Project Synopsis and Requirements

Group No:- 11

Project Title: - *Comparison between decision tree and random forest towards recommendation system or engine.*

Project Abstract: - *A decision tree is a supervised machine learning algorithm that can be used for both classification and regression problems. A decision tree is simply a series of sequential decisions made to reach a specific result. A random forest is a supervised machine learning algorithm that is constructed from decision tree algorithms. It utilizes ensemble learning, which is a technique that combines many classifiers to provide solutions to complex problems. These two machine learning concepts will be compared with each other and a generalized classifier will be suggested to overcome the shortcomings of both.*

No of PCs required: - *2*

PC configuration: - *4GB RAM (minimum)*

Any other device(s) required: - *NO*

OS with required version: - *Windows 10 /7*

Softwares required with version of each: - *Anaconda Individual Edition current version, Python 3.8*

Signature of group members

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Reviewed and checked by Project Guide