

BIG DATA PROJECT

On

Farmer's Friends App

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Declaration

*We hereby declare that the work which is being presented in the Big Data Project: “**Farmer’s Friends App**”, in fulfillment of the requirements for Big Project, is an authentic record of our own work carried under the supervision of **Mr. Ashutosh Shankdhar, Asst Proffessor, GLA University, Mathura.***

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CERTIFICATE

*This is to certify that the project entitled “Farmer’s Friends App” carried out in Big Data Project is a bonafide work done by **Shivam Mehrotra(171500321)**, **Saurabh Singh(171500302)**, **Sanket Goyal(171500291)** and **Saurabh Tyagi(171500306)** is submitted in partial fulfillment of the requirements for the award of the degree Bachelor of Technology (Computer Science & Engineering).*

Signature of Supervisor:

Name of Supervisor: Mr. Ashutosh Shankdhar

Date: 07/12/2019

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ABSTRACT

Big Data Analytics is a process to uncover some hidden patterns and information by applying big data techniques, by using this technique we can analyze all the data and can get the significant value from it. We know that in current scenario data can be in any form like in the form of some written text, in the form of audio files or in the form of images and it could be of any form so by applying modern big data techniques like hadoop, mapreduce and No SQL database we can store and process these data very efficiently. Nowadays big data is very important, it is very helpful for the business organizations because by using this technique they can understand the customer needs better, they can understand the new market strategies, by using this technique they can take help from social media to understand the customer behaviour better. Now coming to the agriculture benefit of big data, we all know that agriculture is backbone of our economy and farmer is the backbone of our agricultural practices and our most of the economy depends on farming but due to lack of knowledge they do not able decide in which season which crop should be sown and due this severe results come out which can be in the form of suicide so by keeping all these things in mind, by using hadoop, Machine learning and No SQL databases we will predict which crop should be sown in which season with the help of previous 20 years data. With this project farmers will be able to know the total cost per area for crop, which crop is best for which season, the price for the desired crop and will also be able to get the information whether the specific crop is suitable in their environment or not.

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