VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM-590018

A PROJECT REPORT ON

"Multi-Touch Reactable"

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in

INFORMATION SCIENCE AND ENGINEERING

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Abstract

Multi-touch technology is an advanced human-computer interaction technique that recognizes multiple touch points and also includes the hardware devices that implement it, which allow users to compute without conventional input devices. Multi-touch consists of a touch screen (screen, table, wall, etc.) or touchpad, as well as software that recognize multiple simultaneous touch points, as opposed to the standard touchscreen which recognizes only one touch point at a time. This project is focused on building one such multi-touch screen and its applications that responds to screen gestures and fiducially markers.

That future is already here. The increase rate of how touch screen hardware and applications are used is growing rapidly and will break new grounds in years to come. This new technology requires new ways of detecting inputs from the user-inputs which will be made out of on-screen gestures rather than by the pressing of buttons or rolling mouse wheels.