

# Speed Control of Induction Motor using Android

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**Abstract:** *Speed control of induction motors using Android devices is an innovative and convenient way to manage and adjust the speed of these widely used electric motors. Induction motors are essential components in various industrial and residential applications, such as fans, pumps, conveyor belts, and many more. Controlling their speed efficiently can lead to energy savings, process optimization, and improved overall performance. In this context, Android-based speed control systems offer several advantages, including user-friendly interfaces, remote accessibility, and the ability to integrate with other smart systems. This introduction will provide an overview of the concept and benefits of speed control of induction motors using Android.*

**Keywords:** Arduino, Speed.

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