



Handheld Touch Screen Super Scope Device for Engineering Students

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Abstract: Practical Sessions are the backbone of qualification in engineering education. It leads to better understanding and allows mastering scientific concepts and theories. The lack of availability of practical sessions at many universities and institutions owing to the cost and the unavailability of skilled instructors, the most of the time caused decline in experimentation in engineering education over the last decades. Even though the revolution of remote laboratories and touchscreen based smartphone, most of engineering colleges in India continue the tradition of introducing the students to a decade old instruments. The objective is to design and develop a portable device called Super Scope which is ALL-IN-ONE electronics laboratory equipment that has multiple functionalities needed by a modern day engineering students for their practical experiments in electronics laboratory that would replace the existing superfluity of instruments. The device is completely operated from touch screen using touch buttons and menus.

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