**RP/ IPRC TUMBA**

**ACADEMIC YEAR: 2019-2020**

**Dept: RE**

**LEVEL 3**

**SEMESTER 2**

**MODULE TITLE: AUTOMATIC CONTROL SYSTEM**

**MODULE CODE: REN302**

**Thursday 16th March, 2020**

**ASSIGNMENT 1 /**

1. In your own words describe what a PLC system is and provide five main components of a PLC system.
2. By using a system block diagram, explains how a system that employs the programmable logic controllers can be used for allowing the end users to control and monitor the distribution of petrol inside the pipe at remote location?  **/10marks**

**NB.** To be submitted not later than: **April 28, 2020** before 11:59 PM

* Hand writing copy is accepted
* Submission must go through : **RP-elearning platform**

**–** Work is individual

* Picture also can be accepted
* Copy and paste will not be tolerated
* If you need further clarifications please reach me to my email or Whatsap through: **jniyitegeka@iprctumba.rp.ac.rw /+250788973044**

**Stay safe and protected by washing your hands every time, avoiding shaking your friends or any physical contact!!!!**