**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 02 October 2022 |
| Team ID | PNT2022TMID50490 |
| Project Name | Project – News Tracker Application |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Too many notifications irritate the users and it clutters the bar on their phone.Irrelevant news makes the user stop viewing the news thus losing access to credible news.The user doesnt want to waste the time figuring outer relevance of the news.Users sometimes get over whelmed by too many categories.Missed news mentions.Disorganized saved coverage.  Difficulty reporting. |
|  | Idea / Solution description | The user wants to read the news without getting any unwanted notifications of news app on their phone/lap/any other devices they logged in. So the news app will notify you with a common news according with the users interest. Nowadays many irrelevant news are arising in all news app, media and so on. This news app will be showing the proved Confirmatory news and avoiding any kind of irrelevant news based on that. It also avoiding any advertisements and related news suggestions on the reading sections. Outer relevance should commonly depends on the news it have on it, so it is covered by some pictures or like that, the user needs to figure it out with only their interest. The categorized section must shown minimum to the users reading capability. Sometimes, the user just missed an important news on their phone means, there should be a notification of the news that will mentioned the user in the news category, so don’t worry about the missed news. |
|  | Novelty / Uniqueness | We are using a hybrid support vector machine and Random forest model for training. We are combining the two machine learning techniques so that we can able to get the accuracy score of above 98% for large datasets also.  The two approaches are used in News tracker application are:  Machine Learning approach  Deep Learning approach |
|  | Social Impact / Customer Satisfaction | Any piece of Fake news can be created to deliberately misinform or deceive readers, promote a biased point of view, particular cause or agenda, and even for the entertainment. Fake news can be promoted by unauthenticated user ID, social media, printing of fake news in newspapers may be due to political pressure and many more. Spreading of fake news can cause discontent among people, riots, and even cause loss of trust between two people and even nations. It also has a huge possibility to exploit general public thinking in a completely different manner. News and media coverage gets hugely distorted due to initialization and spread of fake news. |
|  | Business Model (Revenue Model) | It refers to the output of an algorithm after it has been trained on a historical dataset and applied to new data when forecasting the likelihood of a particular outcome, such as whether or not a customer will churn in 30 days. The algorithm will generate probable values for an unknown variable for each record in the new data, allowing the model builder to identify what that value will most likely be. The word “prediction” can be misleading. In some cases, it really does mean that you are predicting a future outcome, such as when you’re using machine learning to determine the next best action in a marketing campaign. |
|  | Scalability of the Solution |  It provide higher accuracy through cross validation.   High stability compare to Existing system. |