



North Maharashtra University, Jalgaon
Faculty of Science and Technology
BACHELOR OF COMPUTER APPLICATIONS (BCA)
BCA 607 - Project Report & Viva
w.e.f. 2019-20
Total Lectures: 60
[Total Marks: 60 External + 40 Internal =100 Marks]

Objective: – To prepare students to use applications of the theory and practical learned during the course.

PROJECT WORK

1. Each student shall have to carry out the project work based on System Development which may include Application Program, Database Management System, Web Based Application, Smart phone Application, System Tools, Network System Application, etc. A project may be carried out at any outside organization or on a sub system of an organization.
2. The project work should be carried out individually. No group work is allowed in the Project work. The project title should not be repeated.
3. The topic of the project should be decided with the consultation & guidance of an internal guide-teacher of the institute/college. The project should be necessarily innovative and problem solving. No teacher shall be entrusted with more than 15 students for guidance and supervision.
4. The student should clearly mention the need of project , database(s), files required for the project, DFD , Normalization, ERD, software used for the project, reasons for selection of that software, inputs required, outputs produced etc.
5. The application should be menu driven and should provide the facilities of storage of data, modifications in existing data, deletion of unwanted data, and viewing of data.
6. The student has to write a report based on the actual work undertaken during the vacations at the specific selected enterprise/ organization or sub system and get it certified by the concerned teacher that the Project report has been satisfactorily completed and submit TWO typed copies of the same to the Head / Director of the institute /Principal of the college.
7. One copy of the report submitted by the student shall be forwarded to the University by the Institute.
8. No student will be permitted to appear for Viva-Voce examinations, unless and until the project report is submitted within the stipulated time.

36/347

A
Project Report
On

Crop Prediction Application for Farmer
Submitted To



Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon
(NAAC Accredited 'A' Grade) College Code: 100003

Submitted by

Revati Chandrabhan Patil

Under the Guidance of

Prof. Vaishali S. Vispute

In Partial Fulfillment of

Bachelor of Computer Application

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

for the Academic Year 2023-2024



Lewa Education Union's
Dr. Annasaheb.G.D.Bendale Mahila Mahavidyalaya
 NAAC Re-accredited 'A' Grade (CGPA 3.11)
 ISO 9001: 2019 Certified



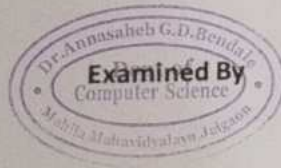
CERTIFICATE

Department of Computer Application

This is to certify that Mr./Miss. Patil Revati Chandrabhan
 Finalyear student of Bachelor of Computer Application has
 successfully completed the project entitled "Crop Prediction"
 Under the guidance of Prof. Vaishali S. Vispute

Vaishali
 5/4/24
 Prof. Vaishali S.Vispute
 Project Guide

Dr. Harshali B. Patil
 5/4/24
 Dr. Harshali B. Patil
 Head
 Department of Computer Science
 Dr. Annasaheb G.D. Bendale
 Mahila Mahavidyalaya, Jalgaon



Dr. Harshali B. Patil
 5/4/24
 Internal Examiner

Laxmi
 5/4/24
 External Examiner

CHAPTER 8 CONCLUSION AND FUTURE SCOPE

8.1 Conclusion

Based on the findings of this project report, we have successfully developed a crop prediction site using PHP that can provide accurate predictions for farmers regarding which crops to grow in their specific regions. Our project incorporated various modules, including data collection, prediction, user interface, database, and reporting modules.

Our results show that our crop prediction site can provide reliable predictions based on various factors like crop information.

The implications of this project are significant for the agriculture industry, as farmers can use our crop prediction site to optimize their crop choices and increase their yields. Our project can also contribute to sustainable agriculture practices by reducing the use of resources and increasing productivity.

Despite the success of our project, there are some limitations that need to be addressed in the future. These include improving the accuracy of the predictions and incorporating more data sources. Further work could also explore the possibility of integrating real-time data to provide more accurate predictions and recommendations.

Overall, our crop prediction site using PHP is a significant step towards data-driven decision-making in agriculture. We believe that our project can make a valuable contribution to the agriculture industry and help farmers make informed decisions regarding their crop choices.

8.2 Scope of Further Developments

There are several areas where the crop prediction site developed in this project could be further developed to enhance its functionality and usefulness. Some of these areas include:

- Real-time data integration: Currently, the site relies on historical data to make predictions. By incorporating real-time data such as weather and soil conditions, the predictions could be made more accurate.
- Crop management module: Developing a module for crop management could enable farmers to monitor their crops and receive alerts when any issues arise. This could include features such as pest control -recommendations, irrigation advice, and fertilizer management.
- Integration with mobile applications: Developing a mobile application that integrates with the site could provide farmers with easier access to the predictions and other site features. This could also enable farmers to upload images of their crops to help the site make more accurate predictions.
- Multi-lingual support: Adding support for multiple languages could make the site accessible to a wider audience, especially in regions where English is not the primary language.
- Social media integration: Integrating social media features such as sharing predictions and results on social media platforms could increase the reach of the site and encourage more farmers to use it.
- Customizable dashboards: Providing customizable dashboards for farmers could enable them to view the data and predictions that are most relevant to their specific needs.