

# CSD3120 Team 21 VR Questionnaire

The purpose of this questionnaire is to evaluate the users on:

1. Flow State Scale
2. Virtual Reality Sickness

To further improve our immersive Chemistry lesson in a virtual reality environment.

**Survey is done after attempting our Chemistry lesson using Oculus Quest 2.**



## Flow State Scale

To what extent did you feel fully absorbed and immersed in the chemistry lesson while using <sup>\*</sup> the Oculus Quest 2?

Not at all

1 ☐

2 ☒

3 ☐

4 ☐

5 ☐

Very much

How challenging did you find the chemistry lesson experience using the Oculus Quest 2? <sup>\*</sup>

Not at all

1 ☐

2 ☐

3 ☐

4 ☒

5 ☐

Very much

How skilled and capable did you feel while using the Oculus Quest 2 to complete the chemistry lesson? \*

Not at all

1 ☒

2 ☐

3 ☐

4 ☐

5 ☐

Very much

How automatic and effortless did the use of the Oculus Quest 2 feel while performing the chemistry lesson? \*

Not automatic at all

1 ☐

2 ☒

3 ☐

4 ☐

5 ☐

Very automatic

Did you lose track of time during the chemistry lesson experience using the Oculus Quest 2? \*

☐ Yes

☒ No

How rewarding did you find the experience of completing the chemistry lesson using the Oculus Quest 2? \*

Not rewarding at all

1 ☐

2 ☐

3 ☒

4 ☐

5 ☐

Very rewarding

Was your attention deviated from the chemistry lesson at any point of time? \*

☐ Yes

☒ No

Did your movements feel natural during the chemistry lesson? (Did not have to think) \*

☒ Yes

☐ No

**Virtual Reality Sickness**

Did you experience any discomfort or nausea while using the Oculus Quest 2 to complete the chemistry lesson? \*

☒ Yes

☐ No

If yes, please describe the level of discomfort or nausea you experienced while using the Oculus Quest 2 for the chemistry lesson. (Mild, moderate, severe, extreme)

mild discomfort

Did you feel disorientated or confused while using the Oculus Quest 2 for the chemistry lesson? \*

☒ Yes

☐ No

How long did you use the Oculus Quest 2 for the chemistry lesson before experiencing any discomfort or nausea? \*

☐ < 5 mins

☐ 5 mins - 15 mins

☒ 15 mins - 30 mins

☐ > 30 mins

☐ Did not get nauseous at all

Did you feel any motion sickness while using the Oculus Quest 2 for the chemistry lesson? \*

☐ Yes

☒ No

Did you feel any eye strain or headaches while using the Oculus Quest 2 for the chemistry lesson? \*

☐ Yes

☒ No

How clear was your spatial awareness? \*

Confusing

1 ☐

2 ☐

3 ☒

4 ☐

5 ☐

Very Clear

How difficult was it to use the Oculus Quest 2 controllers to navigate the scene? \*

Very easy

1 ☐

2 ☐

3 ☒

4 ☐

5 ☐

Very difficult

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