

Team Name:	Date: December 1, 2024
Team Members: Jorge Leon Gomez, Juan Felipe Rivera Cortes	Reporting Period: Phase 4

<b>d. Progress Report Phase 4 – Project Development</b>	
<b>e. Tasks Completed</b>	<b>f. What tasks have been completed in Phase 4?</b>  We completed our predictive model which was related to the upstream part of the oil production of carbon capture. Also, we established a framework to implement our model.
<b>g. Challenges Faced</b>	<b>h. What obstacles did you encounter and how did you overcome?</b>  We tackled a complex problem to implement within the oil production workflow and to base it around carbon capture.  There were not enough data sets to properly test our model. We were able to find the data set which was related to the upstream part of the carbon capture process.
<b>i. Individual Contribution</b>	<b>j. What did each group member work on in Phase 3?</b>  Jorge- Helped building the models and documenting the blocks of code.Generated synthetic data sets.Helped create the front end part of the application.  Juan - Helped build the models and created the infrastructure to implement the model. Helped build the front end of the application.

<p><b>I. Plan for Phase 5(Individual and Group)</b></p>	<p><b>m. What did you plan to work on as a group and individually in Phase 5? What progress do you expect to make?</b></p> <p>We will create our presentation and peer report.</p>
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