**Zeroth Review**

Date: 8/9/2023

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**Title: Fuel efficiency, In-cylindrical pressure and Heat Release Rate Prediction**

**Goal**

Explaining the Problem statement,Scope, motivation and innovation.

**Discussion**

* Our objective is to identify the best fuel Efficiency,In Cylindrical Pressure for 720 angles and Heat Release Rate Prediction. We intend to achieve this by using formula methods and Machine Learning algorithms and visualization.
* Through this project we can find which fuel combination at which load gives best performance.
* Since Mechanical engineers don't know ML and Data Analytics it is difficult for them to work with huge datasets and precision.
* This saves time and money spent on testing engines with biofuels.
* This will finally help in saving the harmful pollution elements released by the automobiles in the air.
* Since the results would be comparable with practically obtained results i.e experimental results.
* Hence we can rely on results and go for actual experiments with the best performing point saving the time and money.
* These results can be used for validation since the precision rate would be higher.

**Result**

The problem statement was accepted.

**Next Step**

In the next meeting the first prediction result would be checked and a suitable algorithm would be checked for further accuracy.