

Acknowledgement

–acknowledgement page–

Abstract

–abstract–

Table of Contents

1	Introduction	4
1.1	Brief Overview	4
	Appendices	7
Appendix A	Sensor Module I²C Addresses	7

List of Figures

Figure 1.1. Conventional IoT Network Formation eclipseIoT	5
Figure 1.2. IoT Network United by EclipseIoT eclipseIoT	6

List of Tables

Table 1.1. Terminologies used in SenseStack	4
---	---

Chapter 1

Introduction

1.1 Brief Overview

–section– Itemization

- example item

Table

Table 1.1: Terminologies used in SenseStack

Term	Definition
Environmental Sensor	A piece of hardware which measures some environmental condition in its surrounding location.
Sensor module	A module which consists of a sensor hardware and a MCU which senses environmental data.
Main module	The core of a node which gathers data from sensor modules and provides data to external clients.
Node	A functioning compound of one main module and up to 10 sensor modules.
Geolocation	Positional data on earth in the format of longitude and latitude.
Basic user	An observer user which uses the platform only for gathering and viewing environmental data.
Advanced user	A basic user which intends to extend the platform.
Intra-node Comm.	Communication mechanism between sensor module(s) and a main module.

Continued on next page

Table 1.1 – *Continued from previous page*

Term	Definition
In-sensor Comm.	Communication mechanism between sensor unit and a MCU inside a sensor module.
External Comm.	Communication mechanism to emit data from main module to an external target.

figure

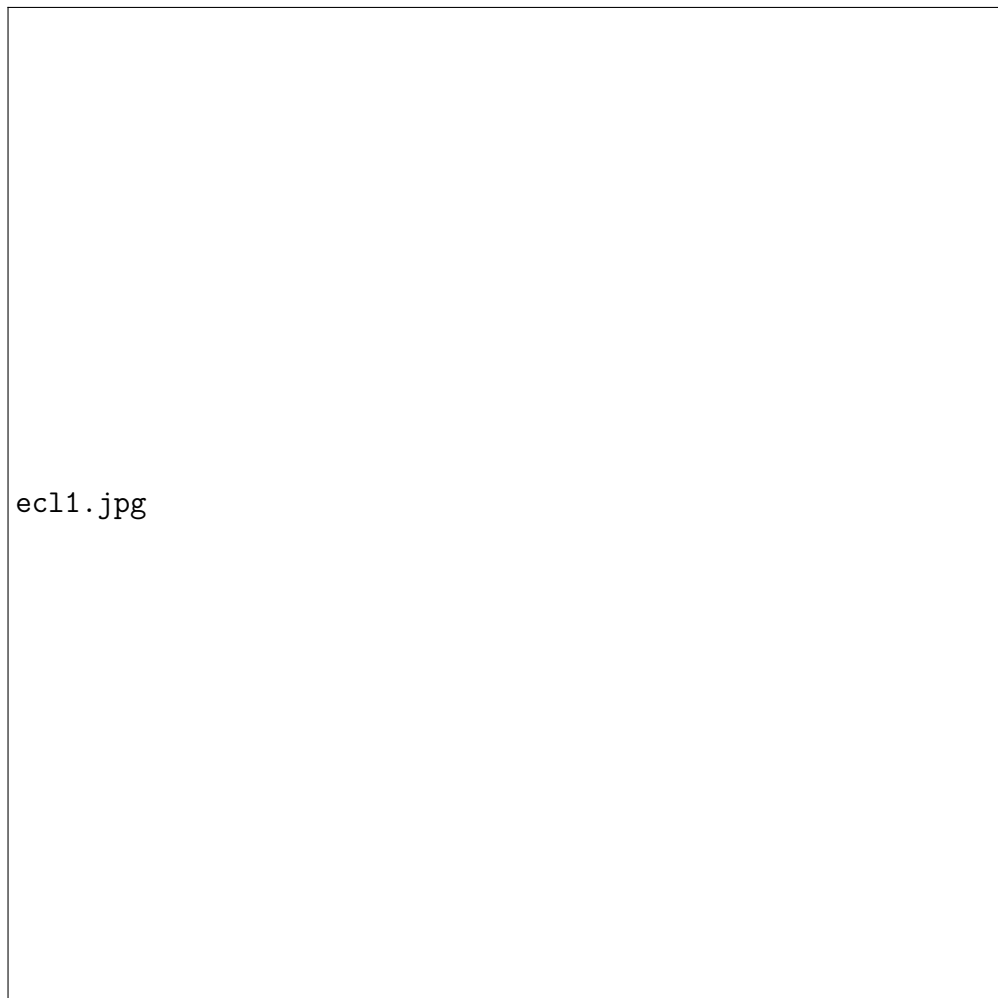


Figure 1.1: Conventional IoT Network Formation **eclipseIoT**



Figure 1.2: IoT Network United by EclipseIoT **eclipseIoT**

Appendix A

Sensor Module I²C Addresses

appendix