

Invited Speakers

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Coordinator, Mini-moocs India

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ROYAL
ACADEMY OF
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THAPAR
Institute of Engineering and Technology
UNIVERSITY

Two Days Workshop on Innovative Research in Pedagogy For Mini-MOOCs Blended with Instruction Strategies to Enhance Quality of Higher Education

Under Newton Bhabha Research Project By Royal Academy Of Engineering ,UK

19th & 20th August, 2017



Sponsored by **ROYAL ACADEMY OF ENGINEERING, UK**
In Collaboration With **THAPAR UNIVERSITY, Patiala**

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NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY
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About NIST

The National Institute of Science & Technology (NIST) was established in the year 1996 led by technocrats-cum-academicians educated in the top Institutes of India & abroad. NIST flourished under the leadership of founder Director, Prof Sangram Mudali and the Co-founder & Placement Director, Prof. (Ms.) Geetika Mudali. The NIST is accredited by UGC-NAAC with "A" grade with a high score of 3.22 out of 4. The NIST is a premier institute of technology in India, imparting quality engineering education at the undergraduate and postgraduate levels. It is the endeavor of the Institute to expose the students and faculty to the state of the art advancements in various aspects of science and technology.

About Workshop

Two days "Train the Trainer" Workshop under the research project "**Innovative Research in Pedagogy for Mini-moocs Blended with Instruction Strategies to Enhance Quality of Higher Education**" organized by National Institute of Science & Technology and sponsored by Royal Academy of Engineering(UK) in collaboration with Thapar University (Patiala) on 18 - 19 Aug 2017.

This workshop is aimed to highlight the research in the field of Massive Open Online Courses as they have given Indian academics a better sense of how a lecture could be restructured into short, self-contained segments with high interactivity to engage students more effectively.

Topics Covered:

- ❖ Understanding MOOCs.
- ❖ Technology for development for MOOCs
- ❖ Pedagogical framework for MOOCs
- ❖ Content delivery mechanism(ease of accessibility for learners as well as trainer (teacher))
- ❖ Assessment ,Certification and Recognition under Moocs Courses

Learning Objective:

- ❖ How to Create and teach with MOOCs
- ❖ Novel pedagogical processes with MOOCs
- ❖ Best practices in MOOCs
- ❖ Challenges facing MOOCs and how to overcome them
- ❖ Adapting to MOOCs pedagogy

Highlights Of The Workshop:

- ❖ Introduction to MOOCs (massively open online courses).
- ❖ Comparative Study of all online platforms for MOOCs.
- ❖ Role of faculty in blending the MOOCs in regular teaching learning.
- ❖ Benefits and future scope for the teaching community.

The objective of the project/Workshop is to enhance the capacity of the teacher to improve the education delivery experience. The Project involves design and development of mini-MOOCs:

- i. How to design MOOCs Content
- ii. MOOCs Life Cycle(Inception to Delivery)

Massive Open Online Courses(MOOCs)

The acronym "MOOC" stands for Massive Open Online Courses. The word "massive" here means that there is no limit on the number of learners who enroll in the course. The word "open" means that there are no mandatory requirements for the learners to enroll in the course. These courses are fully online and delivered through internet. These courses are highly multimedia enriched interactive online courses which offer a unique opportunity to the learner to learn these courses as per their convenience. The basic philosophy of MOOCs is 3A's i.e., Anytime, Anyone, Anywhere. All MOOCs of the various types developed under the aegis of MHRD by the various National Coordinators such NPTEL, SWAYAM etc. also international universities such as STANFORD, MIT, etc. having their own platforms.

Benefits of MOOCs

MOOCs will provide an integrated platform for online course ,using information and communication technology (ICT) and covering courses high School to post-graduate subjects including skill sector courses to ensure that every student benefits from learning material through ICT. It is:

- ❖ One-stop web and mobile based interactive e -content for all courses from high school to university level.
- ❖ High quality learning experience using multimedia on anytime ,anywhere basis ; State -of-the-art system that allows easy access,monitoring and certification ;
- ❖ Peer group interaction and discussion forum to clarify doubts;

