

SPL1 Project Proposal Form, 2022
Institute of Information Technology (IIT)
University of Dhaka

Student's Name:	Abir Ashab Niloy		
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Project Description: <p style="text-align: center;">Machine Learning Algorithms</p> <p>There are several algorithms regarding machine learning in which some of them are widely used. Here I will construct some introductory and widely used ML algorithms using C, C++ which will make our road of learning ML easier and will build a strong base for doing something bigger in future. The algorithms I will construct are given below:</p> <p>Logistic regression - It helps predict the probability of an event by fitting data to a logit function. It is also called logit regression.</p> <p>Decision tree - This popular algorithm works well in classifying categorical dependent variables.</p> <p>Random forest - A collection of decision trees is called a random forest.</p> <p>K-Nearest Neighbor(KNN) - It is one of the simplest Machine Learning algorithms based on Supervised Learning technique.</p> <p>K-means - It is an unsupervised learning algorithm that solves clustering problems.</p>			
Languages or Tools to be used : C, C++, Vs Code, Sublime-Text, Git, Github			
Supervisor's Name: Kishan Kumar Ganguly Signature of the supervisor: _____ Date: _____			