



# Abu Dhabi Polytechnic

## Students' Graduation Project Abstract

<b>Department:</b>	EMET	<b>Semester:</b>	Spring-2022
<b>Project Title:</b>	Smart Home Automation System		
<b>Supervisor:</b>	Eng. Anand Gopalakrishnan		

### Abstract:

In this graduation project report, a Smart Home Systems will be implemented and tested in a house/room like prototype. Upon using the prototype, the team will implement and design to work on different test cases in Abu Dhabi. The main objective of this project is to create a full smart home automation system that can be managed remotely using an android application. This suggested system makes use of an Android-Based smartphone or tablet with a touchscreen graphical user interface. To do this, the android application functions as the transmitter sending ON/OFF signals to the receiver, which is linked to the loads. A prototype of this project will be made in accordance with past and currently developed systems to produce a system with the most features and least disadvantages without requiring buying many systems from different brands and having one area to access all areas of the smart home. The design methodology will be done in selecting the most practical material and parameters to showcase the prototype.