

Abstract Submitted
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Applying Project Based Teaching and Learning (PBTl) to Undergraduate Physics Courses DIPTI SHARMA, WIT — Teaching Physics to Physics minors and class filled with diverse students is always challenging. Several research has been taking place to improve teaching methods for diverse students. The present work focuses project based teaching and learning (PBTl) where a project is assigned to the class as a group of two or three students where they are asked to use and explore the physical concepts learned during the course with real world applications. It came out that students can understand the concepts in much easier way using PBTl and shows improvement in their final grades when compared with midterm grades. Hence, in the present work, we are showing details of an undergraduate project named as “Determination of running speed of students of the Physics course under various conditions” that was run in a general Physics course during summer 2016 with its results, outcomes, improvements and application. **Keywords:** Physics, Project based teaching and learning, PBTl, outcomes, application. Diversity, pedagogy, possibilities.

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