



Department of Biomedical Engineering

Academic Year: 2022- 2023 (Even Semester)

Innovative Teaching Learning Practices – Participative Learning

Degree, Semester& Branch: IV Semester B.E. BME

Course Code & Title: BM3451 Biomedical instrumentation

Name of the Faculty member: Mrs.A.Dhivya Parameswari

Name of the Topic:

Name of the Innovative Practice: Roll play

Date & Time: 15.03.2023 & 5 Minutes maximum.

- **Justification:** A quiz was planned to test the knowledge level of students in basic introduction of finite element analysis. **Hot Potatoes software from <https://hotpot.uvic.ca>** have used for conducting quiz
- **Time Allotted for the Activity:** 5 minutes for total 10 questions.
- **Details of the Implementation:** **Hot Potatoes software** is used for conducting online quiz. Students were asked to prepare topics from unit – 1 (Introduction), the previous day. Each question will be flashed on the screen and 30 seconds were given for completing the quiz. At the end of every question a scoreboard is show based on accuracy and speed of the students, which motivated the students to pick correct choice with fast response. Around 5 questions were asked in the quiz. At the end of the program, a screen shot shall be send by the students to list the top scorers of the quiz program.
- **CO – PO / PSO mapping:**

PO	PO1	PO2	PO5	PO12	PSO2
CO5	3	2	3	3	1

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO1	PO2	PO5	PO12	PSO2
	3	2	3	3	1
Justification for correlation	The quiz is based on the knowledge gained by student after learning the topic.	In order to find solution students have to solve problem based on their knowledge	Students are using Hot potatoes as a tool	Students have to continuously improve them by discussing the answers at the end of the quiz	Students can develop solutions by knowing basic methods to solve a problem

● Images Screenshot of the practice:

