FACULTY OF ELECTRICAL ENGINEERING

UNIVERSITI TEKNOLOGI MARA

40450 SHAH ALAM

ASSIGNMENT 2

SEMESTER	:	**NOVEMBER 2004 – MARCH 2005**
COURSE	:	**SELECTED TOPIC – PLC**
COURSE CODE	:	**KJE555**
LECTURER	:	**EN. MOHD HEZRI FAZALUL RAHIMAN**

INSTRUCTIONS TO STUDENTS

1. Complete this assignments using SYSWIN 3.4.
2. Use this page as cover page for your assignment.
3. Deadline for assignment submission: 1 MARCH 2005

Please write the following particulars.

NAME : _____

KP UiTM : ☐☐☐☐☐☐☐☐☐☐☐☐

ASSIGNMENT 2

Prepare a programmed ladder diagram for the control problem shown in **Figure 2**.
The global objective is to heat a liquid to a specified temperature and keep it there for
30 minutes. The hardware has the following characteristics:

1. START push button is NO and STOP is NC.
2. NO and NC are available for the limit switches.

The event sequence is:

1. Fill the tank.
2. Heat and stir the liquid to the temperature set point and hold for 30 minutes.
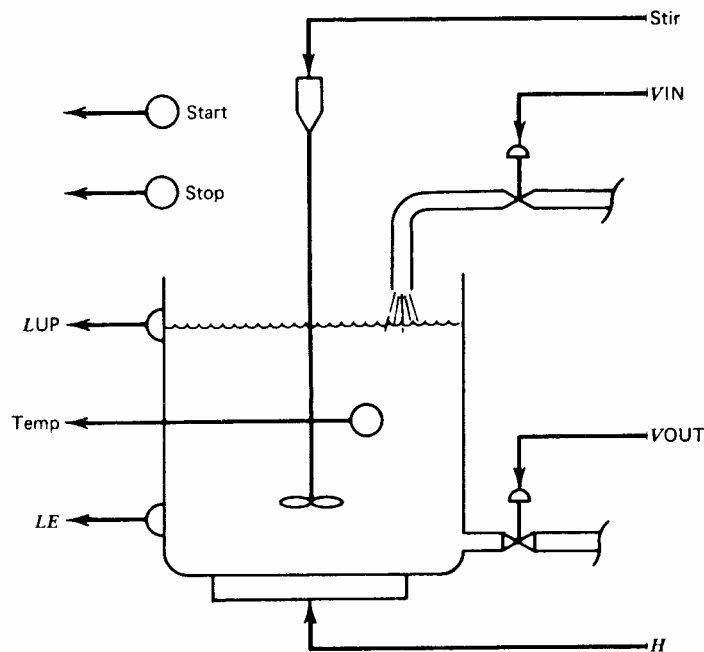3. Empty the tank.
4. Repeat from step 1.

Figure 2: Tank system for Assignment 2