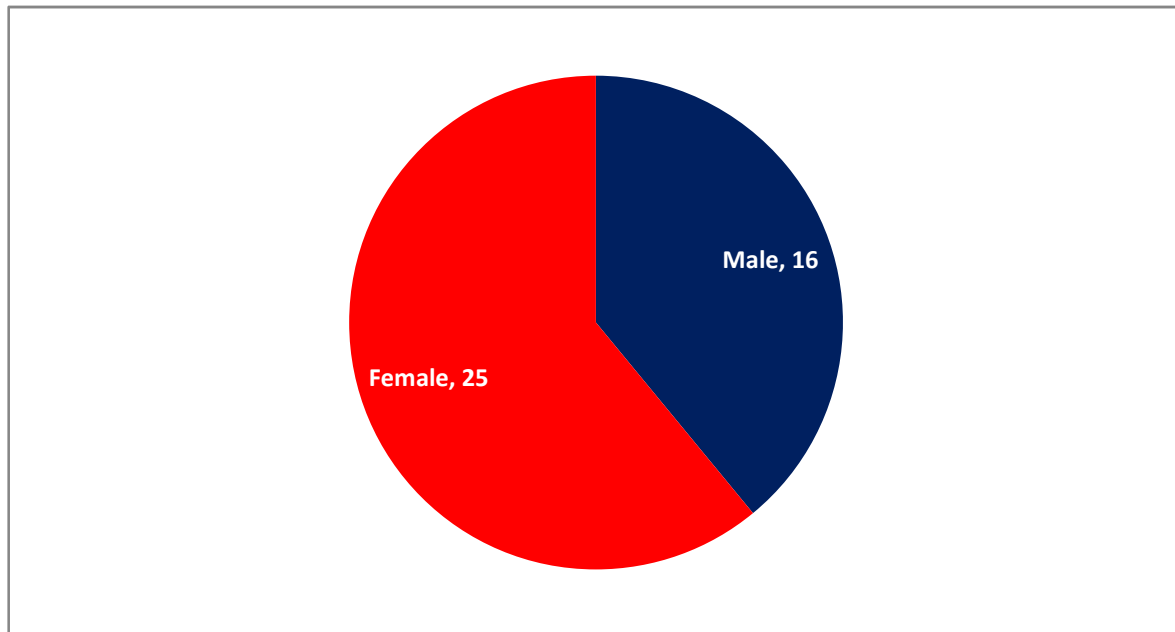
Talking about MOOCs Online Courses and OER in India, Prof. Sanjay Tiwari Coordinator of STC Workshop said the introduction of new technologies and electronic gadgets has played an important role in transforming the education sector in numerous ways. When education is coupled with technology, students and teachers find it more interesting because sharing of knowledge becomes more engaging easier and hassle free. The Covid 19 pandemic has changed everything and its right time to take advantage of digital wave to further improve our education system as it provides unique solution to reach every deserving candidate in any part of the country and reap the benefit ofdemographic dividend Arrival of Massive Open Online Courses (MOOCs) has revolutionized the higher education landscape." MOOCs provide learners with the access to high-quality learning content along with the flexibility of pacing their learning. The Indian government has also identified the possibilities that MOOCs offer to achieve the three cardinal principles of Education Policy viz. Access, Equity and Equality, and have initiated efforts to promote MOOCs through the SWAYAM platform as well as the encouraging transfer of MOOC credits in regular university education. The biggest advantage of MOOCs is accessing study content taught by the best faculty at any given time. "

"For all MOOCs, tuition is free. Students only need to pay a nominal fee for the examination charges every semester. Currently, all certificate courses, which last for two- three months, are on offer on the MOOC platform. Prof. Tiwari added.

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State wise Participants

Tamil Nadu, 1   Uttar Pradesh , 1
Gujarat, 1
West Bengal, 1
Maharasthra, 3
Madhya Pradesh, 4
Chhattisgarh, 22
Telangana, 8

Gender Wise Participants

Male, 16
Female, 25

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Session I (10:30-12:00) Inaugural Function

UGC Human Resource Development Centre of Pt. Ravishankar Shukla University, Raipur is organizing Workshop on MOOCs, Online courses and Open Educational Resources during 14-19 Feb, 2022. The workshop is attended by faculty members across the country from Coimbatore, Hyderabad, Tamilnadu, Telangana, Uttar Pradesh, Karnataka, Gujrat, Madhya Pradesh, Maharashtra and from all parts of Chhattisgarh. and involved a good interaction between the resource-person and the audience.

Prof K. L. Verma Vice Chancellor PRSU said Teaching in colleges across Chhattisgarh will undergo major changes with the Government keen on integrating technology in a big way The organization of such programs by PRSU is to sensitize the teaching faculty of colleges and universities about the advantages of e-learning and to encourage them towards planning, designing, developing, delivering and implementing MOOCs and other Open Educational Resources (OER) so that they can keep pace with digital revolution of the twenty first century in which technology is blended with traditional teaching-learning pedagogies for better learning outcomes. The technology has given an opportunity to students to unshackling access to quality content and education bypassing the difficulty to get admission into the expensive institutions. The efficacy of the MOOC platform to reach the countless millions across the country is amazing. India needs to change its traditional mindset and go for innovation across the sectors if it wishes to maintain its competitive edge in the global economy.

Technical Session I (10:30 to 11:30)

Topic: Keynote Address on Spoken Tutorials
Resource Person: Prof Kannan Moudgalya, Professor, IIT, Mumbai
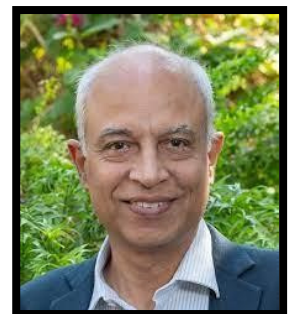
The Keynote speaker Prof Kannan Moudgalya the leader of Spoken Tutorial Project said project will enable visually-challenged students take lessons in information technology or computer programming in regional languages. The tutorials will involve explaining any computer-based activity with a live demonstration. The spoken part can be dubbed in any Indian language. "The tutorial captures the changes in the screen in the form of a movie, along with a running commentary by an expert. The spoken tutorial can be used to explain the steps involved in carrying out an activity, such as using some software. The spoken tutorial project is targeting everyone, including those who stay in the remotest part of the country and some tutorials have been dubbed into 15 to 16 languages.

As the commentary will be available in a local language, He said it has the potential to reduce the digital divide between urban and rural India. "There are many benefits of such tutorials. Listening to a person is better than going through written instructions. Since it can be dubbed in any Indian language, it can empower many, including those in villages, to participate in content development.

Dr. Srinivas Resource person from NIEPA, New Delhi said "Arrival of Massive Open Online Courses (MOOCs) has revolutionized the higher education landscape." MOOCs provide learners with the

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access to high-quality learning content along with the flexibility of pacing their learning. The Indian government has also identified the possibilities that MOOCs offer to achieve the three cardinal principles of Education Policy viz. Access, Equity and Equality, and have initiated efforts to promote MOOCs through the SWAYAM platform as well as the encouraging transfer of MOOC credits in regular university education.. The stage is being set for effective online teaching and learning experience in a collaborative, vibrant environment by bringing into play Massive Open Online Course (MOOC). These aim at unlimited participation and open access to teachers and students through the web.

He cited the "powerful and secure Open Educational Resources (OER) like Moodle, a free learning platform that helps one create effective online teaching and learning experiences." Developed on pedagogical principles, Moodle is used for distance education, flipped classroom and other e-learning projects in schools, universities, workplaces and other sectors.

Chairperson: Dr. Surajit Ghosh   **Moderator: Dr. Rani Shantaram Kankate**

Technical Session II (11:45 to 01:15)

Online Education: Moving with the Times

Resource Person:

Prof. Y Narasimhulu
Former Vice Chancellor, University of Rayalaseema

Prof. Y Narasimhulu Former Vice Chancellor University of Rayalaseema said "Use of innovative methods in classroom teaching is imperative. The expectations of students are very high and there is a wide gap. We live in the age of Facebook and Twitter where students are socially connected. Simply uploading the new modes of teaching online is not enough. We need to start transacting," he further said It has become clear in the 21st century that online education is entering mainstream and becoming a growing market as it continues to expand access to learning for more people . Therefore, online instructors and students need to synthesize information across subjects to critically weigh significantly different perspectives and incorporate various inquiries. In doing so, they need to construct such possibilities by means of fostering critical learning spaces, where students are encouraged to increase their capacities of analysis, imagination, critical synthesis, creative expression, self-awareness, and intentionality in action. Only well-designed and effectively delivered online courses can survive to fulfill the possibility of blending the borders of the classrooms and to connect formal learning to broader space and vast social issues through an energetic online learning community Prof. S Saraf Director HRDC said while some believe that the unplanned and rapid move to online learning will result in a poor user experience that is unconducive to sustained growth, others believe that a new hybrid model of education will emerge, with significant benefits. He said he believe that the integration of information

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technology in education will be further accelerated and that online education will eventually become an integral component of school education,"

Workshop Coordinator Dr Sanjay Tiwari said When education is coupled with technology, students and teachers find it more interesting because sharing of knowledge becomes more engaging easier and hassle free. The major advantage is that technology/electronic gadgets assist students to develop their skill sets. Technology-basededucation helps students to think beyond their notebooks and improve their learning skills.

The pandemic has caused serious damage to the education system and traditional education models; yet in turn, it has also empowered MOOC and Online education. He added If the students don"t learn the way we teach them, we must teach them the way they learn. Technology won"t replace the teachers but teachers who use technology will replace teachers who do not.

Chairperson: Dr. Surajit Ghosh   Moderator: Dr. Rani Shantaram Kankate

Technical Session III and IV (14:00 to 15:30 and 15:45 to 17:15)

Learning Outcomes:

- Understanding the Blend and Blended Learning
- Exploring the Blended Learning Eco System
- Understanding the Teacher, Student roles in BL
- Designing and Developing a Blended Learning Course
- Understanding OER and Creative Commons Licensing
- Hands-on Experience CC Content

CC Search; Youtube Filter; Google Advanced Search

The Technical Session 3 began with the welcome note by Prof. Sanjay Tiwari, Workshop Coordinator. He then highlighted the works and achievements of the Resource Person for the session, Prof. K. Srinivas. Prof. Srinivas started the session stating the three cardinal principles. He said whichever mode is followed whether Blended or MOOC- the facilitators, in order toenhance the quality of teaching-learning, should follow the three cardinal principles i.e. making it Impactful, Engaging, Interesting and Challenging He said Education should be skill-based and knowledge oriented. For this weshould keep in mind the maxim

Tell me, I will forget Show me l will remember

Involve me I will understand; So as to make our teaching-learning engaging, interactive and interesting. Prof. Srinivas further added that we, the teachers/facilitators will have to adapt to change because the technology of online education and all the digital initiatives have all the possibilities to revolutionize higher education.

He talked about synchronous (live mode - Google Meet, zoom, face- to-face teaching etc.) and asynchronous (not live) learning tools in blended learning; emphasized on learning, unlearning, relearning and collaborative learning. He said that lack of enthusiasm to learn new, lack of institutional

support and poor technology infrastructure are the challenges in higher education, which we need to overcome. As a teacher, we needto maintain passion, patience and perseverance. We need to enjoy our job and put in our best to make our learners interact and engage by motivating and encouraging them during blended/online learning.

He further added that technology can never replace a teacher because technologyis a means not an end. It is not a cure for all education ailments; effectiveness of technology is directly proportional to competence building, intent and right attitude, whichthe teachers have to develop.

In Technical Session 4, Prof. Srinivas explained at length the six essential elements for using the Blended learning Course/MOOCs/Open and Distant Learning Courses. For this he mentioned the following:

(i)   Course Planning and Designing
(ii)   Selecting Appropriate Pedagogy
(iii)   Content Developing (create and curing)
(iv)   Delivery Platforms (synchronous and asynchronous)
(v)   Course Transaction
(vi)   Activities and Assessments and Interaction

Prof. Srinivas elucidated about with the four quadrant instructional approach- e- Tutorials, e-Contents, Discussion Forum and Web Resources and Self-Assessment. In addition to this he provided hands-on training on Designing, developing and delivering a sample MOOC COURSE. A specimen project work was shown by Prof. The participants were given a task to prepare a two-week blended learning course with four topics of the subject covering in-class learning activities (2days/week) using four quadrant instructional approach. The resource person shared useful links and sources - Digital Initiatives of GOI and State Governments in Higher Education like- UGC MOOCs, NDL, NROER, FOSSEE, VLABS and many more to be used as supplementary resources in teaching-learning. He further demonstrated how to prepare the blended learning course. Prof. also made the participants understand the concept of OER-Open Educational Resources, which are freely available online for everyone to use- instructor, student and self-learner. He said OER includes- full courses, quizzes, pedagogical materials, games and many more materials contained in digital media collections from around the world. Lastly, Prof. Srinivas dealt with Creative Commons- a non-profit organization that enables the sharing and use of creativity and knowledge through free legal tools. He summarized the talk and concluded the session. All in all Technical Session 3 and 4 by Prof. Srinivas were very informative, engrossing and provided new learning to the participants. The session concluded with the formal vote of thanks proposed by the chairperson of the session Dr. Seema Arora.

Chairperson: Dr.Shilpi Shrivastava   **Moderator: Dr. G. Veera Senthil Kumar**
Seeion-3
Dr. Seema Arora   **Moderator: Dr.Lokeshwar Prasad**
Seeion-4

Technical Session I (10:30 to 12:00)

Student Centric MOOC Activity

Resource Person: Prof. Chanda Jain, Head Training and Placement Institute of Technology and Science, Ghaziabad

MOOCS IS A WAY TO SHARE HIGH-LEVEL LEARNING WIDELY AND SUPPLEMENTTRADITIONAL CLASSROOMS: DR. KALPANA KANNAN, IIT BOMBAY.

With the objective to enhance the quality of teaching in the country, the MHRD is emphasizing on the use the Massive Open Online Courses platform SWAYAM to update the teaching technique of 1.5 million higher education faculty with the focus on new and emerging trends. Massive Open Online Course (MOOC) and e-content generation contribute significantly towards honing creative thinking and innovative learning among the students and at the same time help the faculty to update their knowledge and skills through such faculty development programmes. Massive Open Online Courses (MOOCs) are gaining traction all over the world to provide unlimited participation and open accessto quality education via web. The visitors to the top three MOOCs platforms (Swayam, Udemy, FutureLearn Coursera and edX) are from the United States, followed by visitors from India. This shows the tangible interest in MOOCs in India with their cost effectiveness and potential to reach a large number of learners. MOOCs provide us the opportunity to broaden the access to quality education at all levels. She focusedon Student centric MOOC Activity Development. Addressing the participants she said, "MOOCs are expanding in popularity and scope, and several new courses are being designed and implemented in a variety of contexts & the discussion around MOOCs is growing too. There are still not many advances in the pedagogical format, and many MOOCs end up being an online version of the traditional lecture format. At the same time,several problems have been reported, such as, lack of learner engagement, low participation in forums and low completion rates. To address these challenges, we present the Learner-Centric MOOC model: a prescriptive model consisting of a set of guidelines, activity formats and actions for MOOC creators. The LCM model guides instructors in conceptualizing, creating and conducting a MOOC, while maintaining a learner-centric pedagogical approach at its core. The LCM model consists of four structural elements: Learning Dialogs, Learning by Doing activities, Learning Experience Interaction and Learning Extension Trajectories, and Orchestration dynamics." She explained how LCM satisfies the four basic quadrants of MOOC & Swayam. The learner-centric MOOC (LCM) model has formed the basis for several online and blended courses on NPTEL and IITBombayX platforms.

Chairperson: D. Illakkiam   **Moderator: Mrs. G Joseph Mary**

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Technical Session II & IV (12:15 to 13:45 & 16:00 to 17:30)

<p style="color:red; text-align:center">An overview of MOOCs</p>

Resource Person: Dr. Kalpana Kannan
                                    Senior Project Manager
                                    Department of Computer Science &
                                    Engineering, IIT, Mumbai

The session was followed giving overview on MOOCs by Dr. Kalpana Kannan SeniorProject Manager Department of Computer Science and Engineering IIT Bombay. She said, "MOOCs is a way to share high-level learning widely and supplement traditional classrooms". Dr Kalpana shares her vision of MOOC blended learning, where teachers create the ideal learning experience for 21st century students. Three cardinal principles of Education Policy viz., access, equity and quality. She added it is must to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy.

She said, "Technology plays vital role in making the education more vibrant and faculties need to integrate technology seamlessly into the curriculum instead of viewing it as an add-on, an afterthought, or an event". The technology itself is not transformative, it's the institution, the pedagogy that is transformative. She explained various methodologies of teaching by using digital tools. She encouraged the participants for using open educational resources/ softwares. Usage of available OER softwares make the presentations & class more interactive.

Chairperson: Dr Anil kumar Singh   Moderator: Dr. Hemlata Borkar Wasnik

Technical Session III (14:15 to 15:45)

<p style="color:red; text-align:center">An overview of MOOCs</p>

Development Resource Person: Dr. P. Malliga
                                Head I/C Department of Educational Media
                                and Technology
                                National Institute of Technical Teachers
                                Training and Research (NTTTER) Chennai

Dr. P. Malliga Head i/c, Dept. of Educational Media and Technology, National
Institute of Technical Teachers Training and Research (NITTTR) Chennai discussed on Need for E-Content Development and Authoring Tools in 3rd Technical session. She told that contents which available at MOOC are in various format that are useful resources to the students at a various

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understanding levels. It could be used numerous times and it supplies the information round the clock. Contents could be in Image, PDF, Document, Audio & Video in these sites. Multiple Choice Questions are reliable methodology that ensures the understanding of the students.

She further added, "Education is not a vessel to be filled but a fire to be kindled". & explained how we can give assignments, MCQ etc. to students and ask them to submit within prescribed limit and monitor their performances through assessments after giving course content.

Chairperson: Dr. Mary Vinaya Sheela   Moderator: Dr Maneesha Saxena

Chairperson: Dr Anil kumar Singh   Moderator: Dr. Hemlata Borkar Wasnik

Technical Session I & II (10:30 to 12:00 & 12:15 to 13:45)

Open Educational Resources

Resource Person: Prof. Pradeep Kumar Mishra
                                    Director   CPRHE
                                    National   Institute   of
                                    Educational   Planning
                                    and   Administration, New Delhi

Prof. Pradeep Kumar Misra, Director CPRHE National Institute of Educational Planning and Administration, New Delhi. He elaborated about Open Educational Resources. The session was interactive as numerous brainstorming questions related to copyright & open access was discussed. Speaking about the OER movement he said that The Indian government approved an open license policy to bring all the new digital learning resources as OER under BY-SA licenses. A number of OER Initiatives have already started, including: National Repository of Open Educational Resources (NROER), National Programme on Technology Enhanced Learning (NPTEL), eGyankosh, Project Oscar and NIOS: OER Repository. Among the population of 1.27 billion people in India, 228 million are enrolled as students at school level and 18.5 million at higher education level. Hence, a need and importance of OER as a cost-effective mechanism to provide quality resources becomes self-evident.

He added that Teacher education nowadays needs a change in vision and action to cater to the demands of changing societies. Reforms, improvements, and new approaches in teacher education are an immediate need. Online training of teachers using OER has emerged as a new approach in this direction. This approach will facilitate mass training of teachers as per their convenience and ease and will be helpful in filling the huge gap in demand for skilled teachers. The other assumption is that being OER-
based training, it will be easy to adapt it to different cultures and languages. During his interactive session he emphasized on OER definition, its types, principles & creative common license. He explained how to prepare the content with the help of creative common license & without violating copyright norms

Chairperson: Dr. Ritika Waghray Moderator: Dr.A.N.P.P.Anantha

Technical Session III (14:15 to 15:45)

Tools for Teaching & Learning (Hands-on Practice)

Resource Person: Dr. Ramesh Chander Sharma
                                   Professor, School of Global Affairs
                                   Dr. B. R Ambedkar University, New Delhi

Dr. Ramesh Chander Sharma from Ambedkar University Delhi. He is Instructional Design and Chairperson of the Committee to facilitate adoption of MOOCs for SWAYAM. This hands-on session intensified the interest to convert all your documents to interactive flipbook. He demonstrated how you can make your documents better by use of applications which are freely available like ANYFLIP. Easy to use, Responsive across all devices, Improved visual appearance of your PDF files, Easy to share, Security options, SEO optimization capability, Insightful marketing statistics are few of its advantages. ANSWER GARDEN is another interactive way to collect the reviews, comments & feedback. Teachers can use AnswerGarden to pique interest before beginning a unit and access prior knowledge by having students respond to a question, or they can use it as an exit ticket response at the end of a lesson for general assessment. AnswerGarden can also be used for quick relationship-building questions that don't relate to any specific content. It can be used, too, in professional development (PD) or other speaking engagements for audience participation, He said.

UGC – Human Resource Development Center, Pt. Ravishanker Shukla University Raipur (CG) organized 6-Days online workshop on MOOCs, Online Courses and Open Educational Resources from 14th -19th February 2022. Day one start with Inauguration Function. At every day 4- technical session was conducted. Mrs. Preethi Rathi, Assistant professor, St. Joseph's Degree and PG College Hyderabad was the chairperson of third technical session of day -3. Dr. Ramesh Chander Sharma, Educationist, Professor, School of Global Affairs Dr. B. R Ambedkar University, New Delhi was the speaker of this session. The introduction of speaker was enthusiastically done by Mrs. Preethi Rathi. Dr. Ramesh Sharma delivered a fabulous demonstration on flip book, talk and comment-voice note anywhere, pixabay.com for sharing copyright free images, videos and music, unsplash.com for free images and pictures, answergarden.ch for collect the feedback. The session was very interesting and interactive. All the participants enjoyed a lot. The aim of this session was to explore the various tools of online teaching & learning for participants. 40 participants were actively participated in this online workshop. At the end of the session we successfully achieved the expected outcome by the participants. The session was concluded by Dr. Sanjay Tiwari, Prof. Head & coordinator, Institute of RETM Vote of thanks was done by Ms. Komal Shelke, Assistant Professor, MNG Science College, Babhulgaon. Dist. Yavatmal.

Chairperson: Mrs Preethi Rathi   Moderator: Ms. Komal Babanrao

Technical Session IV(16:00 to 17:30)

Creating Video based Lessons

DevelopmentResource Person: Dr. P. Malliga
                                Head I/C Department of Educational Media
                                and Technology
                                National Institute of Technical Teachers
   Training and Research (NTTTER) Chennai

Dr. P. Malliga Head i/c, Dept. of Educational Media and Technology, National Institute of Technical Teachers Training and Research (NITTTR) Chennai discussed on Creating Video based Lessons in last Technical session of today. She explained about Steps to Create a Video-Based Education Course Identifying the Learning Goals, Choosing the Correct Authoring Tools, Providing Instructions in Chunks, Building Video- Ready Slides, Defining Time Limit are the basic steps for creating interactive Video.

She further demonstrated H5P, Videonote.es, edpuzzle etc. These application gives you access to lots of different interactive content types & allow you to easily share and reuse content. To reuse content, you just download the application you would like to edit and make your changes – e.g. translate to a new language or adjust it to a newsituation.

She added that, "This type of activity can be used in any online classroom setting. It is aimed to improve student knowledge on fundamental concepts in your course. In this activity, teachers upload their video about content, or their lecture, and lock specific moments in the timeline with practice questions. Students have to answer these questions first before they can continue to watch the rest of the video. Students have theopportunity to go over the video material provided and practice their knowledge on the topics followed to further improve their knowledge and readiness for assessment. The teacher keeps track of the analytics, keeping track of the students" performance and engagement, to find out what questions students struggle with. This can be done via theteacher dashboard or the .csv export.

Chairperson: Dr. Anjali Bhatnagar   **Moderator: Dr Yogita Jiwane**
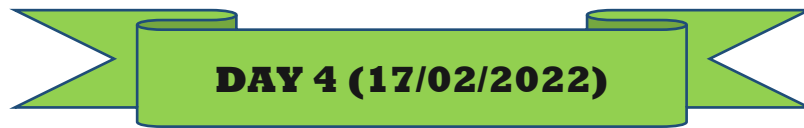
Technical Session I & II (10:30 to 12:00 & 12:15 to 13:45)

Designing MOOC through MOODLE [Moodle Cloud Registration,Moodle App Installation] [Hands-on Practice]

and
Designing MOOC through MOODLE: Course Announcement, New, Announcements [Hands-on Practice]

DevelopmentResource Person: Dr.Deepak Bishla
System Administrator
IT Department
Dr. B. R. Ambedkar University Delhi

Education is not a vessel to be filled but a fire to be kindled, with this insightful view the initial two sessions of 04th Day started by Dr.Deepak Bishla, System Administrator, IT Department, Dr. B. R. Ambedkar University Delhi. In his sessions he focused about Conceptual Design: Inputs for Design, Develop & Deliver and Designing MOOC Through MOODLE. According to him, "Teaching methodologies are no more confined to classroomactivities. Learning now involves more technology than it ever did. The dynamic and sturdyrise in edutech is contributing to the development of new teaching methodologies. These methodologies focus on the holistic development of the learners with innovative teaching-learning methods. The use of animation in education facilitates educators and learners in a variety of ways. Not only it assists learning but also gives educators freedom to use a combination of teaching methodologies. They can quickly pick-up an animated video about a topic and show it to the learners for better understanding. Various teaching methodologies focus on the holistic development of the learners with innovative teaching-learning methods. The use of animation in education is another such development in tech that is continuously evolving. Its various advantages mentioned in this article make it anattractive learning solution for all levels.

He explained how animation in education makes use of visuals for learning? Animation presents abstract concepts through visuals to provide learners a clear picture of the lesson. Animation in education is all about interactive learning. It incorporates various learning styles in one. As the learners indulge in the enriching visuals, they participate in the learning process. Educators can use animation to create lessons as well as assessmentsthat engage learners. Different teaching methodologies can serve their purpose with the help of animation.

While giving hands-on in different tools of Screen Recording, Video Editing, Animation, he demonstrated about Powtoon & Plotagon, Both application facilitates you to create your own animation. Powtoon can be used for creating short video presentations. It gives the ability to create videos and presentations. You can select from free libraries of animation, live-action video, images, designed backgrounds, soundtracks, and moving graphics, or you can use your own visual content and voiceover at the same time using Plotagon Education, students can create animated movies, make characters, and write plots about any subject matter. It provides a plethora of ideas for any class, from language arts to social studies to math and even social skills.

During the first technical session, Dr. Deepak Bishla mainly focused on designing "MOOCS through Moodle. Firstly, he explains why do need MOOCS on MOODLE. He highlighted the open educational resources. He also talked about ICT tools for Teaching Learning Purpose (LMS). He discusses about systematic approach for online classes. He provided clarity about copywrite and open educational resource. He explains the use of Freecam software and Plotagon application with live hands-on practice.

During the second technical session, Dr. Deepak Bishla sir briefly discusses how to develop MOOCS through MOODLE. He

explains how to create own MOODLE account on gnomio.com He briefly discusses about Moodle learning system likes creation method in Moodle, Course creation, Resource uploaded, Enrollment of students, Assessment method etc. He also given detailed information about Swayam platform. He suggests creating video and upload on YouTube and develop content and save on google drive. He also provided extremely useful tips to secure from cyber threat. Forty-one participants of different colleges/Universities from all over India have participated in the workshop and make it success. The vote of thanks delivered by Dr. Rameshwar Tiwari Assistant Professor, Chhindwara Madhya Pradesh. In mid of first and second session the Workshop Coordinator, Prof. Sanjay Tiwari explained the participants on how to create video of their presentation using Slideator andmake it more interactive. He discussed and demonstrated the advantages of using slideator and other video presenter tools**.**

Chairperson: Dr. Mitulkumar Parmar   Moderator: Dr. Rameshwar Tiwari

Technical Session III (14:15 to 15:45)

Creation of MOODLE platform and upload theactivities and resources

DevelopmentResource Person: Dr. Praveen Kumar
                                     Vijaya Teachers College, Bengaluru

The Technical Session 3 began with the welcome note by Prof. Dhirendra singh Kshatri Chairperson of this session. He then highlighted the works and achievements of theResource Person for the session, Prof. Praveen Kumar. The session was based on "Creation of MOODLE platform and upload the activities and resources". He told that Educational institutions around the world are using e-learning platforms to improve their teaching and learning activities, a development made possible by the rapid expansion of information and communication technologies. Institutions are now using learning management systems such as Moodle, Blackboard and many more tools. They provide features such as resources and activities to design and implement online courses. Successfully adopting e- learning depends on addressing various factors.

Emphasizing over Online Educational Learning Environment he said, "Moodle is used for blended learning, distance education, flipped classroom and other e-learning projects in schools, universities, workplaces and other sectors. With customizable management features, it is used to create private websites with online courses for educators and trainers to achieve learning goals. Moodle allows for extending and tailoringlearning environments using community-sourced plugins, Moodle is a free and open- source learning management system (LMS) written in PHP and distributed under the GNU General Public License Developed on pedagogical principles. As an E-learning tool, Moodle has a wide range of standard and innovative features such as a calendar and a Gradebook." He added that contents which available at MOOC are in various format that are useful resources to the students at a various understanding levels. It could be used numerous times and it supplies the information round the clock. Contents could be in Image, PDF, Document, Audio & Video in these sites. Multiple Choice Questions are reliable methodology that ensures the understanding of the students. Further he demonstrated Moodle using Gnomio, he explained about creating course, quizzes &evaluation process.

Prof. Praveen Kumar in his talk highlighted the importance of ICT tools in enhancing teaching learning. He said that we the Indian teachers are lagging behind in the knowledge of digital tools as compared to abroad.But it is a happy thing now Indian teaching fraternity is updating upgrading themselves in ICT tools.

He said, Moodle is a vast area and fusing ICT tools in teaching learning will bring a tremendous change.He advised the participants to explore and expose themselves to ICT tools to become an efficient teacher. This will help you to become a 21st century teacher for the 21st century students.Further he added that we can add activities in Moodle platform. So Moodle is a complete package helpful for both teachers and students. He instructed all the participants to create an account in the Moodle platform.

Next, prof. Praveen discussed and explained about the VARK Model of Moodle. He taught us how to create Moodle account in Genomia and Moodle Cloud. He elaborated on how to create Examinations on Moodle.

In Technical Session 3 by Prof. Praveen were very informative and provided new learning to the participants. The session concluded with the formal vote of thanks proposed by the Reporter of the session Dr. Shubhra Mishra.

Chairperson: Dr. Dhirendra Singh Kshatri   Moderator: Dr. Shubhra Mishra

Technical Session IV (16:00 to 17:30)

Learner CentricMOOCModel (LCM) Overview	
DevelopmentResource Person:	Annapurna Madhuri Active Learning Workshops, Head, SMIORE Academy for Teacher Training, Sandur

The session was followed by giving overview on Learner Centric MOOC Model by Annapurna Madhuri, Active Learning Workshops, Head, SMIORE Academy for Teacher Training, Sandur. She emphasized about constructive feedback, LeD & LbD activities. She said, "Learning by Doing is a formative assessment activity. What this means is thatlearners get sufficient and multiple opportunities to practice, to apply, and get feedback ontheir work. If we look at the structure of an LbD, the learners first do an activity such as solve a problem or click on the choice to the answer of a question and then they get feedback. This feedback is formative. That means it helps the learner take stock of where their work is at the current point and helps them improve and revise their work so thatthey get closer to the learning goal. LbD activities help learners towards the goals of concept attainment or immediate application of some content or integration of knowledge"

To summarize, while creating an LbD activity, we need to start with the learning goal, "is it concept attainment, application, integration of knowledge". We can use our teaching experience to decide the pedagogical goal and the pedagogical type and we need to explore the platform to decide the format of the question and then combine all this using our creativity.

She added that the loop of formative assessment is closed when the learner gets feedback on their current work and alsopointers on what they should do next?

Sameer Sahasrabudhe is the Director, Educational MultimediaResearch Center (EMMRC), Pune, India. Prior to this, as a Research Scientist at IIT Bombay, he has contributed in the development of the Learner – Centric MOOC (LCM) model at the IDP-ET; and the MOOCs platform: IITBombayX at the Dept. of CSE, IIT Bombay. Sameer Sahasrabudhe supported the sessions by Annapurna Madhuri & Dr. Sarika Chouhan who are members of active learning workshop group.

Chairperson: Dr. Santu Ram Kashyap   Moderator: Dr. Rinkesh Bhatt

CONVERSATIONAL COMPUTING, INTERACTIVE QUIZZES AND GAMES WITHIN THEPROGRAM CONTRIBUTE TO THE OVERALL DEVELOPMENT OF AN INDIVIDUAL

When you are preparing for a presentation, you want it to be engaging andmemorable. Yet after giving and attending various presentations, you may be aware of how the audience can lose interest in a presentation shortly after that presentation kicks off. Those are typically the presentations which lack the "interaction", where the presenter takes the lead all of the time and give no chance to the audience to really participate in. However, you may be unsure of how a speech can be considered "interactive" andattention-drawing, and how you can transform yours into wonderful presentations. The initial two sessions of 05th Day was based on that theme. The session was took by Prof K.Thiyagu, , School of Education, Central University of Kerala in which he focused about Tool for creating and delivering amazing Presentations and Formative and Summative Assessment Tools.

Technical Session I & II (10:30 to 12:00 & 12:15 to 13:45)

Tool for creating and delivering amazing Presentations and Formative and Summative Assessment Tools

DevelopmentResource Person: Dr. K. Thiyagu
Department of Education
School of EducationCentral University of
KeralaTejaswini Hills Periye, Kasaragod,
Kerala - 671 320

Learning Outcomes:

- Understanding the how to prepare power point presentation.
- Exploring the various applications
- Explaining all the modern tools such as Pixton, Pexels, Unsplash, Infographic,Flaticon and Slido.
- Demonstrate every tools with examples.

The Technical Session 1 began with the welcome note by Dr. Annu Verma, session chair. She then highlighted the works and achievements of the Resource Person for the session, Prof. K. Thiyagu.

Prof. Thiyagu started the session with modern tools. He demonstrated each tools and given excellent examples.

He explored all the tools and explained practical importance in online Education System. He demonstrated and installed every modern tools which is as follows:

1.   PIXTON
2.   UNSLASH
3.   INFOGRAPHIC
4.   FLATICON
5.   SLIDO

The session concluded with the formal vote of thanks proposed by the Moderator/Rapporteurs of the session Dr. Rakesh Singh Dhundhel.
Attendance: Total 43 participants were present including expert and coordinator.

He said, "Most of the time, we have come to terms with conditional, old-styled presentations which are monologues by the

speaker. They give information, they give out slides with tons of text, and they speak – seeing their audience glaze over and start to glue their eyes to their phone screens. On the other hand, interaction makes audience truly a part of your presentation by creating a connection between you and them. It is the sense of engagement that gets them to be willing to listen to you, and subconsciously more perceptive of your ideas. On the scientific side, activities speak 70% more than mere words! With interaction, the audiences are not only more focused during your presentation, but also retain the information for a much longer time than when they simply listen". He gave hands-on to tools like Pixtor, Pexels, Unsplash, Slidekit, Flaticon, Slido, Peardeck and many more during his sessions.

Chairperson: Dr.Annu Verma   **Moderator: Dr. Rakesh Singh Dhundhel**

Technical Session III (14:15 to 15:45)

Designing MOOC Through MOODLE [Moodle Cloud Registration, Moodle App Installation] [Hands-on Practice]
DevelopmentResource Person: Dr. V. P. Joshith
                                                    Department of Education Central
                                                    University of Kerala
                                                    Tejaswini Hills, Periye (PO), Kasargod,
                                                    Kerala

Learning Outcomes:

- The purpose of this course is to highlight the importance of designing an effective compensation system which is equitable & motivates the employees & acts as an effective retention strategy.Exploring the various applications.
- The objective of the course is to provide the student with an understanding of basicmanagement concepts, principles & practices.
- Introduction to training, structure, need assessment and evaluation of training.
- Demonstrate every tools with examples.

The Technical Session 2 began with the welcome note by Dr. Sanjay Tiwari, Workshop Coordinator. He then highlighted the works and achievements of the Resource Person for the session, Dr. V. P. Joshith.

Dr. V. P. Joshith started the session with Gnomio.com. He explained each process one by one and more focussed on registration process to all the participants. He explored all the process like registration, password setting, category creation, course creation etc. The session concluded with the formal vote of thanks proposed by the Moderator/Rapporteurs of the session Dr. Anita Singh.

Dr. V. P. Joshith from Central University of Kerala was the resource person for third session of today"s workshop. Dr. Joshith dicussed about OER and many other applications available over internet. Likewise hands-on on gnomio made the session much interactive. He demonstrated then how these technologies have now made system much efficient and made assesment process far easier. These tools can be easily deployed in the classroom environment to make the learning more interesting. He explained how we can generate report student wise, question wise, performance wise etc. During the session he explained how to create the account on Moodle and what all process which needs to be followed for devlopment of e-content for MOOCs & Moodle. Participants gained knowledge on how to modify & update the details in Moodle account.

Describing about adding a resource or an activity to the course he said to follow simple steps comprising of

- log in to your Moodle site
- go to the desired course
- ensure editing is turned on
- go to the topic / week where you would like the new resource or activity to beplaced
- select either the 'Add a resource...' or 'Add an activity...' menu select theappropriate option from the pull down list

Chairperson: Prof. Shailendra Kumar Shrivastava   **Moderator: Dr. Anita Singh**

Technical Session IV (16:00 to 17:30)

Learner   CentricMOOCModel (LCM) Overview

DevelopmentResource Person: Dr. Sarika Chouhan
Active Learning Workshops,
SMIORE Academy for Teacher Training,
Sandur

The session was followed by giving overview on Learner Centric MOOC Model by Dr. Sarika Chouhan Active Learning Workshops, SMIORE Academy for Teacher Training, Sandur. She emphasized about dynamics of learner experience interaction (LxI) constructive feedback, LeD & LbD activities. She said, "Learning by Doing is a formative assessment activity. What this means is that learners get sufficient and multiple opportunities to practice, to apply, and get feedback on their work. If we look at the structure of an LbD, the learners first do an activity such as solve a problem or click on the choice to the answer of a question and then they get feedback. This feedback is formative. That means it helps the learner take stock of where their work is at the current point and helps them improve and revise their work so that they get closer to the learning goal. LbD activities help learners towards the goals of concept attainment or immediate application of some content or integration of knowledge". To summarize, while creating an LbD activity, we need to start with the learning goal, "is it concept attainment, application, integration of knowledge". We can use our teaching experience to decide the pedagogical goal and the pedagogical type and we need to explore the platform to decide the format of the question and then combine all this using our creativity. She added that the loop of formative assessment is closed when the learner gets feedback on their current work and also pointers on what they should do next?

According to her Qualitative and quantitative methods were employed in combination including questionnaires, interviews, document analysis, and discussion boardanalysis. The latter method involved adapting an existing content analysis framework. The findings highlight the significance of group member participation, collegiality, and familiarity among group members. Students enjoyed working in online groups and found the discussion board useful, but often gave preference to other communication methods. Lecturer presence in online groups was found to be important to students, but interaction on the group discussion board was mostly student-centred. Provision of non-referential topic-related information, opinion, and solidarity were the most common types of interaction

Concluding the session with Dynamics of learner experience interaction (LxI) she said, "Dynamic learning programs are interactive and include tasks that involve a high-level of learner engagement, and the use of multiple learning mediums". Dynamic e-learning programs are fluid and engaging, as you can incorporate a variety of features like conversational computing, interactive quizzes and games within the program. Such activities contribute to the overall development of an individual, taking the focus away from course grades, and moving it to acquiring new skills. The customizations involved in this mode of learning helps course instructors create personalized learning experiences fortheir students. Personalized learning sets the student up for success, as it takes their strength and weaknesses into account. Dynamic learning is quickly transforming the way e-learning content creators design courses, with more emphasis on student needs and blended learning experiences that take into account the different types of learners.

Chairperson: Dr. Kamlesh Kumar Shrivas   **Moderator: Dr. Indrapal Karbhal**
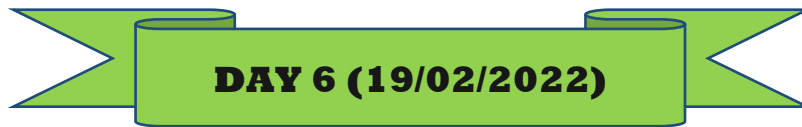
FACULTIES SHOULD MAKE THEMSELVES SELF-RELIANT WITH DIGITAL EDUCATION:

PROF. K.L. VERMA

A week-long workshop on MOOCs, e-content development and open educational resources was conducted by UGC-HRDC, Pt. Ravishankar Shukla University, Raipur which concluded on Saturday.

Chairing the valedictory session of the week-long workshop, Hon"ble Vice- Chancellor Prof. K.L. Verma said, "Massive Open Online Course (MOOC) and e-content generation contribute significantly toward showing creative thinking and innovative learning among the students and at the same time help the faculty to update their knowledge and skills through such faculty development programmes."

He urged faculty members of various colleges and universities to serve as agents of change and harness constructive ideals among young learners.

In his valedictory address, Director, UGC-HRDC, Prof. Shailendra Saraf elaborated upon the intended learning outcomes behind the workshop and emphasized that the main objective of the workshop was to sensitize the teaching faculty of colleges and universities about the advantages of e-learning and to encourage them towards planning, designing, developing, delivering and implementing MOOCs so that they can keep pace with digital revolution of the twenty first century in which technology is blended with traditional teaching-learning pedagogies for better learning outcomes.

Addressing in the Workshop, Prof. Sanjay Tiwari, Workshop Coordinator elaborated upon the modalities behind design and conduct of the workshop and informed the gathering that renowned experts including Prof K. Srinivas from NIEPA, New Delhi, Prof. Pradeep Kumar Misra, Director, CPRHE, New Delhi, Dr. Kalpana Kannan, IIT Bombay, Chanda Jain, Institute of Technology and Science, Ghaziabad, Prof K.Thiyagu, School of Education, Central University of Kerala, Dr. P. Malliga, NITTTR, Chennai, Dr. Deepak Bishla, Dr. B. R. Ambedkar University, Delhi, Dr. V. P. Joshith from Central University of Kerala, Annapurna Madhuri, SMIORE Academy for Teacher Training, Sandur, DR. PRAVEEN KUMAR T D, Vijaya Teachers College, Bengaluru were invited to impart hands-on training to the participants in designing and developing MOOCs over SWAYAM platform. He informed that 40 in-service faculty members belonging to various colleges and universities from all around the corners of nation witnessed, learned & became part of this effective workshop. These participants are being exposed to Flipped Classroom and Blended learning methods for virtual classrooms; use of video conferencing and learning management tools for teaching; experiential learning material generation for students and improved student engagement in the virtual class with the help of technology. Assistant Director-HRDC, Dr. Arvind Agrawal extended the vote of thanks.

MOOCs have emerged as one of the most inexpensive mechanisms for offering quality education online to a large number of students, from 15 to 75-year-olds, via the Internet and enable students to solve assignments and quizzed at their own pace, besides incorporating discussion forums and chat rooms. Currently, Massachusetts Institute of Technology (MIT), Harvard, IIT-B, UC Berkeley, and Stanford, among others offer MOOCs. In June last year, IIT-B had joined the massive open online courses (MOOCs) platform started by Harvard University and Massachusetts Institute of Technology. According to experts, the web-based technology and infrastructure of edX allow lakhs to log in to a course simultaneously.

Using Smartphones in the class will no longer be considered as a punishable offence. Smartphone technology has evolved enough to approve the use of phones and tablets in the classroom to turn the boring lecture into an exciting learning system by means of educational mobile apps for teachers and educators. From expanding the horizon of learning environment to creating lessons, preparing lecture subjects, and enhancing student engagement, the learning-oriented mobile apps can help maintain learning even outside the classrooms. By having a right set of teaching software, teachers and educators can streamline their activities like keeping attendance, recording behaviour, engaging students inside and outside the classroom with effective communication. Moreover, with pandemic situations, today"s learning arena has evolved into a digital space where teachers and students communicate virtually and learn from the comfort of their homes and these apps are in high demand than ever before.

Technical Session I & II (10:30 to 12:00 & 12:15 to 13:45)

Mobile Apps for Teachers

DevelopmentResource Person: Dr. K. Thiyagu
Department of Education
School of EducationCentral University of
KeralaTejaswini Hills Periye, Kasaragod,
Kerala - 671 320

The last day of Workshop started with the effective & interactive sessions of Prof K.Thiyagu, School of Education, Central University of Kerala in which he demonstrated various Mobile Apps for Teachers. He said, "Nearly everyone uses technology of someform in our everyday lives. Apps, in particular, have a multitude of uses with many great ones focusing on education. Educational apps allow students to have access to invaluable resources and learning materials on laptops and mobile devices. One benefit of these types of apps is that they can keep students connected to the classroom, even while they"re away from school".

He added, "Teachers love to turn a boring lesson into a game to motivate their students, but not everyone has the skills to make a game from scratch. Education takes place in and out of the classroom and many applications gives you a way to quickly savearticles, videos, and other web content pertinent to your current or future class lectures."

There is a better way of keeping attendance, grades, and class notes than in easily misplaced notebooks or on random pieces of paper. As a digital grade book and classroom management app, lets you take attendance, calculate grades, and plan your timetable, all on your mobile device.

Chairperson: Dr. Manoj Kumar Patel   **Moderator: Dr. Jyothi Kalyan**

Designing MOOC Through MOODLE: Uploadingthe Course Contents etc.
[Hands-on Practice]

DevelopmentResource Person: Dr. V. P. Joshith
                                Department of Education Central
                                University of Kerala
                                Tejaswini Hills, Periye (PO), Kasargod,
                                Kerala

Dr. V. P. Joshith from Central University of Kerala took third session of today‟s workshop and gave hands-on training on Designing MOOC Through MOODLE: Uploadingthe Course Contents etc. He said, "Today, the Indian education system is beginning to correctly recognize the need to mainstream vocational training. Policy initiatives such as the National Skills Qualification Framework (NSQF) are providing equivalence of skill training with general education levels and mapping them to industry-driven job standards.Promoting MOOCs, at this juncture, to address serious challenges of providing qualified teachers and infrastructure can be the much-needed catalyst to achieve depth and reach of vocational education with uniform quality standards."

He further said that MOOCs can also leverage Digital India‟s promise of providing mass connectivity and computing. Portals such as Coursera, edX and Udacity host courses offered by the world‟s premier universities such as Stanford, MIT and Harvard for free, to aglobal audience to take at their own pace. These chair-less classes break all limits of enrolment (there have been up to 3 lakh students in an online cohort), allowing unprecedented scale. With about a million registered users in India for Coursera alone, savants here are embracing this phenomenon."

Completion and Certification
The Completion certificates were issued to all successful participants who scored above 60% in the assessments and participated in at least five discussion forum posts. As the criteria were fulfilled completion certificates were awarded to the participants. The course witnessed a commendable participation from the enrolled participants. The Two- Week FDP MOOC also ensured that access to e-contents and adopting synchronous and asynchronous mode of course plotting resulted in effective learning experiences among participants.

Feedback from the participants

The participants‟ feedback on developing MOOCs or any online course is admirable. They purported that this course has a realistic picture of how to prepare, produce and launch a MOOC after deciding what the MOOC is for why it is worth enrolling in. They also added that this MOOC really is using best practice based on sound knowledge and skill required for developing online Teaching-Learning-Evaluation experiences/environment. They would strongly recommend it to their fellow/colleague/acquaintances to pursue. Some of them complemented that this Course was very helpful for them to conduct online classes for their students, especially in this restricted phase. They extended their acknowledgement to the Coordinators, Team of Instructors and facilitators who made this course wonderful and informative. The participants came out to consider it as a very well-designed course as the lectures are keptshort and crisp that brings out a great essence of online teaching techniques. Overall, they put into record that it is worth learning this course as it was intensive and very professionally crafted. The quality was outstanding.

The participants also restored their views on how they got benefitted from this FDP MOOC. The following are the few excerpts:

➤   It was a structured sensitization attempt and created awareness about the Digital Initiatives of GOI in Higher Education
➤   It also warranted steps of Instructional Design for MOOC Development & to understand the process of planning, designing and implementing online courses in line with SWAYAM-MOOC requirements
➤   It lent a hand towards E-Content Development (Script Writing/ Video Recording) with Generic Video Recording and Screen Capturing Tools to enable the participants to learn for implementation

To a large extent, it satisfactorily helped them to use MOOC/ develop online courses as an adjunct to face-to-face teaching and to teach in a fully online or distance learning context and to get a feel for how their courses could be enhanced using web platform.

➢ The inferred views exposed contentment towards creating better and active communication and collaboration with the students and to design and manage learning through Rubric assessment.

➢ This online programme provided an opportunity for all participants to have a ready experience of exploring OER for Learning, teaching and Professional Development.

➢ At the end it may be inferred that, the online Faculty Development Programme (FDP) has a positive impact on the participants as they are quite satisfied with the design, delivery and hand holding support of the Massive Open Online Course (MOOC) on FDP.

Recommendations

As per NEP, the GER should be 50% by 2035 which can be achieved through extensive use of information and communication technology (ICT) in the education sector. Technology has transformed almost every aspect of our lives, and now it seems that education systems around the world would be ICT integrated. The educators are tapping into the digital revolution and adopting new technologies to reach their students more effectively without the restriction of time and pace. With the use of digital platform, the delivery of educational programme has witnessed a paradigm shift from traditional teaching-learning system to technology mediated learning or digital learning. As we move forward for online learning, NEP lays a special focus to develop digital infrastructure including strengthening the existing digital educational platform like SWAYAM, SWAYAMPRABHA, DIKSHA, VYAS etc. After successful completion of the three subsequent cycles of the FDP-MOOC, experiences from these three efficacious cycles, the Course Coordinators have drawn the following recommendations-

➢ This FDP has extended its scope to continuous professional development of teachers in various levels of education.

➢ This FDP has benefitted not only the faculties of HEIs who are aspired to develop MOOCs on SWAYAM platform, it also empowered the teachers, scholars from different HEIs and Schools to develop online courses and design instructions for their own institutional LMS or create any personalized instructional environment and/or any Teaching-Learning-Evaluation milieu.

➢ The researchers were also introduced to the scope of being content writer/developer and contribute to virtual learning environment.
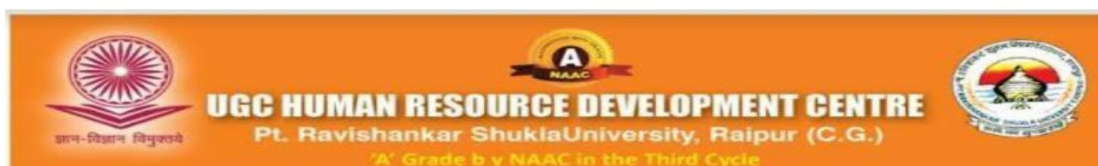
➢ The programme helped a large number of faculties/Teachers/other academicians to gain an awareness in the ground level and enhance their capacity to design and develop innovative SWAYAM Courses and/or customized online courses in their own context and teaching-learning settings.

Chairperson: Dr. Vani Harpanahalli   **Moderator: Dr. Gajula Savita**

UGC - HRDC, PRSU, Raipur
Time Table: One Week Workshop on MOOCS, Online Courses andOpen Educational Resources
(14/02/2022 to 19/02/2022)

UGC HUMAN RESOURCE DEVELOPMENT CENTRE
Pt. Ravishankar ShuklaUniversity, Raipur (C.G.)
'A' Grade by NAAC in the Third Cycle

Workshop on MOOCs, Online Courses and Open Educational Resources
14-19 February, 2022
WORKSHOP SCHEDULE

INAUGURAL DAY

Day/Date	Session 1 (9.30 hrs – 10.30 hrs)	Tech. Session 1 (10.30 hrs – 11.30 hrs)	Tech. Session 2 (11.45 hrs – 13:15 hrs)	Tech. Session 3 (14.00 hrs – 15.30 hrs)	Tech. Session 4 (15.45 hrs – 17.15 hrs)
Day 1 Monday 14.02.2022	Inaugural Function/ Interaction with Vice Chancellor	Keynote Address Spoken Tutorials **Prof Kannan Moudgalya IIT Mumbai**	Online Education: Moving with the Times **Prof. Y Narasimhulu UoH**	Building the Competencies of Teachers in Designing Blended Learning/MOOCs: A Step by Step Practical Approach **Prof K. Srinivas NIEPA**	Project Work on Designing, Developing and Delivering a Sample MOOC Course [Hands-on Practice] **Prof K. Srinivas NIEPA**

REGULAR SCHEDULE

Day/Date	Tech. Session 1 (10.30 hrs – 12.00hrs)	Tech. Session 2 (12.15 hrs – 13:45hrs)	Tech. Session 3 (14.15 hrs – 15.45 hrs)	Tech. Session 4 (16.00 hrs – 17.30 hrs)
Day 2 Tuesday 15.02.2022	Student centric MOOC Activity Development **Prof. Chanda Jain**	An overview of MOOCs **Dr. Kalpana Kannan**	Need for E-Content Development and Authoring Tools **Dr. P. Malliga**	Creating and implementing MOOCs **Dr. Kalpana Kannan**
Day 3 Wednesday 16.02.2022	Open Educational Resources **Prof. Pradeep KumarMisra**	Open Educational Resources **Prof. Pradeep Kumar Misra**	Tools for Teaching & Learning [Hands-on Practice] **Dr. Ramesh Chander Sharma**	Creating Video based Lessons **Dr. P. Malliga**
Day 4 Thursday 17.02.2022	Designing MOOC Through MOODLE [Moodle Cloud Registration, Moodle App Installation] [Hands-on Practice] **Dr. Deepak Bishla**	Designing MOOC Through MOODLE: Course Announcement, New, Announcements [Hands-on Practice] **Dr. Deepak Bishla**	Creation of MOODLE platform and upload the activities and resources. **Dr Praveen Kumar**	Learner Centric MOOC Model (LCM) Overview **Annapurna Madhuri**
Day 5 Friday 18.02.2022	Tool for creating and delivering amazing Presentations **Dr. K. Thiyagu**	Formative and Summative Assessment Tools **Dr. K. Thiyagu**	Designing MOOC Through MOODLE [Moodle Cloud Registration, Moodle App Installation] [Hands-on Practice] **-Dr. V. P. Joshith**	Learner Centric MOOC Model (LCM) Overview **Dr. Sarika Chouhan**
Day 6 Saturday 19.02.2022	Mobile Apps for Teachers - **Dr. K. Thiyagu**	Designing MOOC Through MOODLE: Course Announcement, New, Announcements [Hands-on Practice] **-Dr. V. P. Joshith**	Designing MOOC Through MOODLE: Uploading the Course Contents etc. [Hands-on Practice] **-Dr. V. P. Joshith**	Valedictory Function

Resource Persons

Prof Kannan Moudgalya **Erach and Meheroo Mehta Advanced Education Technology Chair Professor** **Professor, Chemical Engineering, Systems** **Indian Institute of Technology, Bombay**	**Prof. Y Narasimhulu** Director, HRDC, University of Hyderabad Former Vice-Chancellor Rayalaseema University hrdcuoh@uohyd.ac.in	**Prof. K. Srinivas** **Head ICT & Project Management Unit** National Institute of Educational Planning and Administration (NIEPA), MOE , New Delhi drksvasu@gmail.com
Chanda Jain **Head, Training & Placement** **Institute of Technology and Science** **Mohan Nagar , Ghaziabad,** jainchanda@its.edu.in 9421783618	**Dr. Kalpana Kannan** **Project Coordinator and a Senior Project Manager** **Department of Computer Science and Engineering** **IIT Bombay.** kalpana.moudgalya@gmail.com	**Dr. P. Malliga** **Associate Professor Computer Science & Engg.,** **Head i/c, Dept. of Educational Media and Technology, National Institute of Technical Teachers Training and Research (NITTTR)Taramani, Chennai -600 113** malliga@nitttrc.ac.in, 9380342066
Prof. Pradeep Kumar Misra **Director CPRHE** **National Institute of Educational Planning and Administration ,New Delhi** pradeepmsr@yahoo.co.in 9457756036	**Dr. Deepak Bishla** **System Administrator, IT Department,** **Dr. B. R. Ambedkar University Delhi.** d.bishla@gmail.com https://dbishla.gnomio.com/ 9560957605	**Mrs. Annapurna Madhuri.** **Active Learning Workshops** **Heads, SMIORE Academy for Teacher Training, Sandur.** 7204362666
Prof K.Thiyagu, **Department of Education I School of Education** **Central University of Kerala I Tejaswini Hills** **Periye I Kasaragod I Kerala - 671 320 I** thiyagucuk@gmail.com 9486812800	**Dr. Sarika Chouhan** **Chief Academic Officer** **Vidyalankar School of Information Technology**	**DR. PRAVEEN KUMAR T D** Vijaya Teachers College-CTE 30th Cross, 11th Main 4th Block, Jayanagar, Bengaluru-560011 Email:praviedu2011@gmail.com Contact No: 9964629452
Dr.V.P.Joshit **Department of Education** **Central University of Kerala** **Tejaswini Hills, Periye (PO)** **Kasargod, Kerala (State)** **INDIA – 671320 getjoshith@gmail.com**	**Dr. Ramesh Chander Sharma** **Professor, School of Global Affairs** **Dr. B. R Ambedkar University, New Delhi**	**Dr. Sameer Sahasrabudhe** **Director, Educational Multimedia Research Center (EMMRC), Pune**

One Week Workshop on MOOCS, Online Courses and OpenEducational Resources
(14/02/2022 to 19/02/2022)
Course Coordinator - Prof. Sanjay Tiwari
Participants List

S.No.	Name of Participants	Email Address	Mobile Number	Photo	Name of College	Affiliated University
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37.	Kamlesh Kumar Shrivas	kshrivas@gmail.com	7879581979		Pt. Ravishankar Shukla University	Pt. Ravishankar Shukla University

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39.	Prof. Meeta Jha	meetajha2010@gmail.com	9826180809		Psychology	Pt. Ravishankar Shukla University
40.	Dr Saummya Tiwari	drsaummyatiwari@gmail.com	9630837168		Disha College	Pt. Ravishankar Shukla University
41	Gajendra Singh Rathore	gajendra05in@gmail.com	9827966082		Institute of Renewable Energy Technology & Management	Pt. Ravishankar Shukla University, Raipur

# One Week Workshop on MOOCS, Online Courses and OpenEducational Resources
## (14/02/2022 to 19/02/2022)
Course Coordinator - Prof. Sanjay Tiwari
Chairperson and Reporter List

Sr.No.	Date	Tech. Session I and II		Technical Session III		Technical Session IV	
		Chairperson	Moderator/ Rapporteurs	Chairperson	Moderator/ Rapporteurs	Chairperson	Moderator/ Rapporteurs
01.	Monday 14.02.2022	Dr. Surajit Ghosh	Dr. Rani Shantaram Kankate	Dr.Shilpi Shrivastava	Dr. G. Veera Senthil Kumar	Dr. Seema Arora	Dr.Lokeshwar Prasad Sinha
02.	Tuesday 15.02.2022	D. Illakkiam	Mrs. G Joseph Mary	Dr. Mary Vinaya Sheela	Dr Maneesha Saxena	Dr Anil kumar Singh 8299776770	Dr. Hemlata Borkar Wasnik
03.	Wednesday 16.02.2022	Dr. Ritika Waghray 9848208128	Dr.A.N.P.P.Anantha Lakshmi 9704694939	Mrs Preethi Rathi 9949922111	Ms. Komal Babanrao Shelke 9860102560	Dr. Anjali Bhatnagar 9993021310	Dr Yogita Jiwane 9754129323
04.	Thursday 17.02.2022	Dr. Mitulkumar Parmar 9909533983	Dr. Rameshwar Tiwari 9424920344	Dr. Dhirendra Singh Kshatri 7415233554	Dr. Shubhra Mishra 9926160707	Dr. Santu Ram Kashyap 9826560119	Dr. Rinkesh Bhatt 9406946717
05.	Friday 18.02.2022	Dr.Annu Verma 9131391418	Dr. Rakesh Singh Dhundhel 7828606975	Prof. Shailendra Kumar Shrivastava 9685576760	Dr. Anita Singh 7999709042	Dr. Kamlesh Kumar Shrivas 7879581979	Dr. Indrapal Karbhal 8605985169
06.	Saturday 19.02.2022	Dr. Manoj Kumar Patel 8826933120	Dr.Jyothi Kalyan 7207289919	Dr. Vani Harpanahalli 9963005214	Dr. Gajula Savita 9502819378	Valedictory Function	

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Some Glimpses of the Workshop
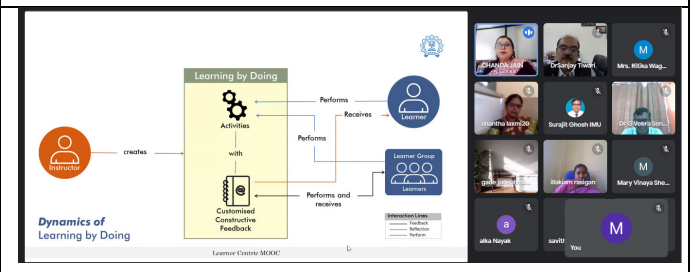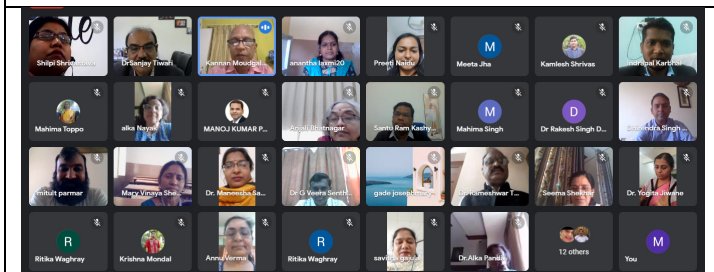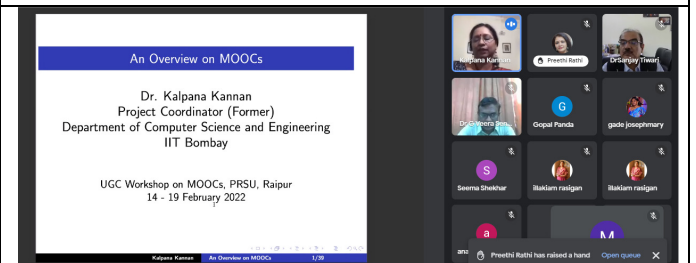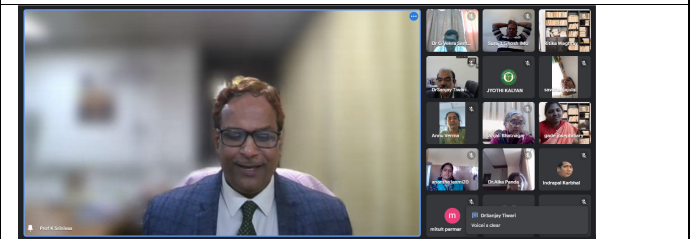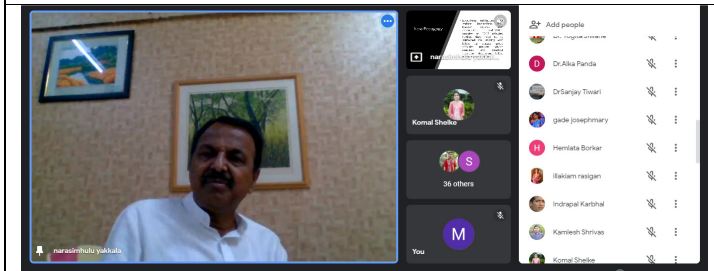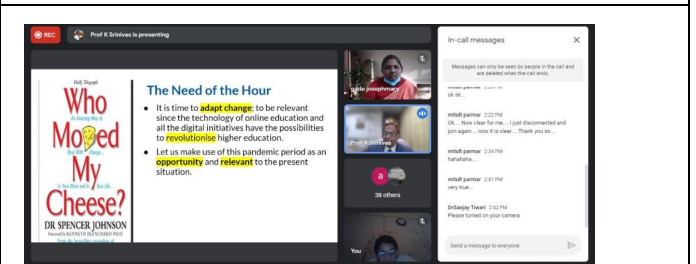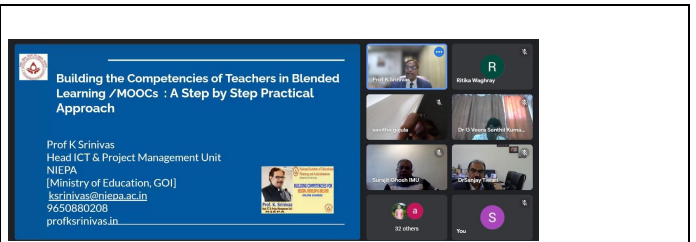
Flyer of of the Workshop

UGC HUMAN RESOURCE DEVELOPMENT CENTRE
Pt. Ravishankar ShuklaUniversity, Raipur (C.G.)
'A' Grade b y NAAC in the Third Cycle

ज्ञान-विज्ञान विमुक्तये

Dr. Sanjay Tiwari
Workshop Coordinator

A **SIX-DAY** online workshop on
"MOOCs, Online Courses and Open Educational Resources"
14th February to 19th February 2022

PREAMBLE: The introduction of new technologies and electronic gadgets has played an important role in transforming the education sector in numerous ways. When education is coupled with technology, students and teachers find it more interesting because sharing of knowledge becomes more engaging easier and hassle free. The Covid 19 pandemic has changed everything and the Open Educational Resources (OER) and Massive Open Online Courses (MOOC) has become an integral part of the teaching and learning processes. Its right time to take advantage of digital wave to further improve our education system as it provides unique solution to reach every deserving candidate in any part of the country and reap the benefit of demographic dividend. In view of this UGC HRDC, PRSU, Raipur is conducting an online workshop on "MOOCs, Online Courses and Open Educational Resources" for College and University teachers during 14-19 February, 2022 between 10:30 to 17:30 hrs.

ABOUT THE COURSE : The online workshop is mainly aimed to explore the knowledge on various online tools, Open-Source Software, Open Educational Resources and other digital tools forcreating active learning environment.It will provide the detailed information about the GOI Digital Initiatives in Higher Education This workshop will address various issues relating to planning, developing, delivering and managing online courses in the context of higher education institutions. The participants will learn the classroom management strategies through Technology Enabled Teaching. The faculty members will be enabled to adaptonline assessment strategies in teaching and also learn the Learning Management System.

ELIGIBILITY, TARGET GROUP AND DURATION
Faculty members working in universities and colleges from all disciplines that are included under section 2(f) of the UGC Act, even though they may not yet be fit under Section 12 (B) may participate . The teachers of colleges that do not yet come within the purview of Section 2(f), but have been affiliated to a university for at least five years, may also participate in the Workshop.

PRE-REQUISITES: The teacher participating in the course must have

- Proficiency in MS Office and basic internet knowledge
- Desktop/Laptops with good internet connectivity
- Webcam, Microphone, headphones with Multimedia enabled

REGISTRATION FEE PARTICULARS: The Registration fee for the course is Rs. 1000/- (Rupees One thousand Only) (non-refundable/ non-transferable) to be paid online in Director ASC Bank Account number 30644576182; IFSC code: SBIN0003739 State Bank of India, Ravishankar University Branch,Raipur. For any assistance regarding payment please contact–Dr. Arvind Agrawal on 9754233057 or Dr. Brijendra Pandey 9827159831

HOW TO APPLY: The Faculty members desirous to participate in the program are requested to register their details at given link: https://forms.gle/tud3etpdxnBGBz7S7 on or before **31st** January 2022 upto 11am.

SELECTION CRITERION: Selection will be based on first-come-first-serve basis to a maximum number of 40. The list of selected participants will be intimated through E-mail.

IMPORTANT NOTE:
- Submission of Registration form is mandatory
- Further details regarding the Online Workshop will be conveyed on registered Email ID of the selected Candidates.
- Certificate of participation will be given after the successful completion of the course by the participant.

CONTACT:
moocprsu@gmail.com, hrdcprsu@gmail.com

Key contact Persons
- Dr. Shailendra Saraf, Director, HRDC (hrdcprsu@gmail.com)
- Dr. Sanjay Tiwari, Workshop Coordinator (9424225771)
- Dr. Arvind Agrawal, Assistant Professor, HRDC (9754233057)
- Dr. Brijendra Pandey, Assistant Professor, HRDC (9827159831)

☎ 0771 2263828

MOOC