



LOKNETE DR.BALASAHEB VIKHE PATIL (PADMABHUSHAN AWARDEE) Establishment 4 August 2004

PRAVARA RURAL EDUCATION SOCIETY'S

**ARTS, COMMERCE & SCIENCE COLLEGE, ALKUTI**

ID.No. PU/AN/ACS/78/2004

College code No.757

A/p.Alkuti, Tal.Parner, Dist.Ahmednagar.Pin-414305



- Phone: (02488) 250457 Email ID :Principal.acsalkuti@pravara.in

**A.Q.A.R 2023-24**



**Criteria - 1**

**Curricular Aspects**

**KEY INDICATOR : 1.3**

**Curriculum Enrichment**

**1.3.3 Number of students undertaking project work/field work/ internships.**

## Table of Content

| Sr.No | Particular                                     | Page No  |
|-------|------------------------------------------------|----------|
|       | <b>List of Project</b>                         |          |
| 1.    | Project Work (M.COM II)                        | 3 TO 27  |
| 2.    | Geography Project (S.Y.B.A)                    | 28 TO 55 |
| 3.    | Environment Project (S.Y.B.A)                  | 56 TO 83 |
| 4.    | Environment Project (S.Y.B.COM)                | 84TO112  |
| 5.    | Environment Project (S.Y.BSC)                  | 113TO145 |
| 6.    | Geography Project (T.Y.B.A)                    | 146TO172 |
| 7.    | Economics Project (T.Y.B.A)                    | 173TO188 |
| 8.    | History Project (T.Y.B.A)                      | 189TO218 |
| 9.    | Banking And Finance Project (T.Y.B.COM)        | 219TO238 |
| 10.   | Cost And Works Accounting Project ( T.Y.B.COM) | 239TO261 |



*(Signature)*

**Principal**

Art's, Commerce & Science College  
Alkuti, Tal. Parner, Dist. A'nagar

## M.COM II Project List 2023-24

| Sr. No | Name of The Student      | Project Title                                                                         | Remark |
|--------|--------------------------|---------------------------------------------------------------------------------------|--------|
| 1      | Mhaske Jyoti Babaji      | Study of Stock Exchange                                                               | Submit |
| 2      | Darekar Swapnil Vitthal  | Study of Stock Exchange                                                               | Submit |
| 3      | Auti Vishal Ashok        | Study of Stock Exchange                                                               | Submit |
| 4      | Yewale Akash Balu        | Sainik Sahkari Bank Parner Shakhecha guruh karj suvidhecha chistak Abhyas             | Submit |
| 5      | Borchate Pooja Rambhau   | Laghu udyogachya vyavsthapnat sahkari bankanchibhumika: Ek chikistak Abyas            | Submit |
| 6      | Walunj Sandesh Vishnu    | Sahkari Bankanchya arthik Vyasthapnacha chikistak Abhyas.                             | Submit |
| 7      | Chaudhari Nikita Vishnu  | A study of bank portfolio forthe partial of the degree of master of Commerce (M.Com)  | Submit |
| 8      | Lonkar Priya Gajanan     | Rajguru sahkari bank narayangaon guruh karj suvidhecha chistak Abhyas                 | Submit |
| 9      | Sali Renuka Rajendra     | Rural Development and Role of NABARD                                                  | Submit |
| 10     | Gholap Ashwini Vilas     | Rashtriykrut Bankandun grahkanna purvnyat yenarya sevancha Abhyas karane              | Submit |
| 11     | Dangat Priyanka Popat    | Study of Stock Exchange                                                               | Submit |
| 12     | Bhor Akshada Ramesh      | Study of Stock Exchange                                                               | Submit |
| 13     | Deokar Tejaswi Ramesh    | Study of Stock Exchange                                                               | Submit |
| 14     | More Rohit Ramdas        | Study of Stock Exchange                                                               | Submit |
| 15     | Sali Akshay Rajendra     | Sainik Sahkari Bank Parner Shakhecha guruh karj suvidhecha chistak Abhyas             | Submit |
| 16     | Gunjal Sarika Baban      | Laghu udyogachya vyavsthapnat sahkari bankanchibhumika: Ek chikistak Abyas            | Submit |
| 17     | Chikane Vishal Vitthal   | Sahkari Bankanchya arthik Vyasthapnacha chikistak Abhyas.                             | Submit |
| 18     | Yewale Rutuja Subhash    | A study of bank portfolio for the partial of the degree of master of Commerce (M.Com) | Submit |
| 19     | Belote Saurabh Santosh   | Sahkari Bankanchya arthik Vyasthapnacha chikistak Abhyas.                             | Submit |
| 20     | Kolhe Apeksha Arun       | Banking Shetratil adhunik Tantrdnayan : Ek Abyas                                      | Submit |
| 21     | Parkhe Jyoti Kisan       | Role of Information technology in Banking Sector                                      | Submit |
| 22     | Chikane Prajakta Bhaskar | National bank for agriculture & Rural Development                                     | Submit |

|    |                            |                                                                                                                                     |        |
|----|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------|
| 23 | Raskar Shubham Sarjerao    | Parner talukyatil guntavnuk darani kelelya mutual fund guntuvnuk abhyas krne                                                        | Submit |
| 24 | Khamkar Disha Bharat       | Shivraj nagari sahkari patswanstha maryadit junnar patswansthecha andaj patrkancha tulnatmak abhyas                                 | Submit |
| 25 | Pawar Kajal Ramesh         | Study of the manager co- operative Bank Ltd.                                                                                        | Submit |
| 26 | Chate Mayur Babaji         | A study of Trends in Mutual Funds                                                                                                   | Submit |
| 27 | Ghode Dhanajay Pandurang   | Alkuti Shahratil sahkari bankanni purvilelya banking suvidha ek Abhyas                                                              | Submit |
| 28 | Zinjad Nutan Annasaheb     | Self Help Groups                                                                                                                    | Submit |
| 29 | Pingat Minakshi Balkrishna | Rural Development & role of NABARD                                                                                                  | Submit |
| 30 | Chaugule Snehal Suresh     | Rashtriya Bankandun grahkanna purvnyat yenarya sevancha Abhyas karane                                                               | Submit |
| 31 | Auti Sakshi Dhondibhau     | Vishal junnar Sahkari alkuti Shakhecha gruh karj suvidhecha chistak Abhyas                                                          | Submit |
| 32 | Borhade Akshada Sanjay     | Banking new Product                                                                                                                 | Submit |
| 33 | Shelar Akshada Balu        | Sharad Lashkari Bankancha karyatmak mulyamapnacha Abhyas                                                                            | Submit |
| 34 | Patel Ajim Husen           | Kalas utkarsh sahkari patswanstha shakha ani sai multistate parner ya patswanstha madhil karj purvatha v thevi yancha abhyas karane | Submit |
| 35 | Shinare Ashitosh Bhaga     | Alkuti Shahratil sahkari bankanni purvilelya banking suvidha ek Abhyas                                                              | Submit |
| 36 | Pandit Tanuja Ganpat       | Self Help Groups                                                                                                                    | Submit |
| 37 | Waghule Punam Macchindra   | Rural Development & role of NABARD                                                                                                  | Submit |
| 38 | Shete Akash Anil           | Rashtriya Bankandun grahkanna purvnyat yenarya sevancha Abhyas karane                                                               | Submit |
| 39 | Date Siddhesh Rajendra     | Vishal junnar Sahkari alkuti Shakhecha gruh karj suvidhecha chistak Abhyas                                                          | Submit |



*Reesh*

**Principal**

Ar's, Commerce & Science College  
Alkuti, Tal. Parner, Dist. A'nagar



**Proje ctWork**  
**(M.COM II)**  
**2023-24**

**'Self Help Groups'**

**Savitribai Phule Pune University, Pune and**

**Arts, Commerce and Science College of Pravara Rural Education Institute, Alakuti**

**Under the Faculty of Commerce M. com. for graduation**

**Submitted research project**

**Research student  
Siddhesh Rajendra Date  
Research Guide**

**Prof. Mr. Getam S K**

**(M.com SET B.ED GDC & A)**



**Pravara Rural Education Institute**

**Public Leader Dr. Balasaheb Vikhe Patil**

**(Awarded Padma Bhushan)**

**Arts, Commerce and Science College, Alakuti**

**Tal: Parner Dist: Ahmednagar**

**Research Center**

**Pravara Gramin Shikshan Sanstha Arts, Commerce and Science College**

**Addr: Post-Alakuti**

**Tal: Parner Dist: Ahmednagar, Pincode: 414305**

HI-tech - 8484 86 8484



## **'Self Help Groups'**

Savitribai Phule Pune University, Pune and

Arts, Commerce and Science College of Pravara Rural Education Institute, Alakuti

Under the Faculty of Commerce M. com. for graduation

Submitted research project

**Research student**

Siddhesh Rajendra Date

**Research Guide**

**Prof. Mr. Getam S K**

(M.com SET B.ED GDC & A)



Pravara Rural Education Institute

Public Leader Dr. Balasaheb Vikhe Patil

(Awarded Padma Bhushan)

Arts, Commerce and Science College, Alakuti

Tal: Parner Dist: Ahmednagar

Research Center

Pravara Gramin Shikshan Sanstha Arts, Commerce and Science College

Addr: Post-Alakuti

Tal: Parner Dist: Ahmednagar, Pincode: 414305



**Public Leader Dr. Balasaheb Vikhe Patil**  
**(Awarded Padma Bhushan)**

Pravara Rural Education Institute  
Arts, Commerce and Science College, Alkuti



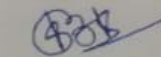
**Student Name**  
Siddhesh Rajendra Date

M.COM II  
Exam Seat No.

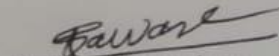
Title Of The Research Project

**'Self Help Groups'**

  
Internal Examiner

  
Principal

Art's, Commerce & Science College  
Alkuti, Tal. Parner Dist. A'nagar 414305

  
External Examiner

Date : 7/5/2024

  
Signature of Student  
Date Siddhesh Rajendra

## CERTIFICATE

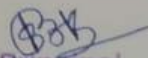
It is certified that Siddhesh Rajendra Date 'Self Help Groups' completed the research project submitted by Siddhesh Rajendra Date in the Department of Commerce for M.Com degree under my guidance and supervision. The information contained in the said research project report has been collected on the basis of primary data and secondary data and is true and correct.

The said research project has not been previously submitted to any university for any degree.

Place Alkuthi

Date 7/5/2024



  
Principal  
Art's Commerce & Science College  
Alkuthi, Tal Parner, Dist A nagar 414305



## CERTIFICATE

I solemnly mention that I am submitting a research project to Savitribai Phule Pune University for M.Com degree on 'Self Help Groups' this subject in the Faculty of Commerce. The said research work has been done by myself and for that purpose primary data and secondary data have been collected and analyzed and separated on the basis of it and conclusions and suggestions have been recorded.

The said research project has not been previously submitted to any university for any degree.

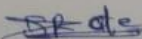
Date : 7/5/2024

Place : Alkuti

  
Principal

Art's Commerce & Science College  
Alkuti, Tal. Parner, Dist. A'nagar 414305

Research student



Siddhesh Rajendra Date

Date Siddhesh Rajendra



## ABSTRACT

I am very happy to submit my research project for M.Com degree under Faculty of Commerce, Savitribai Phule Pune University. As a researcher I consider myself lucky because Prof. An expert guide in research like Getam Sir was my guide to research.

Since I and my research guide live in rural areas, I preferred to choose this subject. As I along with my guide felt that rural areas should be developed by increasing employment in rural areas. And Science College Parner Hon. I am eternally grateful to Principal Parkhe sir for his valuable guidance and support for this research work.

Senior fellow professors and co-guides of my college as well as Prof. Dr. Thorat S S, Prof. Zaware R J, Prof. Mane M M Many thanks to and all the faculty staff of the college for their valuable cooperation in the research... Many college librarians and their colleagues have given special help in the said research work.

Public leader Balasaheb Vikhe Patil of Arts, Commerce and Science College Alakuti has an important role in it. He expresses his sincere gratitude for that.

I express my sincere gratitude to all those who directly or indirectly contributed to this research work.



## CONTENTS

| Sl. No. | Title                                              | Page Nos. |
|---------|----------------------------------------------------|-----------|
| 1.      | Introduction                                       | 1         |
| 2.      | Review of Literature                               | 14        |
| 3.      | Statement of the Problem                           | 27        |
| 4.      | Significance of the Study                          | 27        |
| 5.      | Objectives                                         | 28        |
| 6.      | Hypotheses                                         | 28        |
| 7.      | Conceptual and Operational Definition of Variables | 29        |
| 8.      | Scope of the study                                 | 30        |
| 9.      | Research Methodology                               | 30        |
| 10.     | Limitations of the Study                           | 31        |
| 11.     | Analysis and Interpretation                        | 32        |
| 12.     | Findings, Conclusion and Suggestions               | 41        |

## ANNEXURE

Pictures of enumerators administering the schedules among the members of self-help groups in their homes.





**Geography  
Project (S.Y.B.A)  
2023-24**

## Department of Geography

### Project List 2023-24

| Sr. No | Name of The Student        | Class   | Project Title       | Remark |
|--------|----------------------------|---------|---------------------|--------|
| 1      | Chaudhari Divya Ashok      | S.Y.B.A | Field Visit Project | Submit |
| 2      | Chaudhari Vaishanvi Babaji | S.Y.B.A | Field Visit Project | Submit |
| 3      | Kolhe Pallavi Baban        | S.Y.B.A | Field Visit Project | Submit |
| 4      | Shirole Siddhi Sharad      | S.Y.B.A | Field Visit Project | Submit |
| 5      | Shirole Chhaya Santosh     | S.Y.B.A | Field Visit Project | Submit |
| 6      | Gulave Vaishnavi Vasant    | S.Y.B.A | Field Visit Project | Submit |
| 7      | Jamdade Chitanaya Vinayak  | S.Y.B.A | Field Visit Project | Submit |
| 8      | Khamkar Nikhil Kisan       | S.Y.B.A | Field Visit Project | Submit |
| 9      | Musale Rohini Babaji       | S.Y.B.A | Field Visit Project | Submit |
| 10     | Mali Champa Pandurang      | S.Y.B.A | Field Visit Project | Submit |
| 11     | Tanjane Aditi PraDeep      | S.Y.B.A | Field Visit Project | Submit |
| 12     | Bichare Ganesh Sakharam    | S.Y.B.A | Field Visit Project | Submit |
| 13     | Shirke Jay Laxman          | S.Y.B.A | Field Visit Project | Submit |
| 14     | Dhage Siddhi Nitin         | S.Y.B.A | Field Visit Project | Submit |



A handwritten signature in blue ink, appearing to read "Reels".

**Principal**

Art's, Commerce & Science College  
Alkute, Tal. Parner, Dist. A'nagar



**Environment  
Project (S.Y.B.A)  
2023-24**

| Sr. No | Name of The Students       | Class   | Project Title                                | Remark |
|--------|----------------------------|---------|----------------------------------------------|--------|
| 1      | Chaudhari Divya Ashok      | S.Y.B.A | Mruda Sandharan                              | Submit |
| 2      | Chaudhari Vaishanvi Babaji | S.Y.B.A | Paryavaran Rasachi Karne                     | Submit |
| 3      | Kolhe Pallavi Baban        | S.Y.B.A | Vayu Paradushan                              | Submit |
| 4      | Gunjal Sachin Jagannath    | S.Y.B.A | Jalpradushavaril Upay                        | Submit |
| 5      | Lonkar Akshay Santosh      | S.Y.B.A | Vayu Pradushanachi Karne                     | Submit |
| 6      | Uchale Nilesh Daulat       | S.Y.B.A | Vruksha Todiche Parinam                      | Submit |
| 7      | uchale Aksah Rohidas       | S.Y.B.A | Paryavaranache Mahtva                        | Submit |
| 8      | Shirole Siddhi Sharad      | S.Y.B.A | Ozanchya rasachi Karne                       | Submit |
| 9      | Pansare Pravin Navnath     | S.Y.B.A | Jaminichi Dhup Honyachi Karne                | Submit |
| 10     | Pacharne Kiran Santosh     | S.Y.B.A | Pradushanache Prakar                         | Submit |
| 11     | Auti Sanika Daulat         | S.Y.B.A | Jalpradushanachi Karne                       | Submit |
| 12     | Borkar Mahesh Sukhadev     | S.Y.B.A | Jangal Todiche Parinam                       | Submit |
| 13     | Shirtar Shivani Suresh     | S.Y.B.A | Mruda Sandharan                              | Submit |
| 14     | Nichit Vikram Devidas      | S.Y.B.A | Mruda Sandharan                              | Submit |
| 15     | Shirole Chhaya Santosh     | S.Y.B.A | Paryavaran Rasachi Karne                     | Submit |
| 16     | Thorat Sahil Khandu        | S.Y.B.A | Vayu Paradushan                              | Submit |
| 17     | Thorat Shivam Balasaheb    | S.Y.B.A | Jalpradushavaril Upay                        | Submit |
| 18     | Bhosale Pratik Prakash     | S.Y.B.A | Vayu Pradushan                               | Submit |
| 19     | Dere Siddhesh Dilip        | S.Y.B.A | Jal Pradushan                                | Submit |
| 20     | Bhosale Suyog Shamrao      | S.Y.B.A | Hava Pradushan                               | Submit |
| 21     | Gorde Nitin Rajendra       | S.Y.B.A | Jal Pradushan                                | Submit |
| 22     | Thorat Shital Namdev       | S.Y.B.A | Jal Pradushan                                | Submit |
| 23     | Lad Megha Santosh          | S.Y.B.A | Hava Pradushan                               | Submit |
| 24     | Mavale Monika Rajendra     | S.Y.B.A | Surya Kirnache Paryavarnavar Honarye Parinam | Submit |
| 25     | Kalaskar Abhijit Nandu     | S.Y.B.A | Paryavaran                                   | Submit |
| 26     | Kalaskar Varshatai Nandu   | S.Y.B.A | Jal Pradushan                                | Submit |
| 27     | Shinde Sachin Navnath      | S.Y.B.A | Hava Pradushan                               | Submit |
| 28     | Khamkar Girish Prabhu      | S.Y.B.A | Vayu Pradushan                               | Submit |
| 29     | Mhaske Gayatri Santosh     | S.Y.B.A | Mruda Pradushan                              | Submit |
| 30     | Pandit Harshad Devidas     | S.Y.B.A | Hava Pradushan                               | Submit |
| 31     | Khamkar Sudarshan Santosh  | S.Y.B.A | Vayu Pradushan                               | Submit |
| 32     | Shirtar Kajal Santosh      | S.Y.B.A | Vayu Pradushan                               | Submit |
| 33     | Uchale Akshay Dipak        | S.Y.B.A | Pariswanstha Paryavaran Prakalp              | Submit |
| 34     | Gulave Vaishnavi Vasant    | S.Y.B.A | Pariswanstha Paryavaran Prakalp              | Submit |
| 35     | Borude Omkar Rohidas       | S.Y.B.A | Jal Pradushan                                | Submit |
| 36     | Hilal Aditya Sopan         | S.Y.B.A | Paryavaran                                   | Submit |
| 37     | Mhaskule Nikita Bapu       | S.Y.B.A | Jal Pradushan                                | Submit |
| 38     | Jadnav Dipak Avinash       | S.Y.B.A | Jal Pradushan                                | Submit |
| 39     | Jamdade Chitanaya Vinayak  | S.Y.B.A | Hava Pradushan                               | Submit |

|    |                            |         |                                              |        |
|----|----------------------------|---------|----------------------------------------------|--------|
| 40 | Boruhade vijay Shivaji     | S.Y.B.A | Mruda Pradushan                              | Submit |
| 41 | Mhaske Tanuja Rajendra     | S.Y.B.A | Hava Pradushan                               | Submit |
| 42 | Khamkar Nikhil Kisan       | S.Y.B.A | Vayu Pradushan                               | Submit |
| 43 | Shirole Gayatri Balasaheb  | S.Y.B.A | Mruda Pradushan                              | Submit |
| 44 | Yewale Abhijit Dasharth    | S.Y.B.A | Hava Pradushan                               | Submit |
| 45 | Gadage Pranav Balasaheb    | S.Y.B.A | Vayu Pradushan                               | Submit |
| 46 | Chaudhari Sandesh Vijay    | S.Y.B.A | Jal Pradushan                                | Submit |
| 47 | Bhosale Adesh Sitaram      | S.Y.B.A | Hava Pradushan                               | Submit |
| 48 | Gujar Omkar Balasaheb      | S.Y.B.A | Jal Pradushan                                | Submit |
| 49 | Thorat Shubham Khandu      | S.Y.B.A | Jal Pradushan                                | Submit |
| 50 | Gaikawad Mahendra Haribhau | S.Y.B.A | Hava Pradushan                               | Submit |
| 51 | Dhumane Pratik Subhash     | S.Y.B.A | Surya Kirnache Paryavarnavar Honarye Parinam | Submit |
| 52 | Gund Vishwas Bhimraj       | S.Y.B.A | Paryavaran                                   | Submit |
| 53 | More Sushant Gorakshanath  | S.Y.B.A | Jal Pradushan                                | Submit |
| 54 | Yewale Dipak Baban         | S.Y.B.A | Hava Pradushan                               | Submit |
| 55 | Yewale Arati Mhatu         | S.Y.B.A | Vayu Pradushan                               | Submit |
| 56 | Atak Priyanka Vilas        | S.Y.B.A | Mruda Pradushan                              | Submit |
| 57 | Chavan Vaishanvi Ramesh    | S.Y.B.A | Hava Pradushan                               | Submit |
| 58 | Mhaske Nisha Balasaheb     | S.Y.B.A | Vayu Pradushan                               | Submit |
| 59 | Gadge Gaurav Dattatray     | S.Y.B.A | Vayu Pradushan                               | Submit |
| 60 | Chate Suraj Sandip         | S.Y.B.A | Pariswanstha Paryavaran Prakalp              | Submit |
| 61 | Musale Rohini Babaji       | S.Y.B.A | Pradushanache Prakar                         | Submit |
| 62 | Pathan Tohid Baba          | S.Y.B.A | Jalpradushanachi Karne                       | Submit |
| 63 | Mavale Karan Arun          | S.Y.B.A | Jangal Todiche Parinam                       | Submit |
| 64 | Thombare Manisha Sopan     | S.Y.B.A | Mruda Sandharan                              | Submit |
| 65 | Mali Champa Pandurang      | S.Y.B.A | Paryavaran Rasachi Karne                     | Submit |
| 66 | Mhaske Avinash Khandu      | S.Y.B.A | Vayu Paradushan                              | Submit |
| 67 | Shaikh Siddik Altaf        | S.Y.B.A | Jalpradushavaril Upay                        | Submit |
| 68 | kanse Akshay Kailas        | S.Y.B.A | Vayu Pradushanachi Karne                     | Submit |
| 69 | Gadge Pratik Sandip        | S.Y.B.A | Vruksha Todiche Parinam                      | Submit |
| 70 | Dere Shubham Ganesh        | S.Y.B.A | Paryavaranache Mahtva                        | Submit |
| 71 | Tanjane Aditi PraDeep      | S.Y.B.A | Ozanchya rasachi Karne                       | Submit |
| 72 | Bichare Ganesh Sakharam    | S.Y.B.A | Jaminichi Dhup Honyachi Karne                | Submit |
| 73 | Shirke Jay Laxman          | S.Y.B.A | Pradushanache Prakar                         | Submit |
| 74 | Awari Jayshri Gulab        | S.Y.B.A | Jalpradushanachi Karne                       | Submit |
| 75 | Gaikwad Sarthak Balkrushna | S.Y.B.A | Jangal Todiche Parinam                       | Submit |
| 76 | Rathod Vikas Vijay         | S.Y.B.A | Mruda Sandharan                              | Submit |
| 77 | Katariya Yogesh Sunil      | S.Y.B.A | Paryavaran Rasachi Karne                     | Submit |
| 78 | Lamkhade Saurabh Dattatray | S.Y.B.A | Vayu Paradushan                              | Submit |

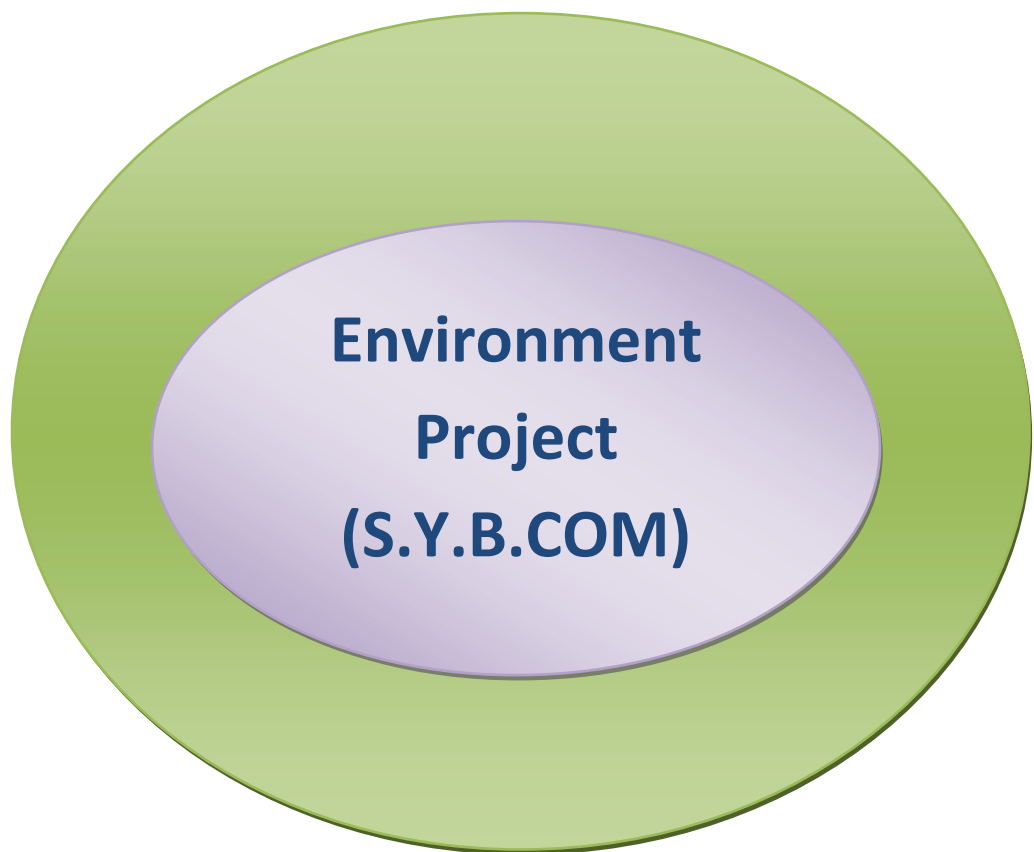
|    |                          |         |                               |        |
|----|--------------------------|---------|-------------------------------|--------|
| 79 | Gadekar Rohan Ajit       | S.Y.B.A | Jalpradushavaril Upay         | Submit |
| 80 | Pandagale Priti Arun     | S.Y.B.A | Vayu Pradushanachi Karne      | Submit |
| 81 | Wagh Atish Anand         | S.Y.B.A | Vruksha Todiche Parinam       | Submit |
| 82 | Gafale Gauri Mhasu       | S.Y.B.A | Paryavaranaache Mahtva        | Submit |
| 83 | Zinjad Dishant Dattatray | S.Y.B.A | Ozanchya rasachi Karne        | Submit |
| 84 | Mvale Suyog Sunil        | S.Y.B.A | Jaminichi Dhup Honyachi Karne | Submit |
| 85 | Dhage Siddhi Nitin       | S.Y.B.A | Mruda Pradushan               | Submit |
| 86 | Mapari Sunil Balasaheb   | S.Y.B.A | Hava Pradushan                | Submit |



*[Handwritten Signature]*

**Principal**

Art's, Commerce & Science College  
Alkute, Tal. Parner, Dist. A'nagar



| Sr.No | Name of The Students        | Class     | Project Title                                | Remark |
|-------|-----------------------------|-----------|----------------------------------------------|--------|
| 1     | Pansare Archana Pandurang   | S.Y.B.COM | Mruda Pradushan                              | Submit |
| 2     | Gajare Sayali Rajaram       | S.Y.B.COM | Hava Pradushan                               | Submit |
| 3     | Nichit Sakshi Sunil         | S.Y.B.COM | Vayu Pradushan                               | Submit |
| 4     | Dalvi Nikhil Subhash        | S.Y.B.COM | Mruda Pradushan                              | Submit |
| 5     | Bhakare Aditya Kailas       | S.Y.B.COM | Hava Pradushan                               | Submit |
| 6     | Auti Payal Amol             | S.Y.B.COM | Vayu Pradushan                               | Submit |
| 7     | Sabale Radhakrishna Thakaji | S.Y.B.COM | Jal Pradushan                                | Submit |
| 8     | Auti Mayuri Subhash         | S.Y.B.COM | Hava Pradushan                               | Submit |
| 9     | Gore Diksha Machhindra      | S.Y.B.COM | Jal Pradushan                                | Submit |
| 10    | Karkande Sejal Sunil        | S.Y.B.COM | Jal Pradushan                                | Submit |
| 11    | Lanke Pawanputra Jaysing    | S.Y.B.COM | Hava Pradushan                               | Submit |
| 12    | Bhutambare Ashwini Somanath | S.Y.B.COM | Surya Kirnache Paryavarnavar Honarye Parinam | Submit |
| 13    | Ainapure Ambika Tukaram     | S.Y.B.COM | Paryavaran                                   | Submit |
| 14    | Mavale Bhavika Arun         | S.Y.B.COM | Jal Pradushan                                | Submit |
| 15    | Gawade Pratik Nagesh        | S.Y.B.COM | Hava Pradushan                               | Submit |
| 16    | Shinde Bhavika Goraksh      | S.Y.B.COM | Vayu Pradushan                               | Submit |
| 17    | Aher Adesh Sampat           | S.Y.B.COM | Mruda Pradushan                              | Submit |
| 18    | Belote Swati Rajaram        | S.Y.B.COM | Hava Pradushan                               | Submit |
| 19    | Shelke Nikhil Ashok         | S.Y.B.COM | Vayu Pradushan                               | Submit |
| 20    | Date Kaveri Ashok           | S.Y.B.COM | Vayu Pradushan                               | Submit |
| 21    | Walekar Sonali Vitthal      | S.Y.B.COM | Pariswanstha Paryavaran Prakalp              | Submit |
| 22    | Kaudare Adarsh Anil         | S.Y.B.COM | Pariswanstha Paryavaran Prakalp              | Submit |
| 23    | Date Pradip Tukaram         | S.Y.B.COM | Jal Pradushan                                | Submit |
| 24    | Agre Vaishanv Hanumant      | S.Y.B.COM | Paryavaran                                   | Submit |
| 25    | Bhutambare Nilam Balu       | S.Y.B.COM | Jal Pradushan                                | Submit |
| 26    | Dere Akanksha Satish        | S.Y.B.COM | Jal Pradushan                                | Submit |
| 27    | Kawade Usha Navnath         | S.Y.B.COM | Hava Pradushan                               | Submit |
| 28    | Thorat Snehal Bhausaheb     | S.Y.B.COM | Hava Pradushan                               | Submit |
| 29    | Nichit Vijay Shankar        | S.Y.B.COM | Jal Pradushan                                | Submit |
| 30    | Shelke Aniket Navanath      | S.Y.B.COM | Jal Pradushan                                | Submit |
| 31    | Belhekar Pratik Kashinath   | S.Y.B.COM | Hava Pradushan                               | Submit |
| 32    | Gajare Tushar Sopan         | S.Y.B.COM | Jal Pradushan                                | Submit |
| 33    | Ganje Mayur Bhanudas        | S.Y.B.COM | Mruda Pradushan                              | Submit |
| 34    | Todkar Navnath Bhausaheb    | S.Y.B.COM | Jal Pradushan                                | Submit |
| 35    | Mavale Bharti Bhimaji       | S.Y.B.COM | Jal Pradushan                                | Submit |
| 36    | Bodage Tushar Santosh       | S.Y.B.COM | Vayu Pradushan                               | Submit |
| 37    | Thorat Tejaswi Eknath       | S.Y.B.COM | Jal Pradushan                                | Submit |
| 38    | Punekar Anjali Narayan      | S.Y.B.COM | Mruda Sandharan                              | Submit |
| 39    | Dongare Swapnil Balasaheb   | S.Y.B.COM | Jal Pradushan                                | Submit |
| 40    | Walunj Shrutika Balasaheb   | S.Y.B.COM | Paryavaran                                   | Submit |
| 41    | Pawar Rohit Prakash         | S.Y.B.COM | Jalpradushan                                 | Submit |
| 42    | Rokade Jivan Sunil          | S.Y.B.COM | Paryavaran                                   | Submit |
| 43    | Kamble Vaibhav Devidas      | S.Y.B.COM | Jal Pradushan                                | Submit |
| 44    | Date Atul Bhaskar           | S.Y.B.COM | Pariswanstha Paryavaran Prakalp              | Submit |

|    |                            |           |                               |        |
|----|----------------------------|-----------|-------------------------------|--------|
| 45 | Nichit Aditya Arun         | S.Y.B.COM | Paryavaran                    | Submit |
| 46 | Bhaik Archana Kondiba      | S.Y.B.COM | Jal Pradushan                 | Submit |
| 47 | Bhosale Vaibhav Banshi     | S.Y.B.COM | Jal Pradushan                 | Submit |
| 48 | Pawade Vicky Karbhari      | S.Y.B.COM | Hava Pradushan                | Submit |
| 49 | Yewale Sanket Khandu       | S.Y.B.COM | Korona Vishyi Mahiti          | Submit |
| 50 | Khose Rahul Santosh        | S.Y.B.COM | Korona Vishyi Mahiti          | Submit |
| 51 | Korde Harshad Dilip        | S.Y.B.COM | Pradushan                     | Submit |
| 52 | Nichit Mayur Suresh        | S.Y.B.COM | Jal Pradushan                 | Submit |
| 53 | Nichit Shubham Sudam       | S.Y.B.COM | Payavaran                     | Submit |
| 54 | Nichit Abhishek Vilas      | S.Y.B.COM | Jal Pradushan                 | Submit |
| 55 | Date Vikrant Ananda        | S.Y.B.COM | Jal Pradushan                 | Submit |
| 56 | Sasane Rohan Ravindra      | S.Y.B.COM | Jal Pradushan                 | Submit |
| 57 | Pichad Kamini Dashrath     | S.Y.B.COM | Hava Pradushan                | Submit |
| 58 | Todkar sakshi samadhan     | S.Y.B.COM | Hava Pradushan                | Submit |
| 59 | Uchale Kalyani Sayaji      | S.Y.B.COM | Naisargik Aapatti             | Submit |
| 60 | Mhaske Maya Maruti         | S.Y.B.COM | Jal Pradushan                 | Submit |
| 61 | Wagh Sudharshan Shashikant | S.Y.B.COM | Naisargik Aapatti             | Submit |
| 62 | Dongare Dinesh Nanabhau    | S.Y.B.COM | Jal Pradushan                 | Submit |
| 63 | Surkunde Akshay Phulaji    | S.Y.B.COM | Naisargik Aapatti             | Submit |
| 64 | Jadhav Nikita Ashok        | S.Y.B.COM | Hava Pradushan                | Submit |
| 65 | Waje Rushikesh Sampat      | S.Y.B.COM | Takau Kachryache Vyavasthapan | Submit |
| 66 | Sarade Vaishnavi Balasaheb | S.Y.B.COM | Hava Pradushan                | Submit |
| 67 | Chavan Rahul Vilas         | S.Y.B.COM | Jal Pradushan                 | Submit |
| 68 | Bichare Sakshi Govind      | S.Y.B.COM | Hava Pradushan                | Submit |
| 69 | Atkari Harshada Vilas      | S.Y.B.COM | Hava Pradushan                | Submit |
| 70 | Dere Priti Babaji          | S.Y.B.COM | Jal Pradushan                 | Submit |
| 71 | Waje Sanket Machhindra     | S.Y.B.COM | Hava Pradushan                | Submit |
| 72 | Shinde Tanmay Bhausaheb    | S.Y.B.COM | Naisargik Aapatti             | Submit |
| 73 | Shinde Rohit Ramdas        | S.Y.B.COM | Jal Pradushan                 | Submit |
| 74 | Shinde Adinath Sanjay      | S.Y.B.COM | Hava Pradushan                | Submit |
| 75 | Chaudhari Sanika Sandip    | S.Y.B.COM | Jal Pradushan                 | Submit |
| 76 | Shelke Dnyaneshwar Kisan   | S.Y.B.COM | Hava Pradushan                | Submit |
| 77 | Kokane Vijay Shivaji       | S.Y.B.COM | Jal Pradushan                 | Submit |
| 78 | Pathare Vinay Fakira       | S.Y.B.COM | Jal Pradushan                 | Submit |
| 79 | Jori Ajit Vitthal          | S.Y.B.COM | Vayu Pradushan                | Submit |
| 80 | Thorat Yogesh Popat        | S.Y.B.COM | Jal Pradushan                 | Submit |
| 81 | Pansare Suraj Sharad       | S.Y.B.COM | Naisargik Aapatti             |        |
| 82 | Gadge Omkar Santosh        | S.Y.B.COM | Hava Pradushan                |        |
| 83 | Aher Akshay Babaji         | S.Y.B.COM | Takau Kachryache Vyavasthapan |        |
| 84 | Shinde Dhananjay Balasaheb | S.Y.B.COM | Hava Pradushan                |        |



The image shows the front cover of a project report. It features a white background with a large, centered rectangular frame. This frame has a thick blue border and a light blue inner fill. Within this, there is a smaller rectangle with a red border and a light red fill. The text is centered within the red rectangle in a bold, dark blue font.

**Environment  
Project  
(S.Y.B.SC)  
2023-24**

## Environment Project (S.Y.B.SC) 2023-24

| Sr. No | Name of The Students       | Class    | Project Title                  | Remark |
|--------|----------------------------|----------|--------------------------------|--------|
| 1      | Thange Dipali Laxman       | S.Y.B.SC | Effect Of Population Migration | Submit |
| 2      | Rokade Mangal Fakira       | S.Y.B.SC | Classification of Hazards      | Submit |
| 3      | Kadam Rutuja Machindra     | S.Y.B.SC | Land Degradation               | Submit |
| 4      | Sarade Manali Shantaram    | S.Y.B.SC | Biodiversity Profile OF India  | Submit |
| 5      | Shinde Neha Vinod          | S.Y.B.SC | Energy Resources               | Submit |
| 6      | Belote Bharati Raghunath   | S.Y.B.SC | Global Warming                 | Submit |
| 7      | Galande Yash Shivaji       | S.Y.B.SC | Eco System                     | Submit |
| 8      | Walunj Anuja Jagan         | S.Y.B.SC | Water Pollution                | Submit |
| 9      | Galande Sarthak Atul       | S.Y.B.SC | Air Pollution                  | Submit |
| 10     | Chaudhari Rutuja Kondibhau | S.Y.B.SC | Nature Of Environment          | Submit |
| 11     | Gawade Payal Ankush        | S.Y.B.SC | Green House Effect             | Submit |
| 12     | Uchale Sanket Kailas       | S.Y.B.SC | Classification of Resources    | Submit |
| 13     | Date Sainath Babaji        | S.Y.B.SC | Important of Forest            | Submit |
| 14     | Lende Priyanka Bhimaji     | S.Y.B.SC | Green House Effect             | Submit |
| 15     | Belkar Sahil Kundalik      | S.Y.B.SC | Land Degradation               | Submit |
| 16     | Zinjad Harshad Pratap      | S.Y.B.SC | Effect Of Population Migration | Submit |
| 17     | Gorde Sanket Dnyandev      | S.Y.B.SC | Classification of Hazards      | Submit |
| 18     | Pawar Sandip Damu          | S.Y.B.SC | Land Degradation               | Submit |
| 19     | Chaskar Vaishali Tukaram   | S.Y.B.SC | Sound Pollution                | Submit |
| 20     | Shirole Saurabh Satish     | S.Y.B.SC | Effect Of Population Migration | Submit |
| 21     | Palaskar Pratik Sanjay     | S.Y.B.SC | Classification of Hazards      | Submit |
| 22     | Kawade Suyog Santosh       | S.Y.B.SC | Land Degradation               | Submit |
| 23     | Tattu Tanishka Rajendra    | S.Y.B.SC | Biodiversity Profile OF India  | Submit |
| 24     | Date Malhar Santosh        | S.Y.B.SC | Energy Resources               | Submit |
| 25     | Mavale Shashvat Dipak      | S.Y.B.SC | Global Warming                 | Submit |
| 26     | Tamboli Ayan Innus         | S.Y.B.SC | Eco System                     | Submit |
| 27     | Bhagwat Yogesh Dinkar      | S.Y.B.SC | Water Pollution                | Submit |
| 28     | Belote Mayur Shripat       | S.Y.B.SC | Air Pollution                  | Submit |
| 29     | Pingat Riddhi Santosh      | S.Y.B.SC | Nature Of Environment          | Submit |
| 30     | Galande Akshada Devram     | S.Y.B.SC | Green House Effect             | Submit |
| 31     | Sarode sayali Navanath     | S.Y.B.SC | Noise Pollution                | Submit |
| 32     | Patel Muskan Abdulraheman  | S.Y.B.SC | Important of Forest            | Submit |
| 33     | Dhome Rohan Balshiram      | S.Y.B.SC | Green House Effect             | Submit |

# **NOISE POLLUTION**

A Report Submitted to

Faculty of Science (S.Y.B.Sc)

**ARTS, COMMERCE & SCIENCE COLLEGE ALKUTI**

Tal- Parner, Dist- Ahmednagar

By

**Mr. Tamboli Ayan Innus**

Under the Guidance of

**Prof. Ughade P.K.**

March 2024

*Ughade P.K.*  
**Head**  
Department Of Zoology  
A.C.S & College, A.  
Tal- Parner, Dist- Ahmednagar

Prof. Ughade P.K.



*for* **Principal**  
Art's, Commerce & Science College  
Alkuti, Tal. Parner, Dist. Ahmednagar 414305  
**Principal**

## **Conclusion**

- 1. Air pollution is often the most obvious and widespread type of pollution.*
- 2. Health effects of these pollutants include respiratory disease, birth defects, heart attacks, cancer and developmental disabilities in children. Environmental impacts include destruction of stratospheric ozone , poisoning forests and Waters by acid rain , and corrosion of building materials.*
- 3. We have made encouraging progress in controlling air pollution , progress that has economic benefits as well as health benefits.*

## **Acknowledgement**

Primarily I would to thank God for being able to complete this project with success. Then I would to thank my environment teacher Mr. Ughade P.K. whose valuable guidance has been the once that helped me patch this project and make it full proof success his suggestion and instruction has served as the major contributor towards completion of project.

Then I would like to thank my parents and friends who have helped me with their valuable suggestion and guidance has been helpful in various phases of the completion of the project. Last but not the least I would like to thanks my classmate helped me lot.

*Tattu ..*

**Miss. Tattu Tanishka Rajendra**

S.Y.BSc

even when subjected to very loud noises. Different

people have different depths of sleep and they can adjust to nocturnal sounds. Undoubtedly, however, noisy conditions near residential areas at night must be avoided lack of continuous sleep has as counteract it.

Many techniques for sound insulation are available today and can be applied at relatively modest expense.

### **Effect on hearing or deafness:**

These effects only become of real importance if the sounds are exceptionally loud. Continuous exposure to noise levels much above 100 dB has an adverse effect on hearing ability within a fairly short time. Many workers who are exposed to the noise of jet aircraft or very noisy workshops for even moderate periods soon develop detectable hearing defects. Today it has become the practice for workers in these situations to the

### **Effect on Communication or Speech Interference:**

External sounds can interfere with conversation and use of the telephone, and well as the enjoyment of radio and television programmes and like pastimes. It can thus affect the efficiency of offices, schools and other places where communication is of vital importance. The maximum accepted level of noise under such conditions is 55 dB. 70 dB is considered very noisy and serious interference with verbal communications is inevitable

**Mental or Physiological Effects:** Many people complain that noise makes them mentally ill. Experiments have been performed to attempt to confirm or disprove these claims. According to the

1. **H.M. Stationary Office report Noise;** noise certainly does not contribute in the least to mental illness. Doctors and scientist have now medically confirmed that noise disturbs the biological organisms and their respective functions of the humans. Fire crackers and other excessive and continuous explosives become physically painful giving rise to neurosis,

## **Air Pollution Control**

Following are the measures one should adopt to control air pollution:

### **1.Avoid Using Vehicles**

*People should avoid using vehicles for shorter distances. Rather they should prefer public modes of transport to travel from one place to another. This not only prevents pollution but also conserves energy.*

### **2.Energy Conservation**

*A large number of fossil fuels are burnt to generate electricity. Therefore, do not forget to switch off the electrical appliances when not in use. Thus, you can save the environment at the individual level. Use of energy-efficient devices such CFLs also controls pollution to a greater level.*

### **Use of Clean Energy Resources**

*The use of solar, wind and geothermal energies reduce air pollution at a larger level. Various countries including India have implemented the use of these resources as a step towards a cleaner environment.*

Loknete Dr. Balasaheb Vikhe Patil (Padmabhushan Awardee)

Pravara Rural Education Society's

**ARTS, COMMERCE & SCIENCE COLLEGE , ALKUTI**

Tal- Parner, Dist- Ahmednagar

**CERTIFICATE**

Date:-28/03/2024

This is certify that **Miss. Tattu Tanishka Rajendra** of S.Y.BSc has satisfactory /Unsatisfactory the course in Environmental Awareness as per the syllabus by the Savitribai Phule Pune University during the academic year 2023-24 and this project represents has bonfire work.

*Ughade P.K.*  
**Head**  
Department Of Zoology  
A.C. & S. College, Alkuti  
Tal - Parner, Dist- A'nagar  
Head of Department

Prof. Ughade P.K.

*for* *P.K.*  
**Principal**  
Art's, Commerce & Science College  
Alkuti, Tal, Parner, Dist. A'nagar 414305  
Principal

## **2. Household**

The household is an industry in itself and is a source of many indoor noises such as the banging of doors, noise of playing children, crying of infants, moving of furniture, loud conversation of the inhabitants etc.

Besides these are the entertainment equipment in the house, namely the radio, record-players and television sets. Domestic gadgets like the mixer-grinders, pressure cookers, desert coolers, air-conditioners, exhaust fans, vacuum cleaners, sewing and washing machines are all indoor sources of noise pollution

## **3. Public Address System**

In India people need only the slightest of an excuse for using loud speakers. The reason may be a religious function, birth, death, marriage, elections, demonstration, or just commercial advertising. Public system, therefore, contributes in its own way towards noise pollution.

## **Effects of Noise Pollution**

The effects of noise pollution has a ill effects not only on the human beings but also on other living and non- living things, which will be discussed below:

**Repeated Interference with sleep:** In a social survey carried out amongst people living in the vicinity of London Airport, some 22 per cent said that they sometimes found difficulty in getting to sleep because of airport noises. In areas where the noise level was particularly high, up to 50 per cent complained about the noise. An even higher percentage said they were awakened by high intensity noises, usually early at night when sleep was not yet deep. After people have been asleep for some hours, they do not readily wake up,

## **2.Global Warming**

*Due to the emission of greenhouse gases, there is an imbalance in the gaseous composition of the air. This has led to an increase in the temperature of the earth. This increase in earth's temperature is known as global warming. This has resulted in the melting of glaciers and an increase in sea levels. Many areas are submerged under water.*



## **3.Acid Rain**

*The burning of fossil fuels releases harmful gases such as nitrogen oxides and sulphur oxides in the air. The water droplets combine with these pollutants, become acidic, and fall as acid rain which damages human, animal and plant life.*



# **AIR POLLUTION**

A Report Submitted to

Faculty of Science (S.Y.B.Sc)

**ARTS, COMMERCE & SCIENCE COLLEGE ALKUTI**

Tal- Parner, Dist- Ahmednagar

By

**Miss. Tattu Tanishka Rajendra**

Under the Guidance of

**Prof. Ughade P.K.**

March 2024

*Ughade P.K.*  
**Head**  
Department Of Zoology  
A.C. & S College, Alkuti  
Tal. Parner, Dist. A'nagar  
Head of Department

Prof. Ughade P.K.



*[Signature]*  
**Principal**  
Art's, Commerce & Science College  
Alkuti, Tal. Parner, Dist. A'nagar 414305  
Principal

The title card features a central light green rectangle with a blue border. The text is centered within the green area in a bold, dark blue font. The overall design is simple and professional.

**Geography  
Project (T.Y.B.A)  
2023-24**

## Department Of Geography

### Project List

| Sr.NO | Name of The Students     | Class   | Project Title       | Remark |
|-------|--------------------------|---------|---------------------|--------|
| 1     | Mule Jyotsna Lahu        | T.Y.B.A | Field Visit Project | Submit |
| 2     | Zinjad Karan Bhausahab   | T.Y.B.A | Field Visit Project | Submit |
| 3     | Zinjad Harshad Balshiram | T.Y.B.A | Field Visit Project | Submit |
| 4     | Meher Pratiksha Anil     | T.Y.B.A | Field Visit Project | Submit |
| 5     | Mawale Sayali Tulshiram  | T.Y.B.A | Field Visit Project | Submit |
| 6     | Galande Reshma Janardhan | T.Y.B.A | Field Visit Project | Submit |
| 7     | Meher Bhagyashri Sunil   | T.Y.B.A | Field Visit Project | Submit |
| 8     | Havaldar Sohel Pirmohmad | T.Y.B.A | Field Visit Project | Submit |
| 9     | Parkhe Sanket Dinkar     | T.Y.B.A | Field Visit Project | Submit |
| 10    | Mendhe Akshada Babaji    | T.Y.B.A | Field Visit Project | Submit |
| 11    | Gadge Archana Shrirang   | T.Y.B.A | Field Visit Project | Submit |
| 12    | Pathan Asifa Anis        | T.Y.B.A | Field Visit Project | Submit |
| 13    | Auti Vivek Babasaheb     | T.Y.B.A | Field Visit Project | Submit |

|    |                                |         |                     |        |
|----|--------------------------------|---------|---------------------|--------|
| 14 | Ghone Vaijayanta Harishchandra | T.Y.B.A | Field Visit Project | Submit |
| 15 | Borude Rutuja Rajendra         | T.Y.B.A | Field Visit Project | Submit |
| 16 | Gadge Dipak Shrirang           | T.Y.B.A | Field Visit Project | Submit |
| 17 | Galande Krushna Santosh        | T.Y.B.A | Field Visit Project | Submit |
| 18 | Gadge Suraj Balshiram          | T.Y.B.A | Field Visit Project | Submit |
| 19 | Davkhar Madhuri Subhash        | T.Y.B.A | Field Visit Project | Submit |



  
**Principal**  
 Art's, Commerce & Science College  
 Alkute, Tal. Parner, Dist. A'nagar



**Economics  
Project (T.Y.B.A)  
2023-24**

## Department OF Economics

### Project List

| Sr. NO | Name of The Students       | Class   | Project Title                     | Remark |
|--------|----------------------------|---------|-----------------------------------|--------|
| 1      | Shirole Sakshi Shripat     | T.Y.B.A | Gavachya Samassya V Tyavaril Upay | Submit |
| 2      | Dongare Shailesh Dattatray | T.Y.B.A | Slam Area Problems                | Submit |
| 3      | Shinde Ganesh Gorakh       | T.Y.B.A | Slam Area Problems                | Submit |
| 4      | Waghmode Priyanka Rajendra | T.Y.B.A | Gavachya Samassya V Tyavaril Upay | Submit |
| 5      | Navale Sanchit Nivrutti    | T.Y.B.A | Gavachya Samassya V Tyavaril Upay | Submit |
| 6      | Shinare Tushar Santosh     | T.Y.B.A | Slam Area Problems                | Submit |
| 7      | Shinare Prafull Santosh    | T.Y.B.A | Slam Area Problems                | Submit |
| 8      | Naykodi Abhishek Bhartari  | T.Y.B.A | Gavachya Samassya V Tyavaril Upay | Submit |
| 9      | Dolas Kamlesh Sunil        | T.Y.B.A | Slam Area Problems                | Submit |
| 10     | Shaikh Arman Hasan         | T.Y.B.A | Slam Area Problems                | Submit |
| 11     | Gaikwad Pankaj Santosh     | T.Y.B.A | Gavachya Samassya V Tyavaril Upay | Submit |
| 12     | Dere Shravani Vilas        | T.Y.B.A | Gavachya Samassya V Tyavaril Upay | Submit |
| 13     | Mhaske Sarita Ashok        | T.Y.B.A | Slam Area Problems                | Submit |
| 14     | Aher Saurav Shamkant       | T.Y.B.A | Gavachya Samassya V Tyavaril Upay | Submit |
| 15     | Ghule Sukanya Dadabhau     | T.Y.B.A | Slam Area Problems                | Submit |
| 16     | Khose Vaishnavi Hanumant   | T.Y.B.A | Slam Area Problems                | Submit |
| 17     | Shinde Abhishek Arjun      | T.Y.B.A | Gavachya Samassya V Tyavaril Upay | Submit |
| 18     | Gawade vishal Sanjay       | T.Y.B.A | Gavachya Samassya V Tyavaril Upay | Submit |
| 19     | Raskar Saurabh Ramesh      | T.Y.B.A | Slam Area Problems                |        |



*(Signature)*

**Principal**

Art's, Commerce & Science College  
Alkute, Tal. Parner, Dist. A'nagar

पुणे विद्यापीठाच्या बी.ए.अर्थशास्त्र पदवीच्या आंशिक  
पूर्ततेसाठी सादर केलेला

## प्रकल्प अहवाल

संशोधक

कु. गायकवाड पंकज संतोष

फोटो

मार्गदर्शक

प्रा. पानमंद सर

अर्थशास्त्र विभाग

लोकनेते डॉ. बाळासाहेब विखे पाटील कला वाणिज्य व  
विज्ञान महाविद्यालय, अळकुटी, ता. पारनेर,  
जि. अ. नगर.

## प्रास्ताविक आणि संशोधन पद्धती

१.१ प्रास्ताविक :

१.२ संशोधन शीर्षक (समस्याविधान) :

१.३ संशोधनाची आवश्यकता व महत्त्व :

१.४ संशोधनाची उद्दिष्टे :

१.५ संशोधनाची गृहिते :

१.६ संशोधन अभ्यासाची व्याप्ती :

अ) भौगोलिक व्याप्ती :

ब) कालात्मक व्याप्ती :

क) क्रियात्मक व्याप्ती :

१.७ संशोधनाची परिकल्पना :

१.८ संशोधनाच्या मर्यादा :

१.९ संशोधन कार्यपद्धती :

आधारसामग्री किंवा माहिती संकलन :

नमुना निवड :

प्रतिसाद :

## मार्गदर्शिकाचे प्रमाणपत्र

प्रमाणित करण्यात येते की, कु. गायकवाड पंजन संतोष याने / हिने 'राजनाता जिनाऊ महिला वचन गटाचा अभ्यास' हा संशोधन प्रकल्प माझ्या मार्गदर्शनाखाली पूर्ण केला आहे. त्यांनी माहिती मिळविण्यासाठी वापरलेल्या संदर्भ स्रोतांचा योग्य निर्देश या अहवालात करण्यात आला आहे. प्रस्तुत संशोधन कार्य समाधानकारक आहे.



HOD

Department of Economics  
Arts, Commerce & Science College  
Ap - Akul Tal - Paner, Dist - Nagpur  
प्रा. पानसंद सर.

दि. 20/05/2023.

अर्थशास्त्र विभाग प्रमुख

प्रकरण १

प्रास्ताविक आणि संशोधन पद्धती

- १.१ प्रास्ताविक:
- १.२ संशोधन शीर्षक (समस्याविधान):
- १.३ संशोधनाची आवश्यकता व महत्त्व :
- १.४ संशोधनाची उद्दिष्टे :
- १.५ संशोधनाची गृहिते :
- १.६ संशोधन अभ्यासाची व्याप्ती :
  - अ) भौगोलिक व्याप्ती :
  - ब) कालात्मक व्याप्ती :
  - क) क्रियात्मक व्याप्ती :
- १.७ संशोधनाची परिकल्पना:
- १.८ संशोधनाच्या मर्यादा:
- १.९ संशोधन कार्यपद्धती :

आधारसामग्री किंवा माहिती संकलन :

नमुना निवड :

प्रतिसाद :



## प्रमाणपत्र

प्रमाणित करण्यात येते की, कु. शेख अरमान हसन हिने/याने तृतीय वर्ष कला  
या वर्गाच्या संख्यात्मक तंत्रे आणि प्रकल्प कार्य (Business Mangement) या  
अर्थशास्त्र विशेष विषयातील संशोधन प्रकल्प अहवाल लेखन योग्य प्रकारे पूर्ण केले आहे .

सही **HOD**  
**Department of Economics**  
Arts, Commerce & Science College  
Alkuti, Tal - Parner, Dist-A' Nagar

सही

बहिस्थ : पर्यवेक्षक

सही व शिक्का .

  
**Principal**

Art's, Commerce & Science College  
Alkuti, Tal. Parner, Dist. A' Nagar 414305



**History Project  
(T.Y.B.A)  
2023-24**

## Department OF History

### Project List

| Sr. NO | Name of The Students    | Class   | Project Title                   | Remark |
|--------|-------------------------|---------|---------------------------------|--------|
| 1      | Jadhav Mayur Vinod      | T.Y.B.A | Local History of Alkuti Village | Submit |
| 2      | Bhambare Swapnil Balu   | T.Y.B.A | Local History of Alkuti Village | Submit |
| 3      | Khose Akshay Dhondibhau | T.Y.B.A | Local History of Alkuti Village | Submit |
| 4      | Shaikh Taufiq Sattar    | T.Y.B.A | Local History of Alkuti Village | Submit |
| 5      | Shaikh Yakub Iqbal      | T.Y.B.A | Local History of Alkuti Village | Submit |
| 6      | Shinare Payal Babaji    | T.Y.B.A | Local History of Alkuti Village | Submit |
| 7      | Kolhe Omkar Somnath     | T.Y.B.A | Local History of Alkuti Village | Submit |
| 8      | Zinjad Mahesh Prakash   | T.Y.B.A | Local History of Alkuti Village | Submit |
| 9      | Belote Ketan Santosh    | T.Y.B.A | Local History of Alkuti Village | Submit |
| 10     | Thorat Ganesh Vasant    | T.Y.B.A | Local History of Alkuti Village | Submit |
| 11     | Lad Navnath Bhau        | T.Y.B.A | Local History of Alkuti Village | Submit |
| 12     | Awari Atharv Popat      | T.Y.B.A | Local History of Alkuti Village | Submit |
| 13     | Divekar Snehal Dnyandev | T.Y.B.A | Local History of Alkuti Village | Submit |
| 14     | Mavale Sakshi Sampat    | T.Y.B.A | Local History of Alkuti Village | Submit |
| 15     | Chaugule Pooja Sampat   | T.Y.B.A | Local History of Alkuti Village | Submit |
| 16     | Kawade Abhay Rohidas    | T.Y.B.A | Local History of Alkuti Village | Submit |
| 17     | Devkar Sanket Sambhaji  | T.Y.B.A | Local History of Alkuti Village | Submit |
| 18     | Agre sahil Shantaram    | T.Y.B.A | Local History of Alkuti Village | Submit |
| 19     | Bhosale Shubham Baban   | T.Y.B.A | Local History of Alkuti Village | Submit |
| 20     | Sarode Sidhesh Babaji   | T.Y.B.A | Local History of Alkuti Village | Submit |



*Reesh*

**Principal**

Art's, Commerce & Science College  
Alkuti, Tal. Parner, Dist. A'nagar



लोकनेते डॉ. बाळासाहेब बिखे पाटील (पद्मभूषण उपाधीने सन्मानित), प्रबरा ग्रामीण शिक्षण संस्थेचे,

**कला, वाणिज्य व विज्ञान महाविद्यालय, अळकुटी**

ता. पारनेर, जि. अहमदनगर- 414305

सावित्रीबाई फुले पुणे विद्यापीठ, पुणे (संलग्नित)

नॅक मूल्यांकन श्रेणी : B++



## क्षेत्र भेट अहवाल

14/20  
✓

❖ विषय : इतिहास एस-३

उपयोजित इतिहास (३६१७१)

❖ सत्र : ६ (सहावे) वर्ग : तृतीय वर्ष कला

❖ अहवालाचा विषय :

**अळकुटी गावचा स्थानिक इतिहास**

(विशेष संदर्भ अळकुटीचा वाडा, विठ्ठल मंदिर व शिवमंदिर)

❖ अहवाल कर्त्याचे नाव :

**दिवेकर स्नेहल ज्ञानदेव**

❖ मार्गदर्शकाचे नाव :

**प्रा. चाटे ए.के.**

(इतिहास विभागप्रमुख)

**प्रा. रोकडे व्ही.आर.**

(विषय तज्ज्ञ)

**शैक्षणिक वर्ष : २०२३-२४**

# अळकुटी गावचा स्थानिक इतिहास

(विशेष संदर्भ अळकुटीचा वाडा, विठ्ठल मंदिर व शिवमंदिर)

## प्रास्ताविक :

क्षेत्र भेट हा प्रत्यक्ष अनुभूतीद्वारे विद्यार्थ्यांना शिकविण्याचा एक आधुनिक प्रकार आहे. विद्यापीठ पातळीवरील अभ्यासक्रमांत क्षेत्र भेट हा घटक महत्वपूर्ण व अत्यावश्यक मानला आहे. इतिहास विषयातील 'उपयोजित इतिहास' स्पेशल ३ करीत क्षेत्र भेट अथवा अभ्यास सहल अनिवार्य आहे. म्हणूनच याठिकाणी विद्यार्थ्यांना प्रत्यक्ष अनुभूतीद्वारे शिक्षण मिळावे व अभ्यासक्रम जास्तीत जास्त सहजतेने विद्यार्थ्यांना शिकता यावा व अंगभूत व्हावा म्हणून या क्षेत्र भेटीचे आयोजन करण्यात आले आहे.

अळकुटी हे प्राचीन ते अर्वाचीन किनार असलेलं ऐतिहासिक गाव. या परिसराला माउली संत ज्ञानेश्वर ते राजामाता जिजाउंचा पदस्पर्श झालेला, अळकुटीवर सातवाहन ते इंग्रज असा विविध राजवटींचा अंमल होता. कदमबांडे म्हटलं की भव्यदिव्य वास्तू हे समीकरण रूढ आहे मग तो किल्ले तोरखेडा असो की अळकुटी. इथं शिंदे, होळकर, गंधे, दाभाडे, अभ्यंकर, थोरात, गाडेकर अशा प्रचंड कर्तबगार शूरवीरांचा थेट संबंध आलेला आढळतो. या गावानं त्या समृद्ध इतिहासाच्या पाउलखुणा आजही जपल्याचे दिसते.

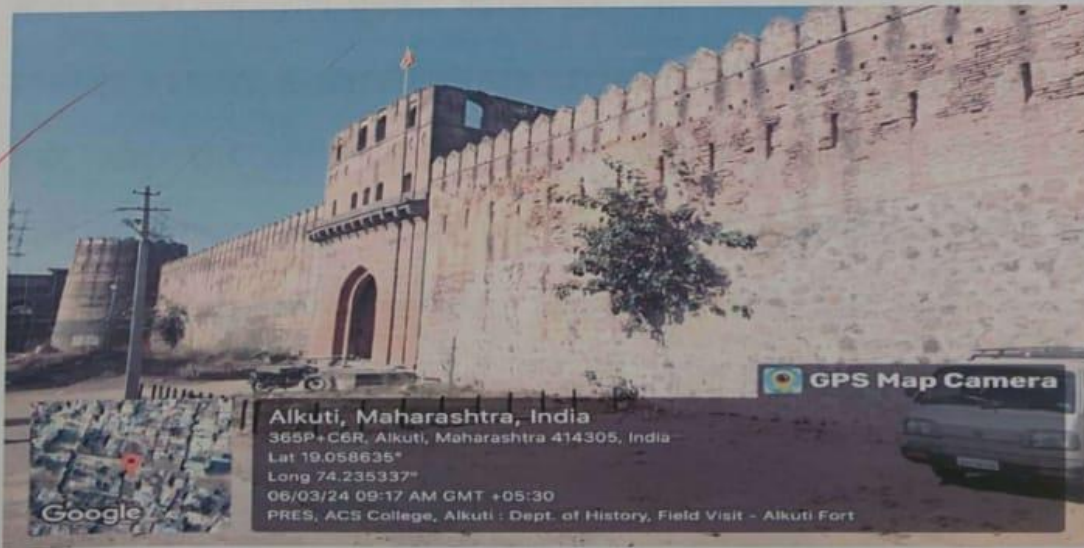
अहमदनगर जिल्हा मुख्यालयापासून कल्याण रस्त्याने अळे-बेल्हेमार्गे अळकुटी ६६ किमी अंतरावर आहे. फार पूर्वी येथील शेरी, गारखिंडी आणि अमरापूर अशा छोट्या जनसमूहाची वस्ती होती. त्यावेळी तिथं अंबरीश ऋषींचं आगमन झालं. मात्र, अंबरीश ऋषींचा पूर्वेतिहास उपलब्ध होत नाही. त्यांच्या तपोभूमीवरून त्यातील जराशा मोठ्या जनसमूहास अमरापूर संबोधलं गेलं. त्यावेळी जनसमूह एकमेकालगत असावेत, असा तर्क

निघतो. ते ठिकाण सध्याच्या अळकुटीच्या उत्तर पश्चिमेला दोन किमी अंतरावर असले पाहिजे. अमरापूर सातवाहनाच्या राजवटीतलं एक प्रमुख गाव होतं. त्याच्या शेजारून सातवाहन साम्राज्याचा एक महत्त्वाचा व्यापारी रस्तेमार्ग खाली कोकणात जात होता. तो काळ इसपू ५० ते इसन २३० या दरम्यान होता. अमरापूरच्या परिसरात सातवाहनाची मोठी हालचाल दिसते. जुन्नर हे त्यांचं इकडील राजकीय हालचालीचं केंद्र होतं, तर नाशिक आणि नाणेघाट त्यांच्या राज्याचा महत्त्वाचा भाग होता. पुढं यादव साम्राज्याच्या उत्तरार्धातसुद्धा हा भूभाग मोठा समृद्ध आणि संपन्न होता. त्या अमरापूरला तेराव्या शतकाच्या शेवटी संत ज्ञानेश्वर माउली पैठणहून-आळंदीला जाताना अमरापूरला आले असल्याचा उल्लेख नार्क जोंधळेच्या दस्तऐवजमध्ये येतो. हा भाग पुढं बहमनी साम्राज्याच्या अमलाखाली दिसतो, तर पुढे तो अहमदनगरच्या निजामशाहीच्या वर्चस्वाखाली येतो.

सन १६२८ मध्ये दख्खनमध्ये मोठा दुष्काळ पडतो. त्यावेळी शहाजीराजे भोसले यांच्या समवेत निजामशाहीच्या पदरी कृष्णाजीराव कदमबांडे व व्यंकोजी कदमबांडे या कर्तबगार सरदारांचा उल्लेख येतो. त्यांनी या परिसरावर अंमल बसविला. तोपर्यंत निजामशाही शेवटाकडं झुकली होती. शहाजीराजांनी नाइलाजास्तव मुघलांशी तह केला. त्यावेळी कृष्णराव व व्यंकोजी कदमबांडे यांनी मुघलांचं आधिपत्य स्वीकारलं आणि त्यांच्या वर्चस्वाखाली अमरापूर परिसरात राहू लागले. त्यापूर्वीच सन १६२८ च्या मोठ्या दुष्काळात लोकजीवन वाचविण्यासाठी कृष्णरावाने दक्षिणेला एक मैल अंतरावर मुबलक पाण्याच्या ठिकाणी मैदानी प्रदेशात नवीन गाव वसविले. त्यास अवळकुंठी किंवा अळकुटी नाव दिले. सुरुवातीला या नगराचा प्रारंभ कृष्णरावांनी गावाच्या उत्तर-पश्चिमेकडं एक मोठा वाडा बांधला, त्याच वाड्यात शहाजीराजे भोसले आणि जिजाऊ

यांचा मुक्काम झाला होता. त्यावेळी कदमबांडे यांनी जिजाऊ मातोश्रींचा मोठा मानसन्मान केल्याचा दाखला मिळतो. त्याच जागेवर पुढं कदमबांडेंनी मराठा साम्राज्याच्या काळात म्हणजे सन १७१० ते १७३५ या काळात सध्या अळकुटी गावात दिसत असलेली भव्यदिव्य गढी चार एकरात बांधली गेली असावी, असे वाटते. या गढीत दुमजली मोठा वाडा बांधण्यात आला. उत्तर पेशवाईत दुसऱ्या बाजीरावांच्या त्र्यंबकजी डेंगळे या सेनापतीच्या हस्तक्षेपामुळं इथं हेर नाईक जोंधळे याचा प्रवेश झाला. नाईक जोंधळेंना पाचशे एकर जमीन जहागिरी म्हणून दिली. त्यांना कदमबांडे यांच्या हालचाली टिपण्यासाठी जहागिरी दिली. त्यांनीसुद्धा गावाच्या जडणघडणीत भर टाकलेली होती. त्यांचासुद्धा पेशवाई धाटणीचा सुंदर मोठा वाडा येथे होता. ज्यातून इथं न्यायनिवाडा होत असे. कदमबांडे व जोंधळे यांच्या काळात इथं मोठा व्यापारी वर्ग आणला गेला.

**अळकुटी गावचा सरदार कदमबांडे यांचा वाडा :**

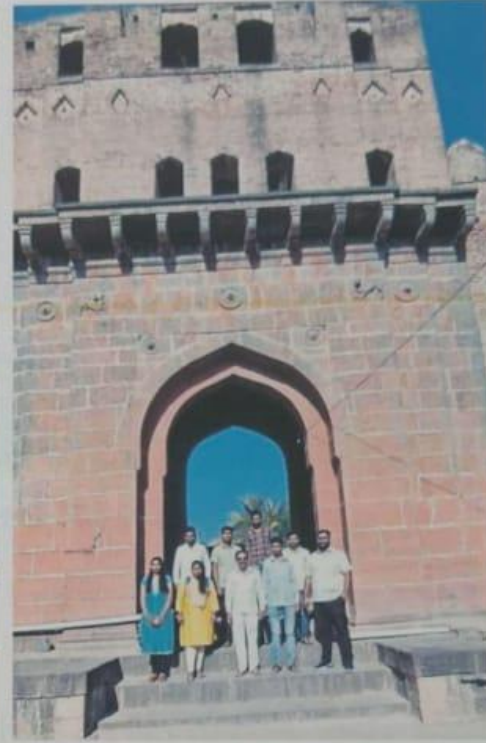
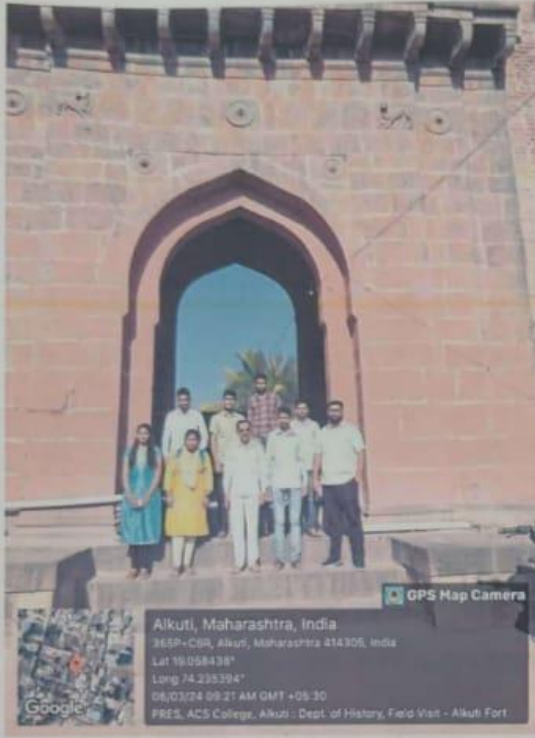


(अळकुटी गावचा सरदार कदमबांडे पाटील यांचा वाडा)



(अळकुटी गावचा सरदार कदमबांडे पाटील वाड्यास क्षेत्रभेट देताना प्रा.अर्जुन चाटे, प्रा.विशाल रोकडे व विद्यार्थी)

अहमदनगर जिल्ह्यातील पारनेर तालुक्यात अळकुटी गावी सरदार कदमबांडे पाटील यांचा ऐतिहासिक भुईकोट गढीचा वाडा उभा आहे. सरदार कृष्णाजी कदमबांडे व व्यंकोजी कदमबांडे हे शहाजीराजांच्या कारकिर्दीत निजामशाहीतील मातब्बर सरदार होते. ते दोघे निजामशाहीचा अस्त झाल्यावर मोगल सत्तेकडून अळकुटी गावी जहागीरदार म्हणून कारभार पाहू लागले. त्यांनी साधारणतः अठराव्या शतकात अळकुटी या गावी चार एकरांवर देखणा आणि मजबूत गढीचा वाडा बांधला.



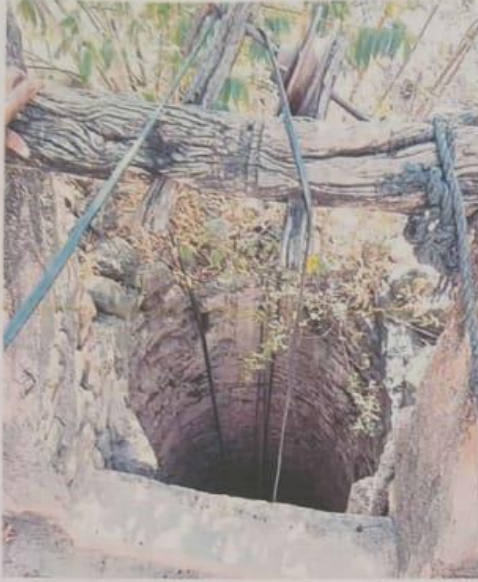
(भुईकोटाचे भव्य प्रवेशद्वार)

त्या भुईकोटाचे प्रवेशद्वार भव्य असून ते पूर्वाभिमुख आहे. दरवाजाच्या कमानीवर कमळपुष्पे कोरलेली आहेत. दरवाजावर विटांनी केलेल्या बांधकामाची सुंदर दुमजली इमारत आहे. प्रवेशद्वाराला जोडून असलेली तटबंदीची भिंत तत्कालीन स्थापत्यशास्त्राचा उत्कृष्ट नमुना आहे. तिचा खालचा भाग मजबूत घडीव दगडांचा असून वरचा भाग उत्तम रेखीव विटांनी युक्त आहे. तटबंदी तीन मीटर रुंदीची असून त्यास चुन्याचा स्लॅब आहे. तटबंदीतील चारही बुरुज घडीव दगड व रेखीव वीटकामामुळे आजही नवीन बांधकामासारखे नजरेत भरतात. तटबंदी त्यावरून एखादे वाहन सहज जाऊ शकेल इतकी मजबूत आहे. तटबंदीत अनेक जंग्या (तटबंदीला असलेली छिद्रे. त्यातून बंदुकीने शत्रूंवर मारा करण्यात येत असे.) आजही सुस्थितीत असलेल्या पाहण्यास मिळतात.



(वाड्याच्या आतील पश्चिमेकडील बुरुजद्वार)

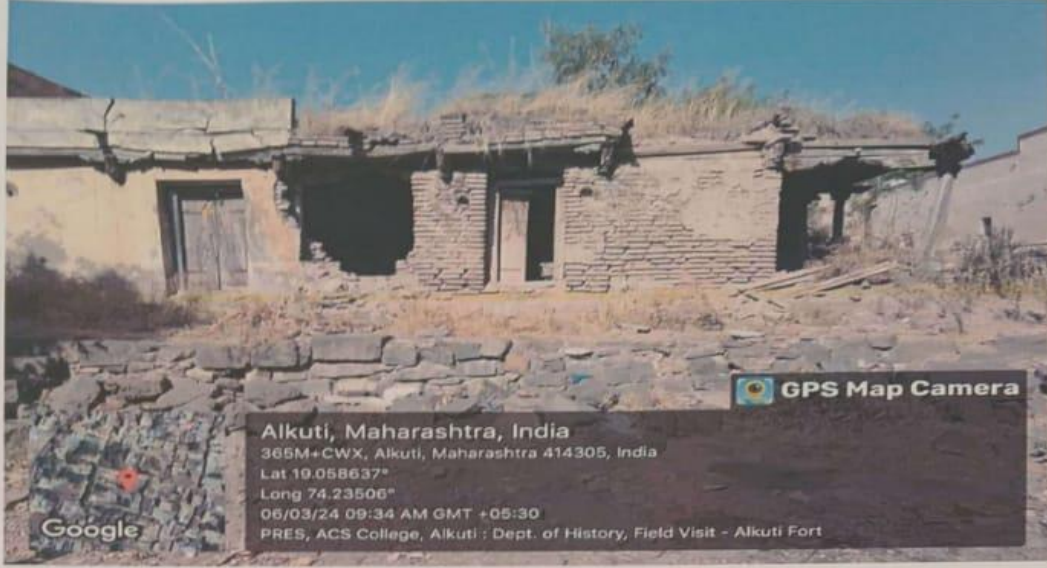
वाड्याच्या भव्य दरवाजातून प्रवेश केल्यावर दोन्ही बाजूंस दोन प्रशस्त अशा ढेलजा आहेत. मुख्य दरवाजा मात्र आज दिसत नाही. प्रवेशद्वाराचे बांधकाम लाल रंगाच्या दगडांनी केल्यामुळे ते आकर्षक दिसते. प्रवेशद्वारावरील दोन्ही मजल्यांच्या खिडक्यांना मोगली पद्धतीच्या जाळ्या आहेत. प्रवेशद्वाराच्या भिंतीवर रूडभिरूड हे शिल्प असून; दुसरे, एक वाघ व त्याच्या पायात हत्ती असे चित्र कोरले आहे. आत प्रवेश केल्यावर चौसोपी वाड्याच्या भक्कम जोती दिसतात. समोरच्या जोत्यावर एक सोपा आजही तग धरून उभा आहे. त्याच्या तुळ्यांच्या बाहेरील भागावरील कलाकुसरीचे काम नजरेत भरते. कदमबांडे यांच्या वंशजांचे एक कुटुंब वाड्यात राहते. त्यांच्याकडून वाड्यातील नक्षीकाम असलेले खांब, सिंहासन, मोठमोठी दालने, भुयार अशा वाड्याच्या भुतकाळातील भव्यतेचे वर्णन ऐकण्यास मिळतात. मात्र वाड्याचे ते वैभव कालपरत्वे नष्ट झाले आहे. वाड्यात ३० x २० आकाराचे तळघर आहे. वाड्यास पाणीपुरवठ्यासाठी त्या काळी बांधलेली विहीर आजही उत्तम स्थितीत आहे.



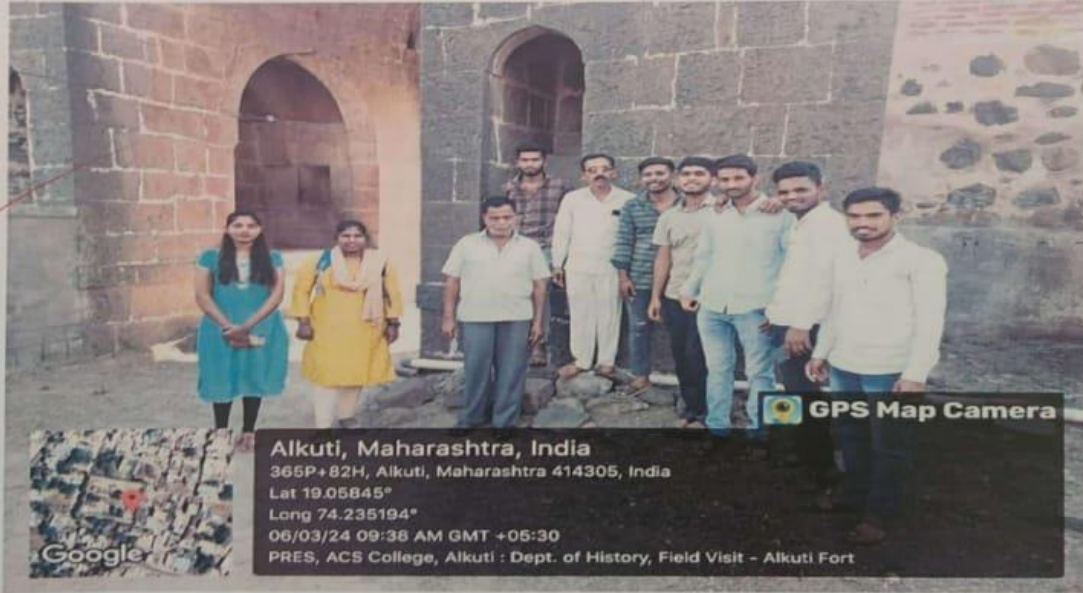
(वाड्यातील पाण्याची विहीर)



(वाड्यात आढळून आलेले उखळ)



(वाड्यातील भग्नावस्थेतील वास्तू)



(कदमबांडे पाटील यांचे वंशज श्री. नानासाहेब कदम बांडे पाटील यांच्या समवेत)



(टेहाळणीचा खोपा)



(वाड्याच्या सुस्थितीतील तटरक्षक भिंती)



(टेहाळणी खोप्याचे छत)



(तटरक्षक भिंतीवरील टेहाळणी पथ)

जुन्या काळी नाणेघाट-जुन्नर-पैठण असा वाहतुकीचा मार्ग होता. अळकुटी हे त्या मार्गावरील गाव होते. त्या भागावर सातवाहन राजे राज्य करत होते. पैठण ही सातवहानांची राजधानी व जुन्नर ही उपराजधानी होती. इसवी सनाच्या दुस-या आणि तिस-या शतकात त्या भागात मोठा व्यापार चाले. अंबरिष ऋषींची तपोभूमी म्हणून त्या गावास पूर्वी 'अमरापूर' असे नाव होते. संत ज्ञानेश्वर व त्यांची भावंडे आळंदीस जाताना अमरापूर येथे थांबल्याचा उल्लेख आढळतो. शहाजीराजांच्या व छत्रपती शिवाजीराजांच्या कारकिर्दीत कदमबांडे हे मातब्बर सरदार होते. इंग्रजांनी त्या घराण्याचा उल्लेख स्वतःस राजे समजणारे, स्वतंत्र सिंहासन, स्वतंत्र ध्वज, घोडदळ, पायदळ बाळगणारे असा केला आहे. छत्रपती शाहुमहाराज औरंगजेबाच्या कैदेतून सुटल्यावर अमृतराव कदमबांडे यांना येऊन मिळाले. त्यानंतर अमृतराव व कांताजी यांनी गुजरात स्वारीतून प्रचंड धन प्राप्त केले. कांताजींच्या घोडदळात मल्हारराव होळकर होते. ते पुढे मोठे सरदार झाले. बाजीराव पेशव्यांच्या कारकिर्दीत कांताजीरावांनी गुजरात मोहिमेत पराक्रम गाजवला. त्यावेळी त्यांना धुळे, रनाळा, कोपली, तोरखेळ हा भाग जहागिरी म्हणून मिळाला. शाहुराजांनी कांताजीपुत्र मल्हारराव यांच्यासोबत त्यांची कन्या गजराबाई हिचे लग्न लावून दिले आणि भोसले-कदमबांडे यांची सोयरीक झाली. त्यांनी अळकुटी येथील वाड्याच्या तळघरात त्र्यंबकेश्वराहून आणलेल्या शिवलिंगाची स्थापना केली. मल्हारराव तोरखेड येथे स्थायिक झाले. रघोजीरावांचा दुसरा पुत्र कमळाजी हा मात्र अळकुटी येथे राहिला. त्याने खड्याच्या लढाईत पराक्रम केला.

कमळाजीने इसवी सन १७५० मध्ये वाड्याजवळच सुंदर शिवमंदिर बांधले. ते आजही पाहता येते. मंदिरातील शिलालेख पुढीलप्रमाणे आहे -



(मंदिरातील शिलालेख)

“श्री सविचरणी दृढभाव कमळाजी

सुत रघोजी कदमराव

पाटील

मोकादम मौजे अमरापूर

ऊर्फ आवळकंठी

प्रगणे कडे सरकार जुन्नर

शके १६७२

श्री मुख नाम संवत्सरे

मार्गशीर्ष शुक्ल प्रतिपदा”

अळकुटी गावास उत्तर व दक्षिण भागात दोन वेशी असून त्याला जोडून पूर्वी तटबंदी व आठ बुरूज होते. मुक्ताई हे त्या गावचे ग्रामदैवत असून तेथे नवरात्रौत्सव साजरा केला जातो.

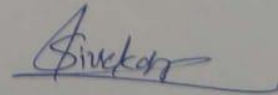
### समारोप :

अळकुटी गावास ऐतिहासिक वारसा लाभलेला आहे. अळकुटी गावात आजही अनेक वास्तू इतिहासाची साक्ष देत सुस्थितीत उभ्या आहेत. अळकुटीचा कदमबांडे पाटलांचा वाडा, विठ्ठल मंदिर, शिव मंदिर, बारव, जहागीरदार जोंधळेचा वाडा, राम मंदिर, मुक्ताई मंदिर, भैरवनाथ मंदिर, गावास वेढून घेतलेले बारा पीर, चिंचबनमधील शिवमंदिर, पीरबाबा दर्गा आदि ऐतिहासिक स्थळे प्रसिद्ध आहेत. अळकुटी हि मोठी बाजारपेठ म्हणूनही आजूबाजूच्या गावांत प्रसिद्ध आहे. अशा या अळकुटी गावात क्षेत्र भेटीद्वारे निवडक स्थळांचा इतिहास अगदी स्वानुभवातून शिकण्यास मिळाला. म्हणूनच हा क्षेत्र भेटीचा अहवाल बनविताना प्रा. अर्जुन चाटे सर व प्रा. विशाल रोकडे सर यांचे बहुमोल असे मार्गदर्शन लाभले. त्याबद्दल आम्ही सर्व विद्यार्थी त्यांचे ऋणी आहोत. धन्यवाद !

### संदर्भ साधने :

१. रोकडे विशाल रामदास, जुन्नर परगण्यातील अळकुटी गावचा प्रारंभिक इतिहास व ऐतिहासिक सरदार कदमबांडे पाटील घराणे, प्रकाशित लेख, औरंगाबाद, २०१३.
२. मोमीन अशपाक, जुन्नर दर्शन, नाझ प्रकाशन, अळकुटी, २००५.
३. शिलालेख, शिवमंदिर, अळकुटी.
४. संतोष बांडे (वंशज), मुलाखत.

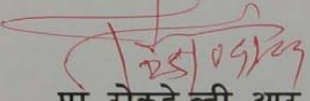
दिवेकर रविशंकर जानदेव



## प्रमाणपत्र

प्रमाणित करण्यात येते कि, दिवेकर स्नेहल ज्ञानदेव हिने तृतीय वर्ष कला वर्गातील इतिहास एस-३ उपयोजित इतिहास (३६१७१) या विषयाअंतर्गत अळकुटी येथील ऐतिहासिक स्थळांना भेट देऊन अंतर्गत मूल्यमापनाकरिता आवश्यक असणारी क्षेत्र भेट यशस्वीरीत्या पूर्ण केली असून त्यांनी सादर केलेला अहवाल पूर्णतः नवा असून त्यांनी स्वतः परिश्रम घेऊन पूर्ण केलेला आहे. तरी त्यांच्या या अहवालाचा स्वीकार करण्यात येत आहे.

अंतर्गत परीक्षक

  
प्रा. रोकडे व्ही. आर.

| Sr.NO | Name of The Students         | Class     | Project Title                       | Remark |
|-------|------------------------------|-----------|-------------------------------------|--------|
| 1     | Khaire Rohan Santosh         | T.Y.B.Com | Function of Bank                    | Submit |
| 2     | Bhosale Ganesh Maruti        | T.Y.B.Com | Function of R.B.I Bank              | Submit |
| 3     | Agre Dattatray Bhausaheb     | T.Y.B.Com | Introduction of Bank                | Submit |
| 4     | Gadge Akansksha Santosh      | T.Y.B.Com | Function of S.B.I Bank              | Submit |
| 5     | Ujaghare Harshal Namdev      | T.Y.B.Com | Commercial Banks                    | Submit |
| 6     | Darekar Pratiksha Jalindar   | T.Y.B.Com | Functions of Cooperative Society    | Submit |
| 7     | Dere Suraj Sambhaji          | T.Y.B.Com | Local Area Banks                    | Submit |
| 8     | Walunj Sushant Kanhu         | T.Y.B.Com | Function of S.B.I Bank              | Submit |
| 9     | Gaykar Sandesh Ranganath     | T.Y.B.Com | Commercial Banks                    | Submit |
| 10    | Khamkar Harshal Ramdas       | T.Y.B.Com | Function of S.B.I Bank              | Submit |
| 11    | Aher Chaitanya Sadanand      | T.Y.B.Com | Commercial Banks                    | Submit |
| 12    | Gadekar Apeksha Sunil        | T.Y.B.Com | Functions of Cooperative Society    | Submit |
| 13    | Date Sarthak Ramdas          | T.Y.B.Com | Local Area Banks                    | Submit |
| 14    | Date Sumeet Balasaheb        | T.Y.B.Com | Function of S.B.I Bank              | Submit |
| 15    | Shelar Sakshi Pandurang      | T.Y.B.Com | Commercial Banks                    | Submit |
| 16    | Aher Pranay Jayram           | T.Y.B.Com | Introduction of Bank                | Submit |
| 17    | Jadhav Shubham vitthal       | T.Y.B.Com | Function of S.B.I Bank              | Submit |
| 18    | Aher Shanta Tukaram          | T.Y.B.Com | Commercial Banks                    | Submit |
| 19    | Gadhave Tushar Narsu         | T.Y.B.Com | Function of S.B.I Bank              | Submit |
| 20    | Shinde Dnyaneshwar Sakharam  | T.Y.B.Com | Commercial Banks                    | Submit |
| 21    | Bangar Sujit Shantaram       | T.Y.B.Com | Functions of Cooperative Society    | Submit |
| 22    | Gadekar Ganesh Jalindar      | T.Y.B.Com | Local Area Banks                    | Submit |
| 23    | Nichit Avinash Santosh       | T.Y.B.Com | Function of S.B.I Bank              | Submit |
| 24    | Aher Prashant Khandu         | T.Y.B.Com | Commercial Banks                    | Submit |
| 25    | Chavan Tushar Sunil          | T.Y.B.Com | Introduction of Bank                | Submit |
| 26    | Aher Sahil Dattatray         | T.Y.B.Com | Introduction of Cooperative Society | Submit |
| 27    | Shirole Pandurang Dashrath   | T.Y.B.Com | Functions of Cooperative Society    | Submit |
| 28    | Gaikawad Prathmesh Arun      | T.Y.B.Com | Function of S.B.I Bank              | Submit |
| 29    | Shirole Rutuja Ashok         | T.Y.B.Com | Commercial Banks                    | Submit |
| 30    | Hadawale Harshad Dnyaneshwar | T.Y.B.Com | Introduction to Cooperative Society | Submit |
| 31    | Chavan Ankita Chandrakant    | T.Y.B.Com | Function of Bank                    | Submit |
| 32    | Gadge Pratik Sunil           | T.Y.B.Com | Function of R.B.I Bank              | Submit |
| 33    | Batwal Sakshi Pandharinath   | T.Y.B.Com | Introduction of Bank                | Submit |
| 34    | Shinde Shubham Sitaram       | T.Y.B.Com | Function of S.B.I Bank              | Submit |

The title card consists of a large blue square containing a smaller orange square. Inside the orange square, the text "Science Project 2023-24" is written in yellow. The entire graphic is centered on a white page with a black border.

Science  
Project  
2023-24

## **Evaluation of Cefixime by using UV & FTIR Spectrophotometer**

### **INTRODUCTION**

Cefixime, sold under the brand name Suprax among others, is an antibiotic medication used to treat a number of bacterial infections. These infections include otitis media, strep throat, pneumonia, urinary tract infections, gonorrhea, and Lyme disease. For gonorrhea typically only one dose is required. In the United States it is a second-line treatment to ceftriaxone for gonorrhea. It is taken by mouth.

### **HISTORY**

Cefixime was patented in 1979 and approved for medical use in the United States in 1989. It is on the World Health Organization's List of Essential Medicines. It is available as a generic medication in the United States.

It was sold under the trade name Suprax 125 in the United States until 2003, when it was taken off the market by drug manufacturer Wyeth after its patent expired. Lupin started selling Suprax in the United States in 2007, and it is available in different formulations and strengths.

### **MEDICAL USES**

Cefixime treats infections of the:

- Urinary tract: Uncomplicated urinary tract infections caused by susceptible isolates of *Escherichia coli* and *Proteus mirabilis*.
- Ear: Otitis media caused by *Haemophilus influenzae*, *Moraxella catarrhalis* and *Streptococcus pyogenes*.
- Throat: Tonsillitis and pharyngitis caused by *Streptococcus pyogenes*.
- Chest and lungs: Chronic bronchitis caused by *Streptococcus pneumoniae* and *Haemophilus influenzae*.
- Cervix and urethra: Gonorrhea (cervical/urethral) caused by susceptible isolates of *Neisseria gonorrhoeae* (penicillinase- and non-penicillinase-producing isolates).
- Skin and soft tissue infection: effective against group A and B beta-hemolytic streptococci. However, *Staphylococcus aureus*, coagulase-negative staphylococci and enterococci are resistant.
- It is also used to treat typhoid fever.

### **CONTRAINDICATIONS**

Cefixime is contraindicated in patients with known sensitivity or allergies to cephalosporin class of antibiotics. As Cefixime is a third generation cephalosporin, it is not contraindicated for patients with a true penicillin allergy.

### **SIDE EFFECTS**

Common side effects include diarrhea, abdominal pain, and nausea. Serious side effects may include allergic reactions and *Clostridium difficile* diarrhea. It is not recommended in people with a history of a severe penicillin allergy. It appears to be relatively safe during pregnancy.

## **ABSTRACT**

The Online Shopping is a web based application intended for online retailers. The main objective of this application is to make it interactive and its ease of use. It would make searching, viewing and selection of a product easier. It contains a sophisticated search engine for user's to search for products specific to their needs. The search engine provides an easy and convenient way to search for products where a user can Search for a product interactively and the search engine would refine the products available based on the user's input. The user can then view the complete specification of each product. They can also view the product reviews and also write their own reviews. The application also provides a drag and drop feature so that a user can add a product to the shopping cart by dragging the item in to the shopping cart. The main emphasis lies in providing a userfriendly search engine for effectively showing the desired results and its drag and drop behavior.



LogicBits

## Completion letter

Logic Bits Systems Pvt. Ltd.

Office: Bhise Building, Near Mahatma Phule School, off MIDC  
Road, Shanti Nagar, Bhosari, Pune - 411039.



### Completion Letter

TO WHOM IT MAY CONCERN

This is to certify that **Mis. Pratiksha Balu Dere** has done his internship in Front End PHP Development at Logic Bits Systems Pvt. Ltd from 01 / 03 / 2024 to 31 / 03 / 2024.

He has worked on a project titled "Web Application for Intra-College Communication System". This project was aimed to launch a theme-based promotion for Web Application products. As part of the project, he designed various banners, and mailers by understanding the design briefs and promo specifications.

During the internship, he demonstrated good design skills with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the project successfully and on time. We wish him all the best in his future endeavors.



Yours Faithfully

Logic Bits System Pvt Ltd, Pune-39

Website:

[www.logicbits.co.in](http://www.logicbits.co.in)

Email [info@logicbits.co.in](mailto:info@logicbits.co.in)

Phone: 77570e4708

  
Principal  
Art's, Commerce & Science College  
Alkuti, Tal. Parner, Dist. Anagar 414305

3 1 Page

### Evaluation of Cefixime by using UV & FTIR Spectrophotometer

It is in the third-generation cephalosporin class of medications. It works by disrupting the bacteria's cell wall resulting in its death.

#### PHARMACOKINETICS DATA

|                       |                               |
|-----------------------|-------------------------------|
| Bioavailability       | 30 to 50%                     |
| Protein Binding       | Approximately 60%             |
| Elimination Half Life | Variable Average 3 to 4 hours |
| Excretion             | Kidney and biliary            |

#### PHARMACOLOGY

The bactericidal action of Cefixime is due to the inhibition of cell wall synthesis. It binds to one of the penicillin binding proteins (PBPs) which inhibits the final transpeptidation step of the peptidoglycan synthesis in the bacterial cell wall, thus inhibiting biosynthesis and arresting cell wall assembly resulting in bacterial cell death.[medical citation needed]

Absorption Only 40–50% is absorbed from the GI tract (oral bioavailability). Absorption may be slowed but not decreased when taken with food. Average peak concentration after administration of oral suspension is approximately 25–50% greater than the peak concentration following oral tablet or capsules administration.

It has high concentrations in bile and urine. It can cross the placenta and its protein binding capacity is 65%.distribution

#### INTERACTION

Cefixime has moderate interactions with the following drugs:

- bazedoxifene/conjugated estrogens,
- dienogest/estradiol valerate,
- estradiol,
- ethinylestradiol,
- levonorgestrel oral/ethinylestradiol/ferrous bisglycinate,
- probenecid,
- sodium picosulfate/magnesium oxide/anhydrous citric acid,
- voclosporin

#### SOCIETY AND CULTURE

Cefixime is marketed under many brand names worldwide; examples include cefex, cefix-200, crinux-100, pancef, caricef, Taxim o, Texit, Ofex, Ceftid, Cef-3, Denvar, 3-C, Cefim, Magnett, Oroken, Ofiken, Fix-A, and Zifi. In India it is marketed as Zifi 200.

- Initiated the checkout process implementation, including address validation and preliminary integration of the payment gateway.
- 5. Testing and Quality Assurance Highlights:**
- Conducted comprehensive unit testing for backend APIs using the Jest framework, ensuring the reliability and accuracy of API responses.
  - Performed thorough manual testing of frontend components to validate functionality and responsiveness across various devices.
  - Addressed multiple bugs and issues identified during testing, ensuring a smoother user experience.

#### Plans for Next Week

As we look forward to the upcoming week, our focus will be on advancing key aspects of the Online Shopping project. Here are the detailed plans for the next week:

- **Payment Gateway Integration:**
  - Complete the integration of the payment gateway to enable seamless transactions for users.
  - Conduct thorough testing of the payment process to ensure reliability and security.
  - Address any issues or discrepancies that may arise during testing promptly.
- **User Review Functionality:**
  - Begin implementation of user review functionality to allow customers to provide feedback on purchased books.
  - Design the user interface for submitting reviews and displaying them on book pages.
  - Develop backend logic to store and retrieve user reviews from the database.
- **Security Enhancements:**
  - Implement CSRF protection to mitigate the risk of cross-site request forgery attacks.
  - Strengthen input validation mechanisms to prevent injection attacks and ensure data integrity.
  - Conduct security audits to identify and address any potential vulnerabilities proactively.
- **Seller Profiles and Inventory Management:**

Weekly Project Status Report  
Logic Bits System Pvt.Ltd  
Week Ending: <3.08, 2024>

Prepared By: Pratiksha Balu Dere.

Date Prepared: 22-03-2024 to 25-04-2024

Accomplishments this Week

This week marked significant progress in various aspects of the Online Shopping project:

**1. Frontend Development Achievements:**

- Completed the implementation of the user interface for the homepage, ensuring a visually appealing and intuitive design.
- Finalized the integration of search functionality, enabling users to easily find books by title, author, or category.
- Achieved responsiveness across different devices by fine-tuning CSS styles and layouts.

**2. Backend Development Milestones:**

- Successfully implemented the user authentication system using JWT, enhancing the security of user login and registration processes.
- Developed robust APIs for retrieving book data from the database, ensuring efficient data retrieval and seamless user experience.
- Implemented essential error-handling mechanisms and input validation to improve system reliability.

**3. Database Management Progress:**

- Designed and finalized the database schema, incorporating necessary tables and relationships to store book details, user information, and order history.
- Completed the setup of database tables using MySQL, laying the foundation for efficient data management and retrieval.
- Implemented CRUD operations for managing book data, allowing for seamless interaction with the database.

**4. Cart and Checkout Functionality Advancements:**

- Made significant strides in developing the backend logic for the cart functionality, enabling users to add and remove items from their cart seamlessly.

## INDEX

| Sr. No. | Contents                                      | Page No. |
|---------|-----------------------------------------------|----------|
| 1       | Introduction                                  | 1        |
| 2       | Drug monograph                                | 4        |
| 3       | Literature Review                             | 7        |
| 4       | Market Review                                 | 9        |
| 5       | Aim and Objective                             | 11       |
| 6       | Analysis of Cefixime using UV Spectroscopy    | 12       |
| 7       | Analysis of Cefixime using FT-IR Spectroscopy | 20       |
| 8       | Results                                       | 28       |
| 9       | Conclusion                                    | 29       |
| 10      | References                                    | 30       |

## 1. Introduction

### 1.1 Goal

Shopping has long been considered a recreational activity by many. Shopping online is no exception. The goal of this application is to develop a web based interface for online retailers. The system would be easy to use and hence make the shopping experience pleasant for the users. The goal of this application is

- To develop an easy to use web based interface where users can search for products, view a complete description of the products and order the products.

- A search engine that provides an easy and convenient way to search for products specific to their needs. The search engine would list a set of products based on the search term and the user can further filter the list based on various parameters.

- An AJAX enabled website with the latest AJAX controls giving attractive and interactive look to the web pages and prevents the annoying post backs.

- Drag and Drop feature which would allow the users to add a product to or remove a product from the shopping cart by dragging the product in to the shopping cart or out of the shopping cart.

- A user can view the complete specification of the product along with various images and also view the customer reviews of the product. They can also write their own reviews.



### DECLARATION BY CANDIDATE

I, the under signed student of M.Sc I (Organic) Sem II, of Arts Commerce And Science College Alkuti, hereby declare that the project work entitled "**Evaluation of Cefixime by using UV & FTIR Spectrophotometer**" has been carried out by me under the supervision and guidance of Mrs. Rajani Mudkavi Director of the SHODH ADVANTECH, LLP, (Chh. Sambhajinagar) Aurangabad during 2023-24.

Date:

Place: Chh. Sambhajinagar

Mr. Tushar Chhaban Chaudhari