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## Aatmnirbhar Farmer Portal

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### ABSTRACT

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*In India, agriculture plays an important role in in economy and employment .The common drawback faced by the farmers is that they can't take the proper selection concerning the crop supported in their regions and market and profit price .hence they face less productivity and fewer profit. The purpose of this paper is to present an attempt to predict crop yield and price, using machine learning ,helps them to choice the crop in keeping with the soil kind, weather condition .The farmers do not have a one window which might cater to their all desires regrading to crop, market price, soil type ,government schemes, latest news etc.to make this simple to the farmers the portal is projected that uses machine learning.The system essentially works associate assistant to the farmer in whole year serving them to remain tuned to the something that will have an effect on crop and profit.*

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**Keywords:** Crop-recommender, Machine Learning, React, Progressive net App, API.

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### 1. Introduction

Compared to varied alternative sectors of economy, agriculture is exclusive, whose output is essentially smitten by climate. The degree of success of agriculture production and its political economy is decided to a major extent by however well climate admire the optimum necessities of the crop area unit best exploited to boost the crops. however effectively adverse climate, that cause wetness, thermal, wind, radiation and bio-tic stress preventative growth and development of crop area unit managed to attenuate their adversity. any to the current, it conjointly depends on management aspects of preventing the crops from severe climate. "Agriculture is that the backbone of the Indian Economy. Even today, things continues to be constant, with nearly the whole economy being sustained by agriculture, that is that the mainstay of the villages. It contributes Sixteen Personality Factor Questionnaire of the general gross domestic product and accounts for employment of roughly fifty two of the Indian population. ascent in agriculture is important not just for independence however conjointly to earn valuable interchange. A unique user friendly portal for farmers that suggest crops in keeping with the state.

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### 2. Literature Survey

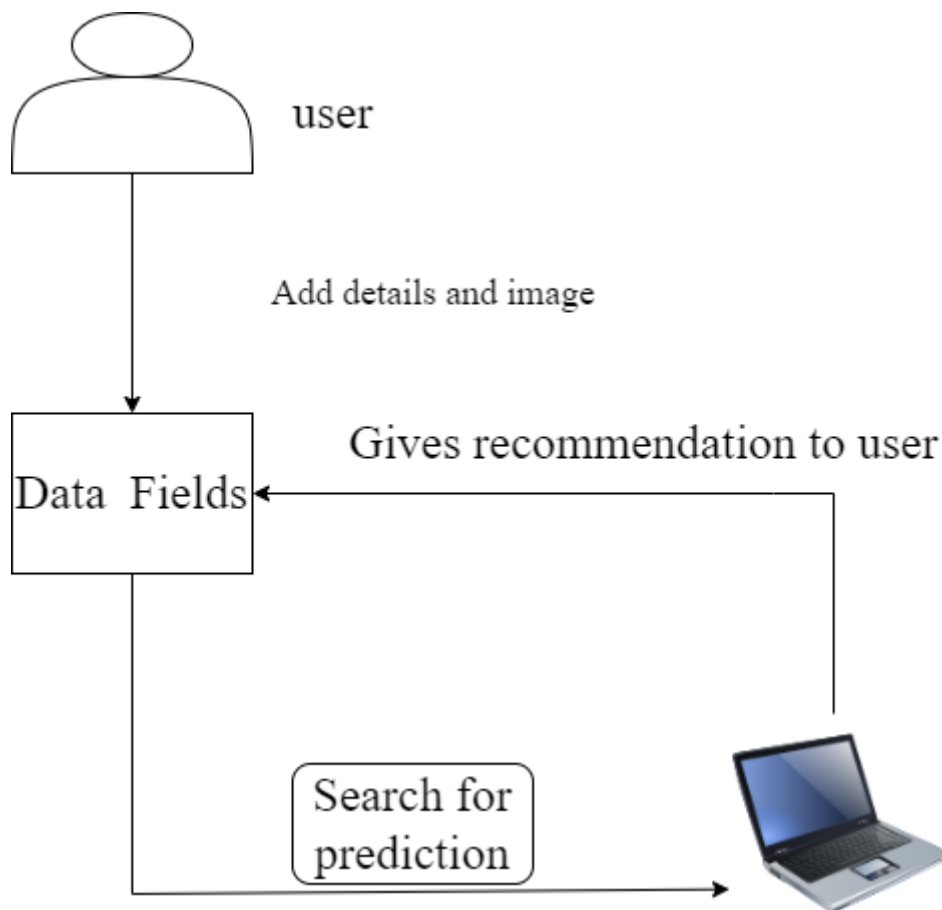
Saurabh Chaturvedi, Weather Forecasting mistreatment Machine Learning algorithmic rule, 978-1-5386-9436-7/19/\$31.00 ©2019 IEEE. The activities of the many primary sectors depend upon the weather for production, e.g. farming. The climate is ever-changing at a forceful rate today, that makes the previous weather prediction strategies less effective.

Divya Sawant, Anchal Jaiswaly, Jyoti Singhz, Payal Shah, AgriBot - associate intelligent interactive interface to help farmers in agricultural activities, 2019 IEEE city Section Signature Conference (IBSSC) .To make this knowledge analysis simply accessible to the farmers a chatbot is projected that uses the tongue process technique.

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### 3. Proposed System

The farm portal could be a distinctive user friendly portal for farmers that recommend crops in keeping with the situation, profit, etc. The Farm Portal ought to facilitate farmers get updates concerning all the agriculture connected news and conjointly shows the atmospheric condition of a selected space to that the farmer gets crop suggestion consequently. This portal provides additional and additional advantages to farmers .and for that they are doing not have to be compelled to go several places . Conjointly they are doing not have to be compelled to pay money for it. System aims to assist the farmer for good move whereas predicting the crop.



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### 4. Conclusion

The projected system helps the farmer for crop prediction ,weather forecasting ,news analysis and far additional. The construct of farm portal is framed, which is able to have several options .during this system we have a tendency to ar merging completely different farm connected.

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