

**Day 1**  
**20.8.2020**

**Online Teaching-Learning: A Transition**  
**(Dr. Ritu Mago)**

The world has taken a hit due to the widespread impact of the CoronaVirus. There is no sector or industry remaining untouched. The Teaching-Learning Spectrum has also taken an enormous hit. To combat the effect induced, educators must use the Online Learning Platform. It has been observed that students work harder when they get perspectives out of the work assigned. The education fraternity world over is trying its best to deal with the prevailing situation and India is not an aberration. We have seen the essence of Online Teaching just giving momentum in India. This transformation in the process is gradual and welcoming. After having deliberations with educators across the country, the common line of thought i.e emerging is the level of engagement of students in the online Teaching Learning Spectrum. The engagement level as a sign of success for online Teaching Learning is not encouraging as of now but we also see a glimpse of hope and an opportunity to innovate.

**ICT in Teaching Learning**  
**(Dr. Seema Sareen)**

Information and Communication Technology (ICT) has revolutionized all the spheres including teaching-learning. Keeping in view the advancement in the digital world, teachers need to equip themselves with necessary professional abilities for using ICT for teaching and learning.

There are several Free and Open Source Software that can be used in teaching- learning process as well as for the development of eContent. Some of the software are subject specific which can enhance the classroom transaction as well as the learning process.

**O Labs**  
**(Dr. Seema Sareen)**

O labs are online labs for school syllabus. The project is initiated by Amritha Vishwavidyapeetham University in partnership with CDAC and funded by the Ministry of Electronics and Information Technology, Govt. of India.. The learning platform provides physics, Chemistry and biology labs for classes 9 to 12 and lessons in English and Mathematics for classes 9 and 10. The labs provide an opportunity to students to conduct experiments in simulation. The content available on labs is aligned to curriculum of NCERT/CBSE and state boards

**Government Initiatives**

**(Dr. Seema Sareen)**

Various initiatives have been taken by MHRD ,Government of India to promote digital learning under National Mission on Education through information and Communication Technology NME-ICT project. Some of these initiatives are SWAYAM, Swayam Prabha, e pathshala, e-pg Pathshala, Spoken Tutorials, SARANSH etc.

### **Introduction about MOOCS & SWAYAM Portal(Hands-on Tutorial)**

**(Ms. Shivani Sharma)**

SWAYAM is a program initiated by the Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching-learning resources to all, including the most disadvantaged. SWAYAM seeks 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.

The courses hosted on SWAYAM are in 4 quadrants – (1) video lecture, (2) specially prepared reading material that can be downloaded/printed (3) self-assessment tests through tests and quizzes, and (4) an online discussion forum for clearing the doubts. Steps have been taken to enrich the learning experience by using audio-video and multi-media and state of the art pedagogy/technology.