

**All the students are informed to prepare for the activity (Jigsaw). The activity details are given below.**

**Name of the Course: Smart System Design (SSD)**

### **Activity 1**

**Topic Name: Actuators**

**Name of the Activity: Jigsaw**

#### **Description of the Activity:**

Students are assigned to four-member teams to work on academic material that has been broken down into sections. Each team member reads his or her section. Next, members of different teams who have studied the same sections meet in expert groups to discuss their sections. Then the students return to their teams and take turns teaching their teammates about their sections. Since the only way students can learn sections other than their own is to listen carefully to their teammates, they are motivated to support and show interest in one another's work.

#### **Steps:**

1. Form team as a team (Course project Team) (5 minutes)
2. Read allotted topic for you (before the class)
3. Members of different teams who have studied the same topic meet and discuss their topic. (15 minutes)
4. Return to your team and take turns teaching their teammates about your topic. (45 minutes)
5. Write test on the topic (20 minutes)

### Conduction of the Activity:

1. Formation of groups
2. Expert group discussions



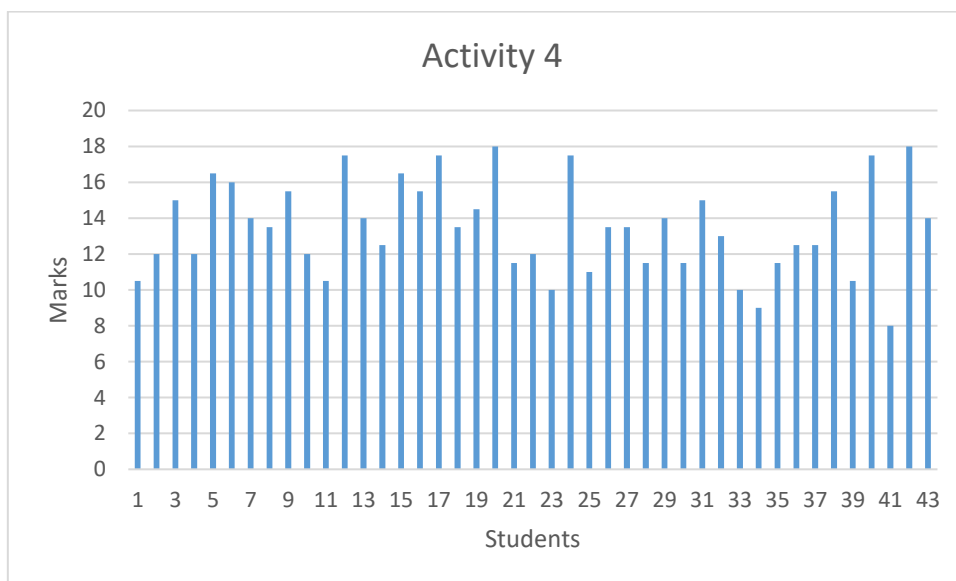
3. Each team member explaining of his/her expertized topic



4. Conduction of test



**The total summary of individual students' scores**



**Reflections:**

This activity is more effective for engaging of large class with more content. This will enhance the self-learning and collaborative learning abilities of the students. Based on the student understanding of the topic, scores, feedback I may conclude that this activity success rate is 80%.