

VOLTAGE BASED CONTROL OF INDUCTION MOTOR USING ADVANCED VOICE RECOGNITION & COMMAND SYSTEM

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ABSTRACT

It is difficult to work in dangerous environment in numerous of the businesses. Human can survive as it were certain sum of temperature, weight etc. To work in environment over a run will cause risk to human life. Thus the framework is planned to diminish hazard of human life as well is more precise and computerized to alter itself to commanded parameters. The framework has highlight of voice command-based control of IM Drive for mechanical purposes through strategy of voltage variety. Moreover, it has essential highlights of drive assurance based on warm and over current security of drives. Gadget is having closed input circle framework based on tachometer speed sensor to alter speed precisely and keep up it indeed in the event that stack shifts. The voice acknowledgment gadget utilized is Alexa by Amazon and it communicates to custom planned drive control through Wi-Fi utilizing Hub MCU

KEYWORDS: *3 Phase Induction Motor, Voice Controlled Induction Motor, Voice Recognition Module, Microcontroller, Speed Control, AC Motor, Alexa Echo Device, Voice Reorganization And Command System, Variable Frequency And Variable Voltage Drive VFD*