**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENTS**



**Assignment 8**

Course Title: System Integration with Dymola

Course Code: CUTM1022 (0-0-2)

**Submitted to:**

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Semester: 4th Sem

Section: C

**Experiment No.: 8**

Create a double pendulum model under single pendulum model

**Requirements:**

OpenModelica software

**Procedure:**

Step 1: Open Openmodelica connection editor

Graphical user interface, application

Description automatically generated

Step 2: Then we have to draw a model

A picture containing text, toilet, tiled, bathroom

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

Step 3: Then click on Simulate with animation

Table

Description automatically generated

Chart, box and whisker chart

Description automatically generated

Step 4: Select Isometric, the give the time, then click on play button

Graphical user interface, application, table

Description automatically generatedGraphical user interface, application

Description automatically generated

Chart, line chart

Description automatically generated

Step 5: Observe the pendulum oscillation.

Chart, line chart

Description automatically generated

A picture containing wall, toilet, bathroom, tiled

Description automatically generatedStep 6: Then we have to draw a model

Text, letter

Description automatically generated

Step 7: Then click on Simulate with animation

A picture containing diagram

Description automatically generated

Chart

Description automatically generated

Step 8: Select Isometric, the give the time, then click on play button

Graphical user interface, application, table

Description automatically generatedGraphical user interface, application

Description automatically generated

Chart, line chart

Description automatically generated

Step 9: Observe the pendulum oscillation.

Chart, line chart

Description automatically generated