Combining Wikis and JiTT to enhance critical thinking abilities

HASHINI MOHOTTALA, University of Hartford, West Hartford, CT 06117 — I report the combine use of Just in Time Teaching (JiTT) and Wikispaces (Wikis) in introductory level, calculus based, physics classes. Over the years, JiTT had been effectively used in teaching physics and some uses on Wikis were also reported in the recent years. Wiki helps students, instructors and technology to interact with one another and JiTT boosts the self-confidence of students to tackle physics problems. Thus, the combine use of Wiki-JiTT is going to be a new experience for both instructors and students. In this experiment, I used Wikis as a platform for JiTT, and conventional JiTT was slightly altered to best fit the combination and to focus on enhancing critical thinking abilities in my students.

1H. Mohottala The Physics Teacher – September 2011 – Vol. 49, Issue 6