**Team Members**

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**Proposal**

**Overview**

Overall, objective is to provide help to judges to make the decisions with reference to the previous cases and their decisions and help them to categories the case.

**Goal**

Generate verdict for jury with reference to previous cases and classify the case category.

**Objectives – How to achieve the goal**

* First step is to clean the data
* Transform the data
* Building Model
* Make predictions or generate the text

**Dataset Description**

We have dataset already available on Kaggle which contains the features including Cases description, decision made on cases, and category of the cases.

**Research Papers**

[JUSTICE: A Benchmark Dataset for Supreme Court's Judgment Prediction | Papers With Code](https://paperswithcode.com/paper/justice-a-benchmark-dataset-for-supreme-court)

[A Survey on Legal Judgment Prediction: Datasets, Metrics, Models and Challenges | Papers With Code](https://paperswithcode.com/paper/a-survey-on-legal-judgment-prediction)

[The survey: Text generation models in deep learning - ScienceDirect](https://www.sciencedirect.com/science/article/pii/S1319157820303360)

**ML Model and Techniques:**

BERT (Bidirectional Encoder Representations from Transformers) - developed by Google, BERT is a language model that can perform various text generation tasks such as question answering, text classification, and more.

**Software, tools, system architecture and components anticipated:**

A website as we did in DSP course.

**References:**

[Supreme Court Judgment Prediction | Kaggle](https://www.kaggle.com/datasets/deepcontractor/supreme-court-judgment-prediction)