

**CTIER**

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# SEMINAR SERIES

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October 2025



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## Role of Absorptive Capacity and Science and Technology Parks in Regional Innovation: A Triple Helix Perspective from India

**Abstract:** This study explores the impact of regional absorptive capacity and government-established science and technology parks (STPs) on innovation within the triple helix framework in India. Analysing data from 24 states between 2000 and 2020 using negative binomial regression, the findings show that higher business R&D expenditure, an increased number of universities, and the presence of STPs are strongly associated with improved patenting activity. While STPs individually support innovation, their moderating effect on the absorptive capacity–innovation link is negative, suggesting possible inefficiencies in collaboration. The study highlights the need for tailored policy measures to strengthen absorptive capacity and improve triple helix interactions.



DATE  
October 15th

TIME  
5.00-6.00 p.m.