**Course: ITEC5920A**

**Term: Winter 2019**

**Your Name: CHANPREET SINGH**

**Title of your research project:**

**Prediction Of Income Levels Of Individuals Based On Demographic Attributes**

**Question 1:** Is the research work (including study, design, implementation, analysis, evaluation) in your research project **original**? (Yes or No)?

If yes, provide details here …

Yes,

Because The study done from various other paper has been cited in this research as well as the design and implementation of algorithms has been changed in various factors of difference in feature selection as well as the new updated accuracy results which no one has achieved yet and hence verify by the code under GBM to be the highest accuracy as 89% which can be verified by running the algorithm because of some new and unique changes made under the number and formation of iterations in such a manner that the data division done in 75% to 25% gets managed according to it for providing better accuracy model.

**Question 2:** In your research project and paper, **did you copy anything** from any other paper(s), document(s) or any other source(s) in any way? (Yes or No)?

If yes, provide details here …

Yes, this research paper highlights some of the definitions of algorithms which other paper also used from some websites which are properly cited in this research papers as well as some information which could be changed but because of the updated version of some sentences this paper has used different synonyms to counter balance the same meaning for the reader to better understand the objective as well as the project roadmap and has been cited in references.

**Question 3:** In your research project and paper, **did you take or use any idea(s) or material(s)** in any way from any other paper(s), document(s) or any other source(s) without referencing and/or citing those paper(s), document(s) or other source(s)? (Yes or No)?

If yes, provide details here …

No, In this research paper the basic idea is original which comes while literature review process from a research paper done by mohammad topiwala feature selection was used which has been cited properly that suggests to remove native country which no one has done in other projects because it was to be done as potential improvements In some other researches and this future suggestion on other algorithms was practiced in real time in this research .

So in this paper the use of different features within different algorithms was a major challenge but ultimately it helps to score a novel accuracy which is the highest in GBM as compare to any other verified research paper.

Also to add to it, the research was done in **Python** by mohammad topiwla but the basic idea was similar so in this research paper the use of GBM but using **R** programming was done and after several probabilities and mixing also hit n trial method used for iterations on a higher calculative assessment proved that all features using under GBM in this paper scores the highest which makes it novel and unique.

Your Signature: Chanpreet singh

Date: April 19th, 2019