

Keeping Software Engineering Education Up-to-date with Globally Distributed Software Development

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Abstract

This presentation will describe three years of a teaching initiative between Pace University in New York City, the Institute of Technology of Cambodia in Phnom Penh and the University of Delhi in India. The partnership brought together undergraduate and graduate students of the three countries to work on globally distributed software development projects, while also exploring the entrepreneurial opportunities that can arise from such collaboration. Students worked together to engineer small software systems that were specific to the local Cambodian market. ITC students acted as customers. Pace undergraduate students acted as developers. Graduate students of the University of Delhi worked as database sub-contractors. The setup integrated strong mentoring aspects where Pace graduate students acted as mentors for the Pace undergraduate students and auditors on the project quality. This presentation will emphasize the three-year evolution of this innovative software engineering teaching initiative, the lessons learned and the resulting entrepreneurial opportunities.