



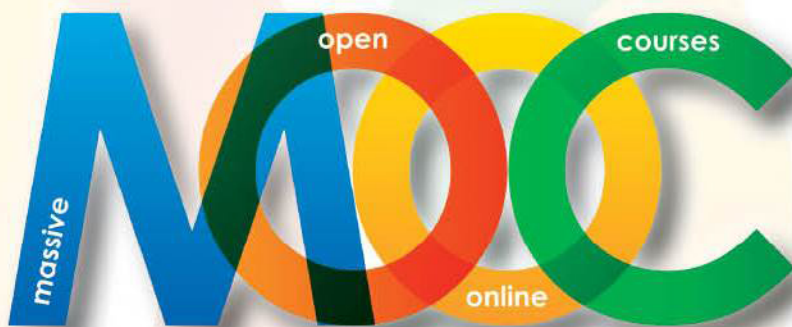
UGC HUMAN RESOURCE DEVELOPMENT CENTRE

Pt. Ravishankar Shukla University, Raipur Chhattisgarh

A Report on

Workshop on MOOCs, E-content Development and
Open Educational Resources

19-24 August, 2019





A National Level Six Day UGC Workshop on “MOOCs, E-content Development and Open Educational Resources”

19th - 24th August, 2019

The Human Resource Development Centre of Pt. Ravishankar Shukla University, Raipur has conducted National Level Six Day UGC Workshop on **“MOOCs, E-content Development and Open Educational Resources”** from **19th - 24th August, 2019**.

WORKSHOP OVERVIEW:

With the objective to enhance the quality of teaching in the country, the MHRD is emphasizing on the use of 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 access to 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.

The main objective of the workshop 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 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 21st century learning environment.

The MHRD, under its National Mission on education through ICT has developed around 10,000 plus modules in 57 subjects which are available on the “ePG Pathshala website” as Open Educational Resource to be used as a supplementary reading material. Open Access Educational Resources as e-PG Pathshala, Vidya-Mitra Portal, SWAYAM MOOCs Courses.

This workshop will address various issues relating to planning, developing, delivering and managing online courses in the context of higher education institutions. The workshop will help the delegates to understand the role and application of MOOCs and other Open educational resources to bring the effectiveness in the delivery of education. The workshop will also look at the platforms available for launching online/MOOCs and the problems/challenges involved in the course delivery. Furthermore, the workshop will attempt to develop skills for designing courses and its delivery through network of individuals and institutions.

LEARNING OBJECTIVES:

The primary objective of this workshop is to introduce MOOCs pedagogy and the open source educational platforms to the University and College teachers. Participants will develop their insights into the challenges and potentials of MOOCs. They will acquire practical understanding of the existing open source MOOCs platforms, which helps them to develop effective MOOCs suited for their audience. Some other objectives are:

- To enable how a lecture could be restructured into short, self-contained segments with high interactivity to engage students more effectively
- To enable participants to learn using FOSS tools through hands-on-experience
- To train the participants to use MOOC 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 Moodle-MOOC platform;
- To understand the process of planning, designing and implementing online courses in line with SWAYAM MOOC requirements

- To create better and active communication and collaboration with the students and to design and manage learning assessment using Moodle MOOC Platform

COURSE CONTENT & TOPICS

Major Topics Covered in the Workshop:

- Introduction to e-Learning, Tools & techniques, standard to create e-content;
- e-Content projects in India;
- Introduction to MOOCs and its platforms;
- Features and Functionalities of MOOCs;
- Pedagogical framework for MOOCs
- Assessment, Certification and Recognition under MOOCs Courses
- Role of faculty in blending MOOCs in regular Curriculum.
- Benefits and scope for teaching community.
- Best practices in implementing MOOCs and Open Educational resources

Resource Persons:

1. **Prof K. Srinivas**, Head ICT & PMU, NIEPA, New Delhi.
2. **Dr. Deepak Bishla**, System Administrator, Ambedkar University, New Delhi.
3. **Dr. Mythili**, Deputy Director, STRIDE, IGNOU, New Delhi.
4. **Dr. Nisha Singh**, Deputy Director, R&D, IGNOU, New Delhi.
5. **Dr. V. P. Joshith**, Assistant Professor, Central University of Kerala.
6. **Dr. Deepankar Bhoumik**, SCERT, Raipur.

Total No. of Participants: **37**

Day 1:

Education for everyone as Ministry of Human Resource Development says. A breakthrough event held in Chhattisgarh's largest and oldest institution of higher education. Participants from different horizons took long a way to participate in this six days workshop. The event



Lightning Lamp during Inaugural of Workshop by Prof. A.K. Gupta, Director, HRDC; Dr. Sanjay Tiwari, Workshop Coordinator; Prof K. Srinivas, Head ICT & PMU, NIEPA, New Delhi

inaugurated with lamp lighting and worshipping goddess Maa Saraswati with essence of University Kulgeet at background. Prof. A.K. Gupta, Director, Human Resource Development Centre, Dr. Sanjay Tiwari, Workshop Coordinator along with Our Resource person, Prof K. Srinivas, Head ICT & PMU, NIEPA, New Delhi inaugurated the event. Dr. Sanjay Tiwari gave the brief introduction explaining the key objectives of the workshop after welcoming the professor/participants came from different corners of the Nation, then after Prof. A.K. Gupta addressed the participants, introduced & invited the resource person to begin the event.



Prof. A.K. Gupta, Director, HRDC & Dr. Sanjay Tiwari, Workshop Coordinator Presenting Memento to Resource Person Prof K. Srinivas, Head ICT & PMU, NIEPA, New Delhi

Prof K. Srinivas said, "Arrival of Massive Open Online Courses (MOOCs) has revolutionized the higher education landscape", He further included that UGC has introduced new courses on SWAYAM (Study Web of Active Learning by Young and Aspiring Minds) platform giving value addition to Higher education.

UGC planned to bring Digital India in to practice with the inclusion of each Universities across Nation. SWAYAM is a platform that facilitates hosting of all the courses, taught in classrooms from Class 9 till post-graduation to be accessed by anyone, anywhere at any time. All the courses are interactive, prepared by the best teachers in the country and are available, free of cost to any learner. Prof. Srinivas introduced the necessary tools and the necessity of the future updating. He introduces the various facility of MOOCs that available at everywhere now. He explain the goals of MHRD and the important objective is "Quality Education for to Everyone" nowadays the institution need not to worry about the infrastructure that like buildings and updated books to each students they could spread the quality education that is up to the date through the support of technology. MOOC delivers the content to the students through the technology which is more reliable and transparent to the staff and students.



Describing about Moodle, he said “It is a learning platform designed to provide educators, administrators and learners with a single robust, secure and integrated system to create personalized learning environments.” Using Moodle, educational work can be effectively carried out & educational institutions and others can integrate it to deliver the lecture efficiently. He also explained the benefits of using Screencastify in new methods of teaching.

Day 2:

Day started with welcoming our second energetic resource person Dr. Deepak Bishla, IT Expert & System Administrator from Ambedkar University, New Delhi followed by Feedback of participants on previous Day.

Dr. Bishla said, “Instructional Design for MOOCs bring in the additional challenges of scale, diversity, engagement & completion that adversely affect the MOOC learning experience”. Explaining about SWAYAM he added the of users including students, teachers, professionals, senior citizen, housewives etc. who have registered for various courses under SWAYAM are over 25 lakhs & the registration during the current academic year are over 4 lakhs.

He added, “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. He explains the various methodologies of teaching by using digital tools. He insists to prepare the classes with screen recording is also known as screencast.

He encouraged the participants for using open educational resources/ softwares. Usage of available OER softwares make the presentations & class more interactive.



Resource Person Dr. Deepak Bishla addressing the Participants of Workshop

Giving examples of Mentimeter, Presentationtube, Plotagon, apowermirror, he explained their working.

Day 3:



Hon'ble Vice-Chancellor of University Prof. K.L. Verma addressing the Participants of Workshop

Hon'ble Vice-Chancellor of University Prof. K.L. Verma gave his vital presence and made the Day more memorable. He welcomed Dr. Mythili, Deputy Director, STRIDE, IGNOU, New Delhi & Dr. Nisha Singh, Deputy Director, R&D, IGNOU, New Delhi, the resource persons of third day. Prof. Verma then addressed, "I highly

encourage faculty to explore potential opportunities to experiment with digital education and engage with other faculty and experts on campus".

Dr. Nisha said, "The online courses delivered on SWAYAM are going to reduce the digital divide. It shall turn out to be a disruptive technology and change the present business model of higher education".

She explained the method & ways to develop the content for online courses. She advised the participants to avoid the usage of copyright materials & encouraged to use OER.

She further added that STC (Short Term Courses) had been introduced to the various departments. She noted the need and the importance of BOOKS PEDAGOGY, and made our participants to concentrate



Dr. Nisha Singh, Deputy Director, R&D, IGNOU, New Delhi, addressing the Participants of Workshop

the first step on objectives and outcomes of the courses and clearly pictured the role of staff and students and their commitment boundaries in MOOC learning.

Day 4:



Dr. Mythili, Deputy Director, STRIDE, IGNOU, New Delhi, addressing the Participants of Workshop

Continuing the zeal of previous day learning the fourth day started with addressing of Dr. Mythili, Deputy Director, STRIDE, IGNOU, New Delhi. Emphasizing over Online Educational Learning Environment she told, "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 tailoring learning 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."

She told that contents which are available at MOOC are in various formats that are useful resources to the students at 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 a 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.

Day 5:

Dr. V. P. Joshith, Assistant Professor from Central University of Kerala was the resource person for fifth and concluding sixth day of the workshop. Dr. Deepankar Bhoumik from SCERT, Raipur was the guest speaker on fifth day.

Dr. Joshith discussed about OER and many other applications available over internet. Likewise usage of Kahoot 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



Dr. V. P. Joshith, Assistant Professor from Central University of Kerala, explaining about OER to the Participants of Workshop

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.

Speaking about Presentationtube he said, "PresentationTube allows teachers to narrate and annotate PowerPoint slides and synchronize a variety of essential visual media, including webcam video, whiteboard, Web content, YouTube video, and computer screen. The screen recorder automates the process and ensures that presenters only need minimal technical knowledge and spend no additional time creating materials." Participants can use PresentationTube to support learners by presenting curriculum materials, illustrate concepts that are less easily explained through traditional media, support new types of learning opportunities, and provide enrichment activities for students in traditional face-to-face lectures or through e-learning environments.

Dr. Bhoumik from SCERT, Raipur explained their works towards the integration of ICT Information and Communication Technology in school education in the region of Chhattisgarh. It is the mode of education that use information and communications technology to support, enhance, and optimise the delivery of information. He said, "One



Dr. Deepankar Bhoulmik, State Head, SCERT, Raipur, explaining about benefits of ICT to the Participants of Workshop

way to improve the quality of education is to make use of efficient technology in an institution, this in turn, open up more opportunities for the teachers and students as well.

All these would result in flexible and considerably smoother learning environment and this would facilitate better results, and the accreditations too."

Day 6:

Dr. Joshith started the session by explaining how to create the account on Moodle and what all process which needs to be followed for development 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 be placed
- select either the 'Add a resource...' or 'Add an activity...' menu
- select the appropriate option from the pull down list

In the Second half of the concluding day participants discussed their assignment which was provided to them on previous day. Participants gave presentations over what they have learnt in past five days. Speaking about their experience and the learnings from the workshop, a participant said, "The workshop has been very informative in various aspects to use MOOC as an adjunct to face-to-face teaching and to teach in a fully online or distance learning context. He said that this workshop proved as a milestone in



understanding the six systematic methods viz. Designing a Course, Developing a course, Delivering a course, Transacting a course, Motivating and Engaging the learners, Assessment and Interaction of learners.



Participants presenting their work in the concluding day of Workshop

The Valedictory Session of the Workshop & Certificate Distribution was held thereafter on 24th August 2019 at 4:00 PM.

LIST OF PARTICIPANTS

S. No.	Name of Participants & Name of College/University	Subject	Email ID	Contact
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30.	Dr. Vikash Chandra Indira Kala Sangeet Vishwavidyalaya, Khairagarh (C.G.)	Painting (Visual Art)	Chandraart1983@gmail.com	78914-91680
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34.	Mr. Gajendra Singh Rathore Institute of Renewable Energy Technology & Management Pt. Ravishankar Shukla University, Raipur (C.G.)	Renewable Energy	Gajendra05in@gmail.com	98279-66082
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MEDIA COVERAGE

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Thursday August 22 2019

Workshop on MOOCs, E-content Dvpt & Open Educational Resources at PRSU

■ Staff Reporter
RAIPUR, Aug 21

MASSIVE Open Online Courses (MOOCs) are fast gaining popularity among students and working professionals as it helps them study at their convenience and time. UGC Human Resource Development Centre of Pt Ravishankar Shukla University (PRSU), Raipur is organising Workshop on MOOCs, E-content Development and Open Educational Resources during August 19-24. The workshop is attended by faculty members across the country from Coimbatore, Hyderabad, Madhya Pradesh, Karnataka, Madhya Pradesh, Maharashtra and 25 from all parts of Chhattisgarh and involved a good interaction between the resource-person and the audience.

The main objective of the workshop 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 teaching is blended with traditional teaching-learning pedagogies for better learning outcomes. The workshop covers hands-on



The Resource Persons and Faculties posing for a photo session on the sideline of a workshop at PRSU.

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).

PRSU Vice Chancellor Prof K. L. Verma on the occasion said, "I highly encourage faculty to explore potential opportunities to experiment with digital education and engage with other faculty and experts on campus." Professor Sanjay Tiwari, Coordinator of STC Workshop said the biggest advantage of MOOCs is accessing study content taught by the best faculty at any given time. It is the endeavor of MHRD to

align the courses on the SWAYAM portal with the curriculum of Universities, said Dr A K Gupta, Director, HRDC.

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

However, instructional designs for MOOCs bring in the additional challenges of scale, diversity, engagement and completion that adversely affect the MOOC learning experience, he said. Dr Bishla, IT Expert from Dr Ambedkar University, New Delhi said the SWAYAM MOOC courses are interactive, prepared by the best teachers in the country and are available, free of cost. The number of users including stu-

dents, teachers, professionals, citizens, housewives etc. who have registered for various courses under SWAYAM are 25.57.118 and the registrations during the current academic year are 4.36.431.

Dr Mythili from IGNOU said the Online Courses delivered on SWAYAM are going to reduce the digital divide. It shall, turn out to be a disruptive technology and change the present business model of higher education.

The resource persons of the course including Prof K. Srinivas, Prof & Head ICT, NIEPA, New Delhi, Dr V P Joshi, Central University of Kerala, Dr Mythili, Dy Director IGNOU, Dr Nisha Singh, Dy Director IGNOU, New Delhi, Dr Deepak Bishla, Ambedkar University, New Delhi.

शिक्षकों को ओपन कोर्स सॉफ्टवेयर और नई तकनीक की दी जानकारी

रायपुर। नईदुनिया प्रतिनिधि

रविवार में छह दिवसीय कार्यशाला का आयोजन

पं. रविशंकर शुक्ल विश्वविद्यालय के मानव संसाधन विकास केंद्र में आयोजित छह दिवसीय कार्यशाला आयोजित की गई है। इसका विषय 'मैसिव ओपन आनलाइन कोर्स, ई-कॉन्टेंट डेवलपमेंट और सुगम उपलब्ध शैक्षणिक संसाधन' है।

कार्यशाला में दूसरे दिन भी कई ट्रेनों ने ट्रेनिंग दी। इसमें दीपक बिस्ला, सिस्टम एडमिनिस्ट्रेटर डॉ. बी.आर. आंबेडकर विवि एवं एनसीटी गवर्नमेंट दिल्ली ने प्रभावी शिक्षण के लिए विभिन्न ओपन कोर्स सॉफ्टवेयर की जानकारी दी। उन्होंने विवि व कॉलेजों में 'स्वयं' प्लेटफॉर्म पर

उपलब्ध कोर्स को स्वीकार करना और इसमें सक्रिय भागीदारी कैसे दे सकते हैं, इस पर जानकारी दी और लोगों के सारे संदेहों को दूर किया। ई-कॉन्टेंट कलेक्शन में ओपन एजुकेशनल रिसोर्सेज के महत्व को शिक्षकों से साझा किया। प्राध्यापकों को प्रभावी शिक्षण के लिए ओपन सॉफ्टवेयर में प्रजेन्टेशन ट्यूब डॉट कॉम से सिंपल पीपीटी को वीडियो, साउंड एड करके उसके एंबेडेड कोड को विभिन्न प्लेटफॉर्म में शेयर करना सिखाया। साथ ही कॉन्टेंट बनाना, उसकी कंटेंटिंग करने के लिए डेमो देकर समझाया।

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'स्वयं' के डिजिटल प्लेटफॉर्म पर कई ऑनलाइन कोर्स, रविवार छात्रों को करेगा जागरूक बीए के साथ ही ऑनलाइन कर सकते हैं साइंस की पढ़ाई, मनचाहा विषय पढ़ने की भी छूट

एजुकेशन रिपोर्टर | रायपुर

बीए, बीकॉम, बीएससी करते हुए स्टूडेंट्स ऑनलाइन ही अपने मनचाहे विषय को पढ़ सकते हैं। ये चाहे तो साइंस, इंजीनियरिंग से जुड़े विषय पढ़ें या फिर मैनेजमेंट से। इन कोर्स को करने के बाद स्टूडेंट्स यदि परीक्षा देते हैं तो इसके नंबर अंकसूची में भी जुड़ सकते हैं। मानव संसाधन विकास मंत्रालय से 'स्वयं' नामक डिजिटल प्लेटफॉर्म की शुरुआत कुछ साल पहले हुई। इस पर ऐसे ही कई कोर्स उपलब्ध हैं। इन कोर्स के लिए अब रविवार भी छात्रों को जागरूक करेगा। इसको लिए रविवार की जा रही है।

शिक्षाविदों का कहना है कि रविवार ने कुछ महत्वपूर्ण बदलाव ऑनलाइन कोर्स के लिए रविवार भी बनाया है। देश के अन्य शिक्षण संस्थान एवं विश्वविद्यालयों की तरह रविवार भी ऑनलाइन कोर्स तैयार करेगा। इसकी भी तैयारी चल रही है। इस संबंध में विधि प्रशासन की जल्द बैठक होने वाली है। शिक्षाविदों ने बताया कि 'स्वयं' डिजिटल प्लेटफॉर्म है। इसके अंदर कई ऑनलाइन कोर्स हैं। यह गुणवत्ता पर जोर देता है। यूजीसी से यूनिवर्सिटी व कॉलेजों को ऑनलाइन कोर्स एडॉप्ट करने के लिए कहा गया है। इसे लेकर कई विधि में तैयारियां चल रही हैं। गौरतलब है कि ऑनलाइन कोर्स को लेकर रविवार में छह दिवसीय नेशनल वर्कशॉप का आयोजन किया जा रहा है।



ऑनलाइन कोर्स को लेकर रविवार में छह दिवसीय नेशनल वर्कशॉप शुरू हो चुका है। प्रदेशभर के शिक्षक शामिल होंगे।

छात्रों को दिक्कत आने पर जानकारों की ऑनलाइन मदद का भी विकल्प

शिक्षाविदों ने बताया कि ऑनलाइन के तहत 16 एप्लीकेशन का कोर्स है। जिसमें 40 घंटे का कंटेंट है। इसमें नोट्स, टेक्स्ट समेत अन्य शामिल हैं। इसमें ऐसी सुविधा है कि ऑनलाइन कोर्स को लेकर कोई परेशानी होने छात्र ऑनलाइन ही सवाल कर सकते हैं। 'स्वयं' का ऑनलाइन कोर्स के तहत कोई भी, कहीं भी और कभी भी शिक्षा ले सकता है। इसमें यह जरूरी नहीं है कि कोई वर्तमान स्टूडेंट हो पढ़ाई करे। कोई भी व्यक्ति मनचाहा विषय को पढ़ सकता है। पढ़ाई के लिए किसी तरह का शुल्क नहीं है। परीक्षा में शामिल होने पर फीस देनी होगी।

एक्सपर्ट व्यू

ऑनलाइन एजुकेशन पर जोर

रविवार में इलेक्ट्रॉनिक विभाग के अध्यक्ष डॉ. संजय निवारी ने बताया कि ऑनलाइन एजुकेशन की भविष्य की डिमांड है। इसे बढ़ाने पर जोर दिया जा रहा है। 'स्वयं' डिजिटल प्लेटफॉर्म है। यहां कई ऐसे कोर्स हैं जो नियमित शिक्षा के तहत कई विश्वविद्यालयों में हैं। इसका लाभ छत्र उठा सकते हैं।

ववालिटी के लिए जरूरी

राष्ट्रीय शैक्षणिक योजना एवं प्रशासन संस्थान में आईसीटी के अध्यक्ष प्रो. के. श्रीनिवास का कहना है कि ऑनलाइन कोर्स की जरूरत इसलिए है, क्योंकि क्वालिटी जरूरी है। कई जगहों पर, संस्थानों में शिक्षकों की कमी है। क्वालिटी की कमी है। अच्छे कंटेंट की कमी है। ऑनलाइन कोर्स में कंटेंट अच्छे टीचरों की मदद से तैयार कराया गया है। इसका फायदा छात्रों को कई तरह से मिलेगा। इसलिए गुणवत्ता के लिए लिताज से ऑनलाइन कोर्स जरूरी है। स्कूल से लेकर उच्च शिक्षा स्तर ऑनलाइन कोर्स मौजूद है।





Minute to Minute Programme

HRDC UGC Workshop on MOOCs, E-content Development and Open Educational Resources

Valedictory Function

Venue: Seminar Hall, HRDC Building

Saturday 24th August, 2019

03:00 PM	Arrival of Dignitaries to the Dias
03:01 PM	University Kulgeet
03:05 PM	Welcome of Guests
03:10 PM	Welcome Address & Brief report on Workshop by Prof. Sanjay Tiwari, Coordinator
03: 15 PM	Address by Prof. A.K.Gupta Director HRDC, PRSU
03: 20 PM	Feedback of Workshop Participants
03:30 PM	Valedictory Address by Vice-Chancellor, Pt. RSU Prof. Keshari Lal Verma
03:40 PM	Distribution of Certificates
03:50 PM	Vote of Thanks
03:55 PM	National Anthem