

All the students are informed to prepare for activity 2(Team-based learning). The activity details are given below. The resources required for the activity are given to the students.

Name of the Course: SSD

Activity 2

Topic Name: Electrical Actuators

Name of the Activity: Team-based learning

Description of the Activity:

- Study of Electrical Actuators - Diode, Transistor and MOSFET (Prior to the commencement of the activity)
- You are having an individual multiple-choice quiz on the above topic.
- Form the team (4 members) and review the answers within the team. Discussed answers should be submitted by each group.
- Individual marks and teams mark will be added for your final score.
- Challenging Assignments will be given to the team.

Stages	Description	Duration
1	Introduction about the activity	5 minutes
2	Rapid Quiz	20minutes
3	Team formation	5 minutes
4	Discussion within the team members	20 minutes
5	Challenging Assignment	70 minutes

Conduction of the Activity:

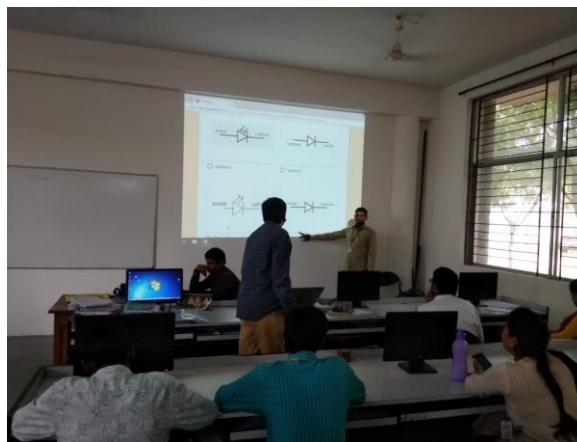


Individual Test

Teams are formed based on their choice.



Teams attending the Quiz after discussions



Explanation of Key topics after the Quiz

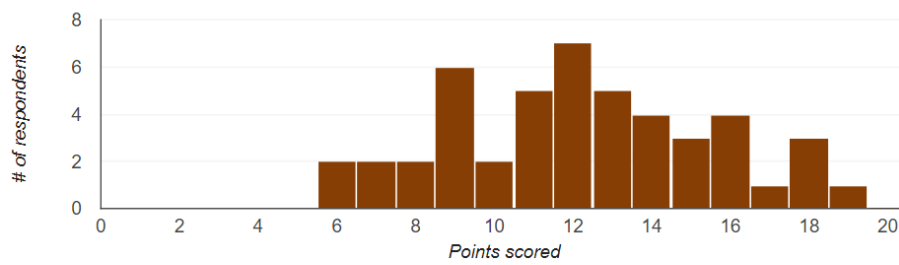
The total summary of individual students' scores

SUMMARY	QUESTION	INDIVIDUAL
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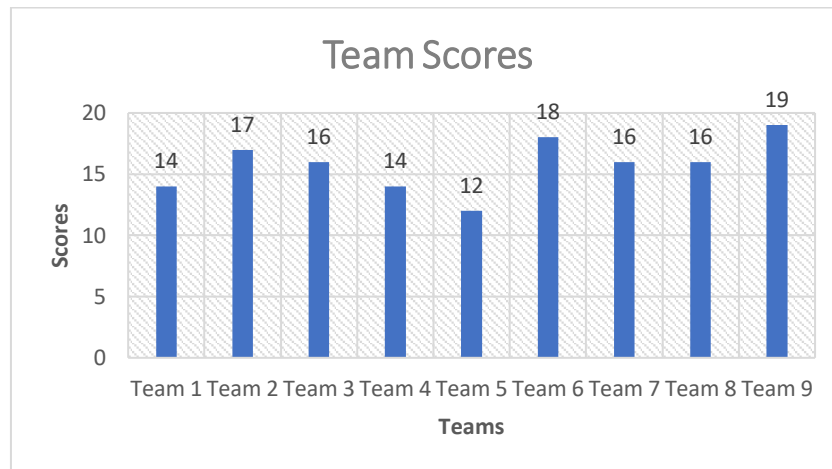
Insights

Average 12.23 / 20 points	Median 12 / 20 points	Range 6 - 19 points
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Total points distribution



The total summary of team's scores



Reflections:

- Students attended the quiz individually and formed the teams and repeated quiz after discussing with team members.
- They discussed with full of interest and everyone understand concepts. The questions were analyzed deeply with positive practical outputs.
- Team based learning improves the self-learning capabilities and active involvement in the team.