**STEPCONE-2024**

**STANDARD OPERATING PROCEDURE**

**EVENT NAME:** Sensors, Sensing & Programming

**DEPARTMENT NAME:** ECE

**EVENT TYPE:** Workshop

**EVENT DESCRIPTION:** Hand-on exposure will be provided to the learners on Arduino board hardware and programming. Learners will also understand features of various sensors. Given the knowledge about basic sensor used in different real time applications , and significance of Arduino board and basic introduction to it and basic introduction to Node MCU and it significance in different applications. programming and interfacing sensors with Arduino board and understanding the interfacing of Node MCU with cloud by using real sensors and Arduino board increases practical experience it use full for clear understanding. Learning how to interface various sensors with Arduino helps students understand how to gather and process data from the physical world, an essential skill in many engineering disciplines.

**EVENT GUIDELINES:**

(i) Participants must attend both the sessions then only they will be eligible to get certificate.

(ii) The workshop will be conducted if minimum 10 participants register for the workshop

**Team Size/No of Participants:** Maximum 40 participants

**PLAN OF ACTION:** 3 hours two sessions will be conducted. One Forenoon session and another Afternoon session.

At the end of the workshop participants will attempt a quiz and they will provide the feedback of the workshop.