



Centre of Excellence in Teacher Education

Tuesday Seminars on Education Research (T-SER) 2021-22

Constructivist teaching and learning with technologies in the COVID- 19 lockdown in Eastern India

Amina Charania

November 23, 2021; 4.30-5.30 pm (IST)
(on zoom)

This talk is based on a study on teaching and learning strategies used by secondary government school teachers and students in Eastern India during the COVID-19 lockdown period (CLP). These teaching and learning strategies were analysed in relation to their engagement with the initiative, Integrated approach to Technology in Education (ITE). ITE engagement pre-CLP involved using project-based learning (PBL) with technology and continuous, practise-based professional development for teachers focusing on integrating constructivist use of technology in their curriculum and pedagogy. Survey and interviews with teachers showed that teachers with higher ITE engagement before CLP were more likely to use PBL with technology during the CLP. Students' interviews indicated that PBL involved deep research and technical skills that were also practised during the CLP using distance technologies. The study demonstrated adaptation of ITE innovation into a distance mode; the introduction of WebQuests during the CLP improved the likelihood of teachers engaging in project-based teaching and PBL during the CLP. We recommend policymakers, practitioners and researchers to adopt and study the sustainability of ITE approach in new contexts.



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Amina is Associate Professor at CETE, TISS. She initiated and led the initiative, Integrated approach to Technology in Education (ITE) at Tata Trusts. She also leads the Teacher Professional Development cell of the of CETE and has served on various international academic groups, and state and national level committees in India for technology enabled learning and teacher professional development. Over the years, she has gathered first-hand experience from the rural middle and secondary schools and madrasas culminating in research in the area of integrating ICT for enabling constructivist approaches in teaching and learning, and models of continuous professional development. Currently she is researching teaching strategies and TPD using Digital Badges in COVID Lockdown Period.

Registration link
<https://bit.ly/T-SER6>

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The **CETE** Tuesday Seminars on Education Research bring together researchers working in wide ranging areas of education to share theoretical, empirical and methodological insights from their research.

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