



# STEPCONE-2024

## STANDARD OPERATING PROCEDURE

**EVENT NAME: Arduino and IoT-Based Electrical Appliances**

**DEPARTMENT NAME: EEE**

**EVENT TYPE: WORKSHOP**

**REGISTRATION FEE: 200/-**

**EVENT COORDINATORS:**

1. P. Deepthi
2. J. Chiranjeevi

**EVENT DESCRIPTION:**

Unlock the world of innovation and connectivity in the realm of electronics with our upcoming workshop on "Arduino and IoT-Based Electrical Appliances." This hands-on workshop is designed for enthusiasts, students, and professionals eager to delve into the exciting intersection of Arduino programming and Internet of Things (IoT) technology.

**EVENT HIGHLIGHTS:**

**Arduino Fundamentals:** Explore the basics of Arduino programming, covering key concepts, syntax, and functions. Gain proficiency in using Arduino boards, sensors, and actuators to build a strong foundation for your IoT journey.

**Introduction to IoT:** Delve into the fascinating world of the Internet of Things. Understand the principles behind IoT and how it enables seamless communication and control among interconnected devices.

**Practical Application:** Move beyond theory and get hands-on experience in developing IoT-based electrical appliances. Work on real-world projects that showcase the integration of Arduino with IoT technologies.

**Smart Appliance Development:** Learn how to transform ordinary appliances into smart devices. Discover the potential of Arduino and IoT in creating intelligent and responsive electrical systems.

**Networking Opportunities:** Engage with like-minded individuals, share ideas, and collaborate on projects. Networking sessions provide a platform for participants to connect with professionals and peers who share a passion for Arduino and IoT.

**Expert Guidance:** Benefit from the expertise of seasoned instructors who bring a wealth of knowledge in Arduino programming and IoT applications. Get valuable insights and tips to enhance your skills.

**Challenges and Solutions:** Explore potential challenges in implementing IoT solutions and discover effective strategies to overcome them. Learn from real-world scenarios and case studies.

**PLAN OF ACTION:**



It is dayshift event happens for three hours

Date: [To Be Announced]

Time: [To Be Announced],

Venue: [To Be Announced]

**REGISTRATION:**

Don't miss this opportunity to immerse yourself in the dynamic world of Arduino and IoT. Join us for a transformative workshop that promises to equip you with the skills needed to design and innovate in the era of smart electrical appliances.

Secure your spot now and be a part of the future of IoT!

Register online at [\[Registration Link\]](#) and grab the opportunity. Limited slots available, so sign up early to ensure your participation.