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Experimental study of a circular motion by smartphone technology

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Technology has the potential to dramatically improve our everyday life aspects, including the time we spend in the educational environments. If we want to add the teaching means and methods, then one of the solutions would be to include the smartphones in it.

The purpose of this paperwork is their use as an experimental tool to aid the students who study physics in a way that their concepts about physics remain long in their memories.

With the integration of the smartphones in the teaching process the students get better informed about their functions and use. They learn about the sensors incorporated in them, which make them more suitable to use and measuring devices more reliable in simple teaching experiments.

The pedagogical framework proposed is focused on the active teaching and wants to develop the critical thinking on the students and the ability to research and experiment. The merging of the theory and experiments makes this method have positive premises towards a successful teaching process.

Technology is developing fast every day. The smartphone represents an essential part of it and together with the other methods that are an integral part of it they are inclined to be the best nowadays.

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