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## 44. Teaching and Learning Physics in Digital India

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**Abstract:** Now a day everybody is saying we are approaching towards digital India, just by using ATMs, Swap Machine, Paytm, Bhim-app. etc. But is it possible to make digital India without making digitization of education. Still most of the teachers are using only black board and chalk for teaching. ICT has begun to have a presence but the impact has not been as extensive as in other fields. The use of ICT in education lends itself to more student-centered learning settings and often this creates some tensions for some teachers and students. But with the world moving rapidly into digital media and information, the role of ICT in education is becoming more and more important and this importance will continue to grow and develop in the 21st century. This paper highlights the use of ICT especially Android mobiles in physics teaching.

**Keywords:** Teaching Learning physics, ICT, Android Mobile Apps.

### 1. Introduction:

Computers can be put to different types of use in teaching Physics which include, simulations, computer data acquisition, animation and many more. Educational software can be used to teach difficult concepts or observe difficult skills in Physics. There are some theoretical topics in Physics that are difficult to learn such as the working of transistors, inductors, transformer which computer animation can assist to learn effectively. There are many experiments very difficult to carry out in the laboratory due to its nature, such experiment could be simulated. Chain reaction and radioactive decay in nuclear Physics cannot be easily carried out in classroom