# IoT Mid Term Project

Project Description: TopsOvens ™

Introducing TopsOvens™: Revolutionizing Oven Safety and Efficiency

TopsOvens™ is a cutting-edge solution designed to enhance your oven experience. Our state-of-the-art sensors are meticulously crafted to ensure precise temperature monitoring and optimal lighting conditions.

Key Features:

Temperature Precision: Our slider potentiometer offers unparalleled control over temperature thresholds, providing you with the utmost accuracy and ease of use.

Intelligent Sensors: The integrated photometer and thermistor, powered by our advanced ADC technology, ensure reliable and consistent readings. Meanwhile, a dedicated ADC manages the potentiometer, guaranteeing seamless operation.

Buzzer Alert System: Experience peace of mind with our built-in buzzer that emits a clear alert when your desired temperature is reached, allowing you to focus on other tasks.

Automatic Lighting: Say goodbye to fumbling in the dark. Our sensor detects when the oven door is closed, instantly illuminating the interior for clear visibility.

Customizable Thresholds: Tailor the settings to your specific needs with user-adjustable threshold values. This puts you in control, ensuring your culinary creations are cooked to perfection every time.

LCD Display: Keep track of the temperature and oven status at a glance, thanks to the intuitive LCD screen.

At TopsOvens™, we pride ourselves on delivering a seamless, user-friendly experience. Our carefully crafted scripts, inspired by industry-leading standards, ensure optimal performance across all modules.

Presentation and Testing:

As part of our commitment to quality, each module undergoes rigorous testing before leaving our facility. We will showcase our product through a comprehensive video presentation, demonstrating the capabilities and reliability of TopsOvens™.

We look forward to introducing you to a new era of oven safety and efficiency. Elevate your cooking experience with TopsOvens™ today!