

Soil Moisture Detector System

Prof. Sugre D. D.¹, Ms. Aboli A. Karmude², Ms. Kshitija G. Birajdar³

Ms. Shraddha B. Patil⁴, Ms. Janhavi P. Kulkarni⁵

Professor, Department of Computer Engineering¹

Students, Department of Computer Engineering^{2,3,4,5}

Vishweshwarayya Abhyantriki Padvika Mahavidyalaya, Almala, India

Abstract: *This project aims to design and develop a Soil Moisture Detection System. This product is used to measure soil moisture level. Some of those who are involved in agriculture sector are having difficulties to monitor their soil moisture level. Not all of those who involve in the agricultural sector can afford a soil moisture sensor because it is expensive and if the sensor's component broke, it cannot be replaced. The purpose of this innovation is to help farmers and gardeners monitor their soil moisture level easily.*

Keywords: Soil Moisture Sensor, Arduino, Nickel-Cadmium Battery, 9V Battery Connector, 9V Rechargeable Battery, Switch

