

Technology-Enhanced Teaching Learning Using Palm Devices

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Abstract In today's ever-increasing world of information technology, it is not enough to say that teaching learning process in engineering education is not considerably efficient, since the use of traditional teaching methods like blackboard and presentations will not cope up with the new generation. Nowadays hand-held and PDA devices are becoming part of human life. As today's generation are more interested in hand-held devices, teaching learning method should focus to gather point of interest of students to enhance practical learning. The proposed work explains the technology enhanced methods implemented for UG/PG courses using palm device like Aakash Tablet. Techniques used in making the students enjoyable learning in class room Clicker app for MCQs make allowing students to solve instant queries, quotes, phrases using tabs and PDAs, Cloud apps for data sharing within the class, Use of intranet in handled devices (Moodle), Virtual labs, and Classroom presentation using android apps. These techniques were used in teaching both UG and PG subjects like soft computing and advance database systems respectively. The observations were made while implementing the abovementioned methods and some of the key factors were identified. The students found enthusiastic in learning interactively using palmtops and result analysis of both the have been made and it was observed that the student's performance was good compared to last year.

Keywords Hand-held devices • Cloud apps • Engineering education

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