**ABSTRCT**

**TITLE: Monitoring the Incubator Conditions Logging and Triggering the Emergencies using IOT**

**PROPOSED IDEA:**An Incubator is a device used to grow and maintain microbiological cultures or cell cultures.The incubator maintains optimal temperature,blood pressure and other conditions such as carbon dioxide and oxygen content of the atmosphere inside.

Inthe 19th century researchers finally began to recognize that the use of incubators could contribute to medical advancements. In the late 19th century doctors realized another practical use for incubators: keeping premature or weak infants alive.The simplest Incubators are insulated boxes with an adjustable heater.

An Incubator is made up of a chamber with a regulater temperature.Some incubators also regulate humidity, gas composition, or ventilation within that chamber. While many technological advances have occurred since the primitive incubators used in ancient Egypt and China,the main purpose of the incubator has remained unchanged: to create a stable controlled environment conductive to research, study and cultivation.

**HARDWARE REQUIREMENTS:**

* RFID cards
* Esp8266
* Mfrc522

**SOFTWARE REQUIREMENTS:**

* Processor :i3
* Back end :PHP
* Storage :cloud
* OS :windows 7 and high
* Web browser :Google chrome
* Arduino

**BLOCK DIAGRAM:**

Micro Controller

LCD Display

Heartbeat Sensor

Amplifier

Temperature Sensor

Buzzer

B

Keypad