

# **MBEYA UNIVERSITY OF SCIENCE AND TECHNOLOGY**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**MODULE NAME : PROJECT 1**

**MODULE CODE: CS6376**

**INSTRUCTOR NAME: MR NCHIA**

**LEVEL: NTA 6**

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## **PROJECT TITLE: DEVELOPMENT OF AUTOMATIC DIGITAL TEMPERATURE CONTROLLER.**

Digital temperature controller this is a device which is used to control the temperature, compare it to the set point and to maintain a constant temperature.

This project is all about helping breeder to raising up a chicken nuggets in a barn without being affected with cold when they just from the eggs.

Currently they use the local ways such as charcoal burner to produce heat in a barn in order to make cool condition to the chicken nuggets because they need heat ,but using charcoal burner has challenges like causing flue due to the smoke and the air it produces. Also sometimes the temperature may be to high or low to the chicken nuggets thus causing their death.

Therefore, we have come up with the solution were will use a light bulb to produce heat in a barn and the automatic digital temperature controller will monitor the specific temperature which is needed in a barn for the chicken nuggets