



Department of
Computer Science & Engineering
University of Liberal Arts Bangladesh

Complex Engineering Project

Course Title: Statistics and Probability	Section: 01
Course Code: STA 2101	Semester: 223
Course Teacher: Khan Raqib Mahmud	
Project No.: Unknown	

Problem: Impacts of Game Addiction (Among University Students)

Addressing Complex Engineering Problems

Attributes		Addressing the complex engineering problems in the project
WP1	Depth of knowledge required	The project requires knowledge of Probability, Python, regression, Classification problems, Algorithm, Google colab, Journal reading and citation.
WP2	Range of conflicting requirements	Choice of algorithms, Accuracy of ideas, Size, Complexity, Performance, Values
WP3	Depth of analysis required	We set numerical values for our variable's categories, then we find the relations between them, find proportions of them, find t-test and p values of some of them as we needed.
WP4	Familiarity of issues	Various scale for scaling our data like GAS-21,IGDS9-21, BMI scale.
WP5	Extent of applicable algorithms	Multi Linear Regression, Neural Network(LSTM), Simple Vector Machine, Random Forest, Decision Tree
WP6	Extent of Libraries	Pandas, Numpy, Matplotlib, Sklean, Stats.
WP7	Interdependences	Computer, Internet Connection, Google Colab, Drive, Exel sheet, Google Form.