

**Maharaja Sayajirao Gaikwad Arts, Science and Commerce College,  
Malegaon-Camp Malegaon (Nashik) 423105**

**Department of Economics**

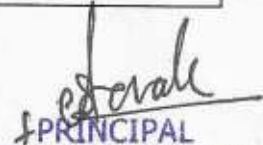
For the academic year 2023-24, the following students of MA Part II have completed a research report of 100 marks under our guidance on "Research Methodology – Report".

Sr. No.	Name of the Research Guide	Name of the Research Students
01	<b>Dr. B. M. Sonawane</b>	Shelar Nitin Anna
02		Vadnere Divya Dattatraya
03		Shelar Nilesh Chandrabhan
04		Khonde Hemant Sudhir
05		Kuwar Sujata Bhaskar
06		Wagh Samiksha Subhas
07		Nikam Aarti Sanjay
08		Wani Aakanksha Bhavesh
09		Yadav Oawankumar Hirdairam
10		Sonawane Amol Suresh
11		Kumavat Sonu Sanjay
12		Aaftab Aalam Momin R.
13	<b>Dr. D. N. Sonawane</b>	Wagh Ravindra Dashrath
14		Gumade Samadhan Babu
15		Dange Soni Anil
16		Pawar Vaishali Vijay
17		Deore Kamini Shashikant
18		Kannor Dattu Jagannath
19		Suryawanshi Gaurav Dhanraj
20		Aahire Roshan Shantaram
21		Bhati Vaishnavi Ranjeet
22		Pawar Sachin Bijunath
23	<b>Dr. R. K. Jadhav</b>	Pawar Jayshri Sanjay
24		Gaikwad Chandan Bhaskar
25		Aahire Kranti Babulal
26		Aahire Vaishnavi Aambadas
27		Aahire Vaishnavi Aambadas
28		Aahire Madhuri Sanjay
29		Shelar Rahul Anna
30		Kuvar Dnyandev Subhash
31		Gaikwad Kamlesh Dharmendra
32		Shinde Sachin Uttam



**Head**

Dept. of Economics  
M S.G. College, Malegaon Camp



**PRINCIPAL**

M.S.G. Arts, Science & Commerce  
College, Malegaon Camp (Nashik)



**M.S.G arts science & commerce college**

**MALEGAON CAMP**

**Department of Urdu/Persian**

**RESEARCH PROJECT**

**2023-24**

**SUBJECT**  
**CRITICAL STUDY OF**  
**DECCANI LITERATURE**  
**PAPER-VIII**

**SUBJECT**  
**CRITICAL STUDY OF**  
**DECCANI LITERATURE**

**NAME : YASMEEN BANO ANEES AHMAD**

**ROLL NO : 32**

**CLASS : M.A. II (SEM - IV)**

**GUIDE**

**PROF. SHAZIYA NAUSHEEN**



# CERTIFICATE

This is to Certify that Miss.

**YASMEEN BANO ANEES AHMAD**

M.A II Sem. IV Urdu / Persian has completed her research articles entitle.

**CRITICAL STUDY OF DECCANI LITERATURE**

In M.S.G College Malegaon Camp Nashik under the Supervision of the undersigned the research work is satisfactory

Principal

HoD

Dr. Sajid Ansari

Guide

Prof. Shaziya Nausheen

## اظہار تشکر

اللہ کے نام سے شروع جو بڑا مہربان اور نہایت رحم والا ہے کہ جس کی رحم و کرم کے صدقے میں انسان کے اچھے کاموں کی تکمیل ہوتی ہے۔

میں ساوتری بائی پھلے پونے یونیورسٹی کی بے حد مشکور ہوں جس نے نصاب کو اس طرح ترتیب دیا کہ طلباء کو تحقیقی مقالہ کی تیاری میں عملی تجربہ حاصل ہو اور پرنسپل ایم۔ ایس۔ جی کالج کی بے حد ممنون ہوں جن کی رہنمائی مکمل طور سے ہمارے ساتھ رہی۔ اس کے ساتھ ساتھ اس مقالے کی تیاری میں ڈاکٹر ساجد انصاری (صدر شعبہ اردو/فارسی)، ڈاکٹر شاہ ایاز احمد، ڈاکٹر شاہینہ پروین صدیقی کی، پروفیسر ثمرین میڈم اور پروفیسر شازیہ نوشین میڈم کی بے حد مشکور ہوں۔ جنہوں نے قدم قدم پر اپنے قیمتی مشوروں سے نوازا اور مقالہ تکمیل کو پہنچانے میں اس موقع پر لائبریری اسٹاف کا شکریہ ادا کرنا ضروری سمجھتی ہوں جنہوں نے بوقت ضرورت ہمیں سنا ہیں فراہم کیں اور مکمل تعاون کیا نیز میں اپنے تمام ہی ہم جماعت ساتھیوں، عزیزوں اور کمپیوٹر آپریٹر کا بھی تہہ دل سے شکریہ ادا کرتی ہوں جن کے تعاون اور نیک خواہشات کی بدولت یہ تحقیقی کام بہ حسن خوبی انجام پایا۔

شکریہ

یاسمین بانو

## تاریخ اردو ادب

صوفیا کی تحریک کا ایک خاص پہلو موسیقی سے رغبت بھی ہے۔ ہندوستان کے سلسلہ چشت نے سماع کو بڑی اہمیت دی۔ لہذا صوفیانے خصوصی طور پر ایسی شاعری تخلیق کی جو با آسانی گائی جاسکے۔ اس عہد میں مقبول ترین صنف سخن ”دوہا“ نظر آتی ہے۔ صوفیانے ”خیال“، ”شہد“ اور ”شکوہ“ کی حالات کے لئے بھی موزوں الفاظ کے شعری پیکر مہیا کئے اور بعض مخصوص راگوں کو ملحوظ رکھ کر بھی اشعار کہے۔ اس سے یہ نتیجہ اخذ کیا جاسکتا ہے کہ صوفیانے بالواسطہ طور پر گیت کے صنف کو فروغ دیا۔ اور فکری سطح پر خدا کی وحدانیت کو اپنا موضوع بنایا، مساوات انسانی اور عالمگیر اخوت کے بنیادی پیغام کو عام کرنے میں ان گیتوں کی کافی اہمیت ہے۔ ان گیتوں نے ہندوستانی ساج کو تہذیبی اور مذہبی دونوں حوالوں سے متاثر کیا اور یوں ہندوستان میں نسلی، لسانی مذہبی اور تہذیبی اختلافات کو کم کرنے میں مدد ملی۔ بقول ڈاکٹر سلیم اختر:

”امیر خسرو کے حالات زندگی میں دربار، شاعری، موسیقی اور تصوف تکمیلی عناصر کی مانند نظر آتے ہیں یعنی یہ چار عناصر ہوں تو بنتا ہے امیر خسرو“

امیر خسرو فارسی نظم و نثر پر دستگاہ کامل رکھتے تھے۔ عربی، سنسکرت اور بھاشا سے واقفیت تھی۔ باعمل صوفی تھے۔ موسیقی میں خاص مہارت رکھتے تھے۔ اسی مہارت کی بنا پر انہیں ناک۔ کے لقب سے نوازا گیا۔ انہیں فن موسیقی کا امام بھی تسلیم کیا جاتا ہے اور شاعری کے وسیلے سے ”طوطی ہند“ بھی قرار دیا جاتا ہے۔ رام بابو سکینہ اردو کا سب سے پہلا شاعر امیر خسرو دہلوی کو قرار دیتے ہوئے تحریر کرتے ہیں:

”زبان اردو کی ترقی کا ابتدائی زمانہ اتنا دھندلا نظر آتا ہے کہ اس کے خدو خال صاف طور پر نمایاں نہیں مگر اس میں کوئی شک نہیں کہ سب سے پہلا شاعر زبان اردو کا اس دھندلے میں جو صاف طور پر نمایاں نظر آتا ہے وہ حضرت امیر خسرو دہلوی ہیں جن کی شہرت بحیثیت ایک فارسی شاعر کے کسی تعریف و توصیف کی محتاج

## ☆ ذاتی رائے

کوئی بھی زبان جس کسی علاقہ میں پھلتی پھولتی ہے تو ابتدائی طور پر وہ بولی کی حیثیت سے فروغ پاتی ہے۔ جب اس میں تحریری نمونے پیدا ہوتے ہیں تو اس زبان کا ادب پروان چڑھتا ہے۔ دکن کے علاقہ میں مسلمانوں کی آمد کی وجہ سے ایک نئی زبان پیدا ہوئی، جو ہندوستان کے مقامی باشندوں اور بیرونی علاقوں سے آئے ہوئے مسلمانوں کے آپسی اتحاد کا نتیجہ تھی۔ دکن کے علاقہ میں اس زبان کو دکنی کے نام سے یاد کیا گیا۔

## حوالہ جاتی کتب

- (۱) تاریخ ادب اردو نور الحسن نقوی
- (۲) اردو ادب کی مختصر ترین تاریخ ڈاکٹر سلیم اختر

**M.S.G Arts, Science & Commerce  
College, Malegaon Camp**

2023-2024

*Research Project*

**Name** : MUNZERA FIRDAUS IQBAL AHMED

**Roll No** : 15

**Class** : M.A (URDU)- PART II SEM IV<sup>TH</sup>

**Subject** : History of Literary Urdu Criticism  
(Paper VII) 40703

**Topic** : **ADAB MAIN TAHEQEEQ KI AHMIYAT**

**Guide**

**Prof. Shaziya Naushin Mam**

# CERTIFICATE

OF APPRECIATION

THE FOLLOWING AWARD IS GIVEN TO

**MUNZERA FIRDAUS IQBAL AHMED**


M. A II Sem. paper VII urdu has Complete her research articales  
Entitle

**ADAB MAIN TAHEQEEQ KI AHMIYAT**


in M.S.G. College (Camp) Nashik under the Supervision of the  
undersigned the research work is satisfactory.



Signature  
Principal



Signature  
HOD



Prof. Shazil  
Signature  
Project Guide



## اظہار تشکر

شروع اللہ کے نام سے جو بڑا مہربان اور نہایت رحم کرنے والا ہے جس کے رحم و کرم کے صدقے میں انسان اپنے کاموں کی تکمیل کرتا ہے۔

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شکریہ!

منذرہ فردوس اقبال احمد

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## حوالہ جاتی کتب :-

اردو تنقید کا ارتقا : ڈاکٹر عبادت بریلوی

اصول تحقیق : ڈاکٹر سلطانہ بخش

تحقیق کا فن : گیان چند

M.S.G ARTS, SCIENCE &  
COMMERCE COLLEGE,  
MALEGAON CAMP 2023-2024

## RESEARCH PROJECT

**Sk Ahmad Sk Usman**

ROLL NO : 27

CLASS : M.A (URDU)- PART II  
SEM IVTH

SUBJECT : HISTORY OF LITERARY  
CRITICISM (PAPER VII)

TOPIC : URDU TAZKERON KI  
TANQEEDI AHMIYAT

GUIDE

PROF. SHAZEEYA NAUSHIN MAM

# Certificate

OF APPRECIATION

PROUDLY PRESENTED TO

**SK AHMAD SK USMAN**

M. A II Sem. IV Urdu/Persian has completed her research articles entitle.

## **URDU TAZKERON KI TANQEEDI AHMIYAT**

M.S.G. College (Camp) Nashik under the Supervision of the undersigned the research work is satisfactory.



SIGNATURE  
PRINCIPAL



SIGNATURE H. O. D



Prof. Shaziya  
PROJECT GUIDE



PLACE: MALEGAON

## اظہار تشکر

شروع اللہ کے نام سے جو بڑا مہربان اور نہایت رحم کرنے والا ہے جس کے رحم و کرم کے صدقے میں انسان اچھے کاموں کی تکمیل کرتا ہے۔

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شکریہ!

شیخ احمد شیخ عثمان

## فہرست

صفحہ نمبر	عنوان	نمبر
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## اُردو تذکرے کی تعریف

شعراے اردو کے تذکرے ادبی تاریخ کو مرتب کرنے میں بے حد معاون ثابت ہوتے ہیں۔ زبان کی ادبی تاریخ جاننے کے لیے تذکروں کا مطالعہ کرنا ناگزیر ہے۔ تذکرہ نگاری کا فن عرب سے شروع ہوا اور ایران پہنچا۔ بھارت میں بھی اس روایت کی پاس داری میں تذکرے لکھے گئے۔ ابتدائی زمانے میں فارسی درباروں کی زبان تھی اور علمی کاموں کے لیے بھی اسی زبان کا استعمال ہوتا تھا۔ اسی لیے اردو شعراء کے تذکرے فارسی میں تحریر کیے گئے۔ اردو شعرا کے تذکروں میں اب تک کی تحقیق کے مطابق میر کو اولیت حاصل ہے، جنہوں نے ”نکات الشعرا“ تحریر کیا۔

”فارسی زبان میں لفظ تذکرہ کا استعمال (آئندہ راج کے مطابق) یادداشت، یاد کرنا اور نصیحت کرنا کے لئے ہوتا ہے۔ فرہنگ نظامی کے مطابق تاریخ کی ایسی کتاب جس میں شعراء کے احوال و اذکار مذکور ہوں تذکرہ کہلاتی ہے۔ فرہنگ نظامی ناظم الاطباء کے مطابق تذکرہ یادگار، یادداشت اور سفرنامہ کو کہتے ہیں اور ایک ایسی کتاب کو کہتے ہیں جس میں شعراء کے حالات زندگی لکھے ہوں۔“۔۔۔۔ ”تذکرہ نویسی فارسی در ہند و پاکستان۔“ 1968ء: ڈاکٹر علی رضا نقوی: مطبع: مسۃ مطبوعاتی علمی چاپ علی اکبر علمی تہران، ص: 2۔“

لفظ تذکرہ عربی زبان کے لفظ ذکر سے ماخوذ ہے جس کے معنی یاد کرنا، یاد آنا، یاد دلانا اور تذکرہ کے معنی یاد دہانی اور سرگذشت کے ہیں، لیکن اصطلاح میں اس لفظ کا استعمال ایک ایسی کتاب کے لئے ہوتا ہے جس میں اشخاص کے احوال و آثار کا ذکر کیا گیا ہو۔ صفوی دور سے پہلے ”تذکرہ دولت شاہ“ کے علاوہ تمام فارسی ادب کی کتابوں میں تذکرہ لفظ کا استعمال ”یادگار“ ”یادداشت“ اور ماضی کے کاموں کو یاد کرنے کے معنی کے لئے ہوتا تھا، لیکن رفتہ رفتہ صفوی دور میں ہی اس لفظ کا استعمال ایک ایسی کتاب کے لئے کیا جانے لگا جس میں شعراء کے مختصر احوال اور انکے اشعار مذکور ہوں۔

## حوالہ جات

شعرا نے اردو کے تذکرے : ڈاکٹر سید عبداللہ

اردو تذکرہ نگاری : رئیس احمد

[https://mazameen.com/%D8%AA%D8%B0%DA%A9%D8%81-](https://mazameen.com/%D8%AA%D8%B0%DA%A9%D8%81%D8%A7%D9%88%D8%B1-%D8%A7%D9%88%D8%A7%DB%8C%D8%AA)

[B1%DB%81%D8%8C-](https://mazameen.com/%D8%AA%D8%B0%DA%A9%D8%81-%D8%A7%D9%88%D8%B1-%D8%A7%D9%88%D8%A7%DB%8C%D8%AA)

[%D8%AA%D8%B9%D8%A7%D8%B1%D9%81-](https://mazameen.com/%D8%AA%D8%B0%DA%A9%D8%81-%D8%A7%D9%88%D8%B1-%D8%A7%D9%88%D8%A7%DB%8C%D8%AA)

[%D8%A7%D9%88%D8%B1-](https://mazameen.com/%D8%AA%D8%B0%DA%A9%D8%81-%D8%A7%D9%88%D8%B1-%D8%A7%D9%88%D8%A7%DB%8C%D8%AA)

[/%D8%B1%D9%88%D8%A7%DB%8C%D8%AA](https://mazameen.com/%D8%AA%D8%B0%DA%A9%D8%81-%D8%A7%D9%88%D8%B1-%D8%A7%D9%88%D8%A7%DB%8C%D8%AA)

<https://nyazamana.com/2018/04/literary-criticism/>

**M.S.G. ARTS, SCIENCE & COMMERCE  
COLLEGE MALEGAON CAMP**

**2023-2024**

**RESEARCH PROJECT -**

**Name:**

**SAMREEN SADAF FAYYAZ AHMED**

**Roll No.: 22**

**Class M. A. Urdu Semester IV- Part II**

**Subject:**

**Critical Study of Deccani Literature (Deccani  
Masnavi) (Paper- VIII)**

**Topic:**

**Gawasi Ke Halat-e-Zindagi**

**Guide PROF.**

**Prof. Shaziya Nausheen**

# Certificate

*This is to Certify that Ms.*

**SAMREEN SADAF FAYYAZ AHMED**

*M.A II Sem. IV Urdu/Persian has completed her research articles entitle*

**Gawasi Ke Halat-e-Zindagi** *in M.S.G. College (Camp) Nashik under the Supervision of the undersigned the research work is satisfactory.*

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Signature

*[Signature]*  
Signature

*[Signature]*  
Signature

**Principal** **ESTABLISHED - 1952** **H. O. D** **Project Guide**

*Place: Malegaon*

*Date:*

## اظہار تشکر

شروع اللہ کے نام سے جو نہایت رحم والا ہے کہ جس کی رحمت و کرم کے صدقہ میں انسان کے اچھے کاموں کی تشکیل ہوتی ہے۔

میں ایس پی پونے یونیورسٹی کی بے حد مشکور ہوں جس نے نصاب کو اس طرح ترتیب دیا کہ طلباء میں تحقیق مقالہ کی تیار میں عملی تجربہ حاصل ہو اور پرنسپل ایم ایس جی کالج کی ہے حدامنون ہوں جن کی رہنمائی مکمل طور سے ہمارے ساتھ رہی۔ اس کے ساتھ ساتھ اس مقالہ کی تیاری میں ڈاکٹر ساجد انصاری (صدر شعبہ اردو قاری)، ڈاکٹر شاہ ایاز احمد اور پروفیسر شاہینہ پروین صدیقی کی اور اسکے ساتھ ساتھ پروفیسر ثمرین میڈم اور پروفیسر شانیاہ نوشین میڈم کی بے حد مشکور ہوں۔ جنہوں نے قدم قدم پر اپنے قیمتی مشوروں سے نوازہ اور مقالہ تکمیل کو پہنچا۔ میں اس موقع پر لائبریری اسٹاف کا شکریہ ادا کرنا ضروری سمجھتی ہوں جنہوں نے بوقت ضرورت ہمیں کتابیں فراہم کیں اور مکمل تعاون کیا نیز میں اپنے تمام ہی ہم جماعت ساتھیوں، عزیزوں اور کمپیوٹر آپریٹر کا بھی تہ دل سے شکریہ ادا کرتی ہوں جن کے تعاون اور نیک خواہشات کی بدولت تحقیقی کام بہ حسن خوبی انجام پایا۔

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## غواصی کے حالات زندگی

### غواصی کا تعارف

ملک الشعراء ابو محمد غواصی قطب شاہی دور ایک عظیم المرتبت سخن ور ہے۔ اس شہرت اور نام وری کا یہ عالم ہے کہ میر حسن میر تقی میر اور قائم نے اپنے تذکروں میں غواصی کا ذکر کیا ہے جب کہ دکنی اردو کے دوسرے بلند پایہ شعرا جیسے محمد قلی قطب شاہ ملک الشعراء و جلی ابن نشاطی نصرتی وغیرہ ان تذکروں میں جگہ نہ پاسکے لیکن اس کے باوجود اس کے واقعات حیات پر تاریکی کا پردہ اڑا ہوا ہے۔ اس کا پورا نام سنہ ولادت تعلیم و تربیت عمر، سنہ وفات اور خاص طور پر آخری زمانہ کے حالات کا کچھ پتہ نہیں چلتا۔ البتہ درمیانی زندگی بارے میں کچھ واضح نقوش ضرور مل جاتے ہیں۔

## ذاتی رائے

میری اپنی رائے کہ مطابق-----

درج بالا عملی کام کو مکمل کرنے سے یہ بات سامنے آئی کہ سرزمینِ دکن میں بہت سارے شعرا کرام گزرے ہیں لیکن غواصی کو ایک اہم مقام حاصل ہے غواصی کو گو ٹکنڈہ کا شاعر قرار دیا گیا۔ مثنوی نگاری میں غواصی کا کوئی ثانی نہیں جو کہ ان کے مقام و مرتبہ کے لحاظ سے بالکل صحیح ہے۔

## حوالہ کتب

غواصی کے حالات زندگی  
ریختہ وار دو و کیپیڈیا



M.S.G. Arts, Science &  
Commerce College, (Malegaon Camp)

Department of Urdu/Persian

Research Project

2023-24

Name

*Juveriya Bano Shahid  
Lateef*

Roll No.

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Subject

History of Urdu Literature  
From 1857 To 1990

Class

M.A. Part II (Urdu) Sem-IV

Topic

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Guide

Prof. Samreen Madam

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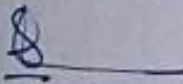
This is to certify that Mr/Miss

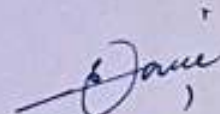
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Malegaon (Camp) Nashik under the supervision of  
the undersigned the research work is satisfactory.

  
Principal

  
H.O.D.

  
Guide

Date :

Place :

# اظہارِ شکر

اللہ کے نام سے شروع جو بڑا مہربان اور نہایت رحم والا ہے کہ جس کی رحمت و کرم کے صدقے میں انسان کے اچھے کاموں کی تشکیل ہوتی ہے۔

میں ایس پی پونے یونیورسٹی کی بے حد شکر گزار ہوں جس نے نصاب کو اس طرح ترتیب دیا کہ طلباء کو تحقیقی مقالے کی تیاری میں عملی تجربہ حاصل ہو۔ اور پرنسپل ایم ایس جی کالج کی بے حد ممنون ہوں جن کی رہنمائی مکمل طور سے ہمارے ساتھ رہی، اس کے ساتھ ساتھ

اس مقالے کی تیاری میں ڈاکٹر ساجد انصاری (صدر شعبہ اردو فارسی)، ڈاکٹر شاہ ایاز احمد، ڈاکٹر شاہینہ صدیقی، پروفیسر شمیرین میڈم اور پروفیسر شازیہ نوشین کی بے حد ممنون ہوں، جنہوں نے قدم قدم پر اپنے قیمتی مشوروں سے نوازا اور مقالہ تکمیل کو پہنچا۔ میں اس موقع پر لائبریری اسٹاف کا شکریہ ادا کرنا ضروری سمجھتی ہوں جنہوں نے بوقت ضرورت ہمیں کتابیں فراہم کیں، اور مکمل تعاون کیا نیز میں اپنے تمام ہی ہم جماعت ساتھیوں، عزیزوں، کمپیوٹر آپریٹر کا بھی تہہ دل سے شکریہ ادا کرتی ہوں جن کے تعاون اور نیک خواہشات کی بدولت یہ تحقیقی کام بہ حسن خوبی انجام پایا۔

شکر ہے

جویریہ بانو شاہد لطیف

## ☆ ناول کی اقسام اور اجزائے ترکیبی ☆

### ناول کے معنی و تعریف

ناول اطالوی زبان کے لفظ ناولا (NOVELLE) سے نکلا ہے۔ ناولا کے معنی ہے نیا۔ لغت کے اعتبار سے ناول کے معنی نادر اور نئی بات کے ہیں لیکن صنف ادب میں اس کی تعریف بنیادی زندگی کے حقائق بیان کرنا ہے ناول کی اگر جامع تعریف کی جائے تو وہ کچھ یوں ہوگی کہ

”ناول ایک نثری قصہ ہے جس میں پوری ایک زندگی بیان کی جاتی ہے۔“

• ناول کی تعریف مختلف نقادوں کی روشنی میں:

۱۔ کلاویوز کے مطابق ---

”ناول اس زمانے کی حقیقی زندگی اور طور طریقوں کی تصویر ہوتی ہے۔ جس میں کہ وہ لکھا گیا ہو۔“

۲۔ جے جے پرٹلے کے مطاب ---:

”ناول بیان نثر ہے جس میں خیالی کرداروں اور واقعات سے سروکار ہوتا ہے۔“

۳۔ اندرائے سرائے کا خیال ہے کہ ---

”حقیقی ناول کبھی رومانی نہیں ہو سکتا اس کے لئے حقائق کو سہارا اور حقیقی سوسائٹی کا پس منظر ضروری ہے۔“

۴۔ ای۔ ایم فاسٹر کا کہنا ہے کہ ---

”ناول ایک خاص طوالت کا نثری قصہ ہے۔“

اسی طرح پروفیسر بیکر نے ناول کے لئے چار شرطیں لازم کر دیں قصہ ہو، نثر میں ہو، زندگی کی تصویر ہو اور اس میں رابطہ و یک رنگی ہو۔ یعنی یہ قصہ صرف نثر میں لکھا نہ گیا ہو بلکہ حقیقت پر مبنی ہو اور کسی خاص مقصد یا نقطہ نظر کو بھی پیش کرتا ہو۔ اسی طرح ناول کے قصہ اور کہانی کی تاریخ اتنی ہی پرانی ہے جتنی انسان کی تاریخ ہوتی ہے۔

ناول زندگی کی مکمل تصویر ہے جس میں زندگی کے مختلف واقعات و حادثات کو دلچسپ پیرائے میں پیش

کیا جاتا ہے دراصل ناول ایک تاریخی اور تہذیبی دستاویز بھی ہے جس میں زندگی کی مسرت و بصیرت اور غم و الم کو پیش کیا جاتا ہے۔

نثری اصناف میں ناول اس وقت دنیا بھر کی زبانوں میں صنفوں میں شمار کی جا سکتی ہے۔ ناول دنیا بھر

کی زبانوں میں لکھے اور پڑھے جاتے ہیں مختلف ادیبوں نے اپنے اپنے طور پر ناول کی ناول کی تعریف متعین کرنے کی کوشش کی ہے۔ لیکن زندگی کی طرح ناول کی بھی کوئی ایسی تعریف ممکن نہیں جیسے مکمل یا قطعی کہا جاسکے۔

اردو زبان میں ناول نگاری کا آغاز انیسویں صدی کے نصف آخر میں ہوا یہ دور وہ تہذیبوں کے تصادم اور کشمکش کا دور

تھا جس پر بڑی شدت کے ساتھ انگریزی ادب کے اثرات بھی پڑ رہے تھے۔ نذیر احمد، رتن ناتھ سرشار، عبدلعلیم شرر، اور مرزا محمد ہادی رسوا اردو کے اہم ترین ناول نگار کہے جاتے ہیں۔

بیسویں صدی میں اردو ناول نے بڑی ترقی کی۔ اس عہد کے ناول نگاروں میں پریم چند، عزیز احمد، حیات اللہ

انصاری، کرشن چندر، عصمت چغتائی، قرۃ العین حیدر، عبداللہ حسین وغیرہ اہم ہیں۔

## ذاتی رائے

ناول، ناول کی اقسام، ناول کے اجزائے ترکیبی یہ میرا موضوع تھا۔ ناول اردو ادب کے اصناف سخن کا ایک نثری حصہ ہے۔ ناول کی تعریف بنیادی زندگی کے حقائق بیان کرنا ہوتا ہے یعنی کہ کسی ایک کی پوری زندگی بیان کی جا رہی ہے ناول نگار جس وقت ناول لکھتا ہے تو کسی انسان کی پوری زندگی کے لمحات، واقعات کو اجاگر کرتا ہے۔ ناول میں انسان کے خیالات، تصورات ہوتے ہیں اور جذبات کی عکاسی ہوتی ہے ناول کی اقسام میں سادہ ناول، عصری، رزمیہ ناول، عشقیہ، جاسوسی، تاریخ، رومانی، عصری، تفریحی اور نفسیاتی ناول وغیرہ ہوتے ہیں۔

ناول نگار یہ ناول لکھتے وقت انسانی زندگی کے ساتھ ساتھ قدرتی ماحول کی بھی

عکاسی کرتا ہے کہیں کہ ناول کو پیچیدہ بنانے کے لئے ماحول کی عکاسی کرنا بے حد ضروری ہوتا ہے اور اس طرح ناول ہونا چاہئے کہ قاری کی آخر تک دلچسپی قائم رہے۔

اسی طرح مختلف نقاد نے ناول نگاری کی ہیں نذیر احمد، رتن ناتھ سرشار، عبدلعلیم شرر، مرزا ہادی رسوا وغیرہ ناول نگار ہیں۔ اس طرح ۲۰ ویں صدی کے اردو ناول نگاروں میں پریم چند، عزیز احمد، حیات اللہ، کشن چندر، عصمت چغتائی، قرۃ العین حیدر، خدیجہ مستور وغیرہ اہم ناول نگار ہیں۔

# M.S.G ARTS SCIENCE & COMMERCE COLLEGE MALEGAON CAMP

## Department of Urdu/Persian **RESEARCH PROJECT** 2023-24



**NAME :** UNAIZA PARVEEN SHAFEEQUE AHMAD  
**ROLL NO :** 30  
**CLASS :** M.A. II (SEM - IV)

**GUIDE**

**PROF. SAMREEN MADAM**

**SUBJECT**  
**HISTORY OF URDU  
LITERATURE FROM  
1857 TO 1990 (PAPER-VI)**

**TOPIC**  
**MIRZA MD. RAFI SAUDA  
KI SHAIRI**



# Certificate

This is to Certify that Mr.

**UNNIZA PARVEEN SHAFEEQUE AHMAD**

M.A II Sem. IV Urdu / Persian has completed her research articles entitle.

**MIRZA MD. RAFI SAUDAKI SHAIRI**

In M.S.G College Malegaon Camp Nashik under the Supervision of the undersigned the research work is satisfactory

Principal

H.O.D

Guide

Place : Malegaon

Date :

Canva

Canva

## اظہار تشکر

اللہ کے نام سے شروع جو بڑا مہربان اور نہایت رحم والا ہے کہ جس کی رحم و کرم کے صدقے میں انسان کے اچھے کاموں کی تکمیل ہوتی ہے۔

میں ساوتری ہائی پھلے پونے یونیورسٹی کی بے حد مشکور ہوں جس نے نصاب کو اس طرح ترتیب دیا کہ طلباء کو تحقیقی مقالے کی تیاری میں عملی تجربہ حاصل ہو اور پرنسپل ایم۔ ایس۔ جی کالج کی بے حد ممنون ہوں جن کی رہنمائی مکمل طور سے ہمارے ساتھ رہی۔ اس کے ساتھ ساتھ اس مقالے کی تیاری میں ڈاکٹر ساجد انصاری (صدر شعبہ اردو/فارسی)، ڈاکٹر شاہ ایاز احمد، ڈاکٹر شاہینہ پروین صدیقی کی، پروفیسر شمرین میڈم اور پروفیسر شازیہ نوشین میڈم کی بے حد مشکور ہوں۔ جنہوں نے قدم قدم پر اپنے قیمتی مشوروں سے نوازا اور مقالے تکمیل کو پہنچا۔ میں اس موقع پر لائبریری اسٹاف کا شکریہ ادا کرنا ضروری سمجھتی ہوں جنہوں نے بوقت ضرورت ہمیں کتا ہیں فراہم کیں اور مکمل تعاون کیا نیز میں اپنے تمام ہی ہم جماعت ساتھیوں، عزیزوں اور کمپیوٹر آپریٹر کا بھی تہہ دل سے شکریہ ادا کرتی ہوں جن کے تعاون اور نیک خواہشات کی بدولت یہ تحقیقی کام بہ حسن خوبی انجام پایا۔

شکریہ

عنیزہ پروین



## مرزا رفیع سودا کی شاعری

☆ مختصر سوانح سودا :-

مرزا محمد رفیع نام اور سودا تخلص تھا۔ اُن کے باب مرزا احمد سمیع کابل کے رہنے والے تجارت کی غرض سے ہندوستان آئے آبائی پیر سب گری تھاہندوستان کی آب و ہوائ نے یہاں سے جانے نہ دیا۔ تعلیم و تربیت تمام و کمال دلی میں ہوئی کالمی دروازے میں گھر تھا۔ اُن کی شاگردی کی بابت مختلف روایات ہیں۔ کہا جاتا ہے کہ وہ خان آرزو کے شاگرد ہے میں یہ غلط ہے۔ اُن کے یہاں صرف نشت زیادہ رہتی تھی۔ صبح یہ ہے کہ سودا پہلے سلیمان قلی کو شاگرد ہوئے اُس کے بعد شاہ حاتم کے دیوان کے دیباچے میں شاہ صاحب نے مرزا کا نام جس عنوان سے شاگردوں کی فرست میں لکھا ہے اُس سے فخر کی جھلک آتی ہے۔ پہلے فارسی میں شعر کہا کرتے تھے مگر خان آرزو کی اس نصیحت پر کہ مرزا فارسی اب تمہاری مادری زبان نہیں رہی، تمہارا کلام اہل کار زبان کے مقابلے میں قابل تعریف نہ ہوگا۔ طبعیت میں موزونیت ہے۔ شاعری سے مناسبت رکھتے ہو اُردو میں شعر کہا کرو تو یکتائے زمانے ہو گئے۔ مرزا سنبھل گئے اور نصیحت پر عمل کیا۔

سودا فقط طبعی شاعر نہ تھے بلکہ اس فن کے تمام اصول و فروغ کے ماہر تھے۔ شاعرانہ معلومات اور نقادی کا دائرہ وسیع تھا۔ فارسی عبارت عبارت میں شوخی کے ساتھ شگفتگی تھی۔ زبان شیریں تھی تحقیقات کے ابر سے ہجو کی بجلی بھی اگر چمکتی رہتی تھی اپنے معاصرین اور ہجمنوں سے مقابلے کے لیے ہر وقت تیار اور آمادہ رہتے تھے۔ اُردو شاعری کی ابتدائی داغ بیل جو ولی دکنی نے ڈالی تھی اس میں سینکڑوں کانٹے جھاڑیاں اور صد ہا بھکاریوں خود رو پودے تھے۔ جن کی صفائی بعد کے شعراء نے انہیں میں کے ایک شاہ حاتم مرزا کے استاد تھے۔ اس ہموار شدہ تختے پر سودا نے جو فلک فرسائے کھڑی کی اور اُس میں جس قدر

کی تشکیل ہو رہی تھی۔ اس لیے سوآنے غزلوں میں قصیدوں کی زبان استعمال کیسے جس میں عربی فارسی ترکیبوں کی بہتات ہے اور قصیدے کی طرح غزلوں میں بھی سنگلاخ زمینیں اختیار کی ہیں یہی وجہ ہے کہ غزل کے مضامین کے اصل جوہر کو پیچیدہ اور کسی قدر مشکل طرز نے چھپا دیا اور عام مقبولیت سے محروم کر دیا جو لوگ سوآ کے اس انداز کو سہولت سے قبول نہیں کر سکتے تھے، انھوں نے اس کی غزل کو قصیدے کے مقابلے میں پست کہہ دیا ہے۔ سوآنے خود اس طرف اشارہ کیا ہے۔ وہ جو کہتے ہیں کہ سوآ کا قصیدہ ہے خوب ان کی خدمت میں لیے میں یہ غزل جاؤں گا سوآ کو تم سمجھتے تھے کہ نہ سکے گا یہ غزل آفریں ایسے وہم پر صدقے میں اس گمان کے آفریں ایسے وہم پر صدقے میں اس گمان کے سوآ کی غزل گوئی کے متعلق یہ غلط فہمی دراصل اس کے طرز بیان کی وجہ سے پیدا ہوئی۔

### حوالہ جاتی کتب

- |                         |                                  |
|-------------------------|----------------------------------|
| (۱) مرزا محمد رفیع سودا | خلیق انجم                        |
| (۲) تذکرہ نیرنگ سودا    | منشی عبدالرفیع علوی اشرف کاکوروی |
| (۳) درد و سودا          | قاضی عبدالودود                   |
| (۴) مطالعہ سودا         | محمد حسن                         |



**M.S.G arts science & commerce college**

**MALEGAON CAMP**

**Department of Urdu/Persian**

**RESEARCH PROJECT**

**2023-24**

**SUBJECT**

**HISTORY OF URDU  
LITERATURE FROM  
1857 TO 1990 (PAPER-VI)**

**SUBJECT**

**MUNSHI PREM CHAND  
KI AFSANA NIGARI**

**NAME : NEHAN AFREEN NAFEEES AHMED**

**ROLL NO : 17**

**CLASS : M.A. II (SEM - IV)**

**GUIDE**

**PROF. SAMREEN MADAM**





# CERTIFICATE

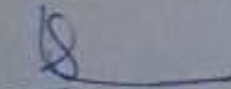
This is to Certify that Miss.

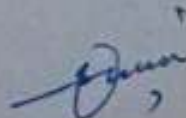
**NEHAN AFREEN NAFEES AHMED**

M.A II Sem. IV Urdu / Persian has completed her research articles entitle.

**MUNSHI PREM CHAND KI AFSANA NIGARI**

In M.S.G College Malegaon Camp Nashik under the Supervision of the undersigned the research work is satisfactory

  
Principal

  
HoD

  
Guide

## اظہار تشکر

اللہ کے نام سے شروع جو بڑا مہربان اور نہایت رحم والا ہے کہ جس کی رحم و کرم کے صدقے میں انسان کے اچھے کاموں کی تشکیل ہوتی ہے۔

میں ساوتری بانی پھلے پونے یونیورسٹی کی بے حد مشکور ہوں جس نے نصاب کو اس طرح ترتیب دیا کہ طلباء کو تحقیقی مقالہ کی تیاری میں عملی تجربہ حاصل ہو اور پرنسپل ایم۔ ایس۔ جی کالج کی بے حد ممنون ہوں جن کی رہنمائی مکمل طور سے ہمارے ساتھ رہی۔ اس کے ساتھ ساتھ اس مقالے کی تیاری میں ڈاکٹر ساجد انصاری (صدر شعبہ اردو/فارسی)، ڈاکٹر شاہ ایاز احمد، ڈاکٹر شاہینہ پروین صدیقی کی، پروفیسر شمرین میڈم اور پروفیسر شازیہ نوشین میڈم کی بے حد مشکور ہوں۔ جنہوں نے قدم قدم پر اپنے قیمتی مشوروں سے نوازا اور مقالہ تکمیل کو پہنچا۔ میں اس موقع پر لائبریری اسٹاف کا شکریہ ادا کرنا ضروری سمجھتی ہوں جنہوں نے بوقت ضرورت ہمیں کتابیں فراہم کیں اور مکمل تعاون کیا نیز میں اپنے تمام ہی ہم جماعت ساتھیوں، عزیزوں اور کمپیوٹر آپریٹر کا بھی تہہ دل سے شکریہ ادا کرتی ہوں جن کے تعاون اور نیک خواہشات کی بدولت یہ تحقیقی کام بہ حسن خوبی انجام پایا۔

شکریہ

نہاں آفرین

## منشی پریم چند کی افسانہ نگاری

پریم چند اردو افسانے کا ایک ایسا نام ہے، جو آج بھی افسانوی سفر کے ہر مسافر کو روشنی دکھا رہا ہے۔ کسی نے یہ بھی کہا ہے کہ پریم چند افسانوی ادب کا ایک ایسا دیو ہے، جسے لاکھ چاہنے کے باوجود، اپنے کاندھے سے اتارنے میں اب تک کوئی کامیاب نہیں ہو سکا ہے۔ پریم چند کا اصل نام دھنپت رائے تھا، ان کے والد کا نام منشی عجائب لال تھا، پریم چند کی پیدائش ۳۱ جولائی ۱۸۸۰ء کو بھارت کی ریاست اتر پردیش کے لمسی، (بنارس) گاؤں میں ہوئی تھی۔ اب تک کی تحقیق کے مطابق ان کے جو افسانوی مجموعے شائع ہوئے ہیں، ان کی فہرست کچھ اس طرح ہے۔ (۱) سوز و وطن ۱۹۰۸ء، (۵ کہانیاں)، (۲) پریم پچھلی (جلد اول) ۱۹۱۳ء، (۱۲ کہانیاں)، (۳) پریم پچھلی (جلد دوم) ۱۹۱۸ء، (۱۳ کہانیاں)، (۳) پریم پتھی (جلد اول) ۱۹۲۰ء، (۱۶ کہانیاں)، (۵) پریم پتھی (جلد دوم) ۱۹۲۰ء، (۱۶ کہانیاں)، (۶) خاک پر واند، ۱۹۲۸ء، (۱۲ کہانیاں)، (۷) خواب و خیال، ۱۹۲۸ء، (۱۳ کہانیاں)، (۸) فردوس خیال، ۱۹۲۹ء، (۱۲ کہانیاں)، (۹) پریم چالیسی (جلد اول) ۱۹۳۰ء، (۲۰ کہانیاں)، (۱۰) پریم چالیسی (جلد دوم) ۱۹۳۰ء، (۲۰ کہانیاں)، (۱۱) آخری تحفہ، ۱۹۳۳ء، (۱۳ کہانیاں)، (۱۲) زار اور او، ۱۹۳۶ء، (۱۵ کہانیاں)، (۱۳) دودھ کی قیمت، ۱۹۳۷ء، (۹ کہانیاں)، (۱۳) واردات، ۱۹۳۷ء، (۱۳ کہانیاں)۔

پریم چند کی فنکارانہ عظمت سے انکار نہیں کیا جاسکتا۔ گرچہ ان کے سلسلے میں کئی تنازعات باتیں بھی سامنے آئی ہیں۔ ڈاکٹر قمر رئیس، ڈاکٹر اصغر علی انجینئر، ڈاکٹر شیلیش زیدی، ابو محمد شبلی، بدر اورنگ آبادی اور مانک نالہ وغیرہ کے مباحث پریم چند کی شخصی خامیوں کی جانب اشارہ کرتے ہیں۔ پریم چند کا آریہ سماج سے شمولیت یا پھر مہاتما گاندھی کے عدم تشدد سے انکار، انہیں تنازعہ ضرور بناتا ہے، لیکن اس حد تک بھی نہیں، جس کی طرف گوئی چند نارنگ نے اشارہ کیا ہے اور لکھا ہے:

”گھر میں دو چار مٹی کے برتنوں کے سوا کوئی اثنا نہیں۔ پھٹے جھتھروں سے اپنے ننگے پن کو  
 ڈھانکے ہوئے جیسے جاتے تھے۔ دنیا کی فکروں سے آزاد، قرض سے لدے ہوئے، گالیاں بھی کھاتے، مار بھی  
 کھاتے مگر کوئی غم نہیں۔۔۔ دونوں سادھو ہوتے تو انھیں قناعت اور توکل کے لیے ضبط نفس کی مطلق ضرورت  
 نہ ہوتی۔“

☆ ذاتی رائے :-

پریم چند کے افسانوں کی ایک بڑی خوبی حقیقت نگاری ہے۔ پریم چند سے پہلے رومانیت کو غالبہ  
 حاصل تھا۔ حقیقت نگاری سے یہ مراد نہیں کہ واقعات کو جوں کا توں پیش کر دیا جائے بلکہ ایک فنکار حقیقت کو اپنی  
 فنکارانہ صلاحیت سے ایسے پیش کرتا ہے کہ وہ ادبی فن پارہ بن جاتی ہے۔ پریم چند کے کردار حقیقی دنیا کے جیتے  
 جاگتے انسان ہوتے ہیں۔ وہ مافوق الفطرت یا تصوراتی دنیا کے کردار تخلیق نہیں کرتے۔ ان کے کردار روتے بھی  
 ہیں اور ہنستے بھی ہیں۔ ایک دوسرے کی خوشیوں اور غموں میں شریک ہوتے ہیں۔

### حوالہ جاتی کتب

- |                       |  |
|-----------------------|--|
| محمد اکبر الدین صدیقی | (۱) پریم چند اور ان کی افسانہ نگاری        |
| قرر رئیس              | (۲) اردو ادب میں بیسویں صدی کا افسانوی ادب |
| سری نواس لاہوتی       | (۳) پریم چند کا ذہنی ارتقا                 |
| ممتاز شیریں           | (۴) معیار                                  |

❖ सावित्रीबाई फुले पुणे विद्यापीठात ❖  
टी.वाय.बी.ए. इतिहासासाठी तोंड ओळख या  
विषयासाठी प्रकल्प

❖ विषय ❖

‘ऐतिहासिक स्थळाला (गाळणा किल्ला )  
भेट आणि तेथील पर्यटनाचा अभ्यास’

नाव :- गुंजाळ अमोल जगन

रोल. नं. १२

मार्गदर्शक

प्रा. एस.एल.अहिरे

म.स.गा. मालेगाव कॅम्प



2023-2024 ✓



⊗सावित्रीबाई फुले पुणे विद्यापीठ ⊗

टी.वाय.बी.ए इतिहास विषयासाठी तृतीय वर्ष कला इतिहास  
तोंड ओळख याविषयासाठी प्रकल्प

●विषय●

संत नामदेव

नाव :- रुपेश पंडितराव बच्छाव

रोल.नं. १५३

मार्गदर्शक

प्रा. एस.एल.आहिरे

म.स.गा. महाविद्यालय मालेगाव कॅम्प



(2023 -2024 )



❖ मार्गदर्शकाचे प्रमाणपत्र ❖

प्रमाणित करण्यात येते की, कु. रुपेश पंडितराव बच्छाव याने संत नामदेवांचे चरित्र हा प्रकल्पाचा विषय घेऊन माझ्या मार्गदर्शनाखाली सादर प्रकल्प समाधान कारक रित्या पुर्ण केला. महात्मा गांधी विद्यामंदिर, महाराजा सयाजीराव गायकवाड महाविद्यालय, मालेगांव येथे तृतीय वर्ष (इतिहास या विषयाचे स्पेशल पेपर-3, इतिहासाची तोंडओळख) पदवीसाठी सादरकरण्यात आलेला आहे. हा • प्रकल्प या व्यतिरिक्त दुसऱ्या कुठल्याही विद्यालयात अथवा पदवीसाठी सादर करण्यात आलेला नाही. मी कला शाखेतील इतिहास या विषयाच्या पदवीसाठी प्रकल्पाची शिफारस करित आहे.

● मार्गदर्शक ●

प्रा.एस.एल.अहिरे

⊗ अभ्यासकेंद्र ⊗

महात्मा गांधी विद्यामंदिर महाराजा सयाजीराव गायकवाड  
महाविद्यालय, मालेगांव

सावित्रीबाई फुले पुणे विद्यापीठात

टी.वाय.बी.ए इतिहास विषयासाठी तृतीय वर्ष कला  
इतिहासासाठी तोंड ओळख याविषयासाठी प्रकल्प

विषय

‘ऐतिहासिक स्थळाला (रत्नदुर्ग किल्ला) भेट आणि तेथील  
पर्यावरणाचा अभ्यास’

नाव.:- शुभम लक्ष्मण दुकळे

रोल.न. १८२

मार्गदर्शक

प्रा.एस.एल.अहिरे

म.स.गा. मालेगाव कॅम्प

(२०२३ -२०२४ )

➤ अनुक्रमणिका <

अ.क्र.	घटक
१)	विषयाचे महत्व
२)	प्रकल्पाची उद्दिष्टे
३)	प्रकल्प कार्यपद्धती
४)	ऐतिहासिक महत्व
५)	ऐतिहासिक स्थळाच्या भेटीचा हेतू
६)	पर्यावरणीय मुद्दे
७)	निरीक्षणे
८)	विश्लेषण
९)	निष्कर्ष
१०)	संदर्भ
११)	प्रकल्पाचा अहवाल

सावित्रीबाई फुले पुणे विद्यापीठ ,पुणे व म.स.गा. महाविद्यालय  
मालेगाव कॅम्प मालेगाव(नाशिक)बी.ए.इतिहास विषयासाठी

(सन् 2023-24 )

तृतीय वर्ष कला ,इतिहासाची तोंडओळख.

विषय:

"संत नामदेव महाराज यांच्या पदस्पर्शाने पावन झालेले  
माल्हणगाव"

सदरकर्ता

सुरंजे तेजस दगडू

तृतीय वर्ष कला (इतिहास )

मार्गदर्शक

प्रा.अजय आहिर सर

इतिहास विभागप्रमुख

म. स गा महाविद्यालय .

*Chetane*



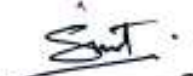
## प्रतिज्ञापत्र

मी प्रतिज्ञापूरुवक निवेदन करतो की ,संत नामदेव महाराज यांच्या पदस्पर्शाने पावन झालेले माल्हणगाव या विषयावर प्रकल्प तृतीय वर्ष कला इतिहासलेखनशास्त्राची तोंड ओळख या विषयासाठी एस.एल.अहिरे यांच्या मार्गदर्शनाखली मी स्वत तयार केला आहे..

सदरचा प्रकल्प व त्याचा कोणताही कोणताही भाग इतर कोणत्याही परीक्षेसाठी सादर केलेला नाही..

दिनांक : 15 / 3 / 2024।

स्थळ : मालेगाव

  
सदरकर्ता

(सुरंजे तेजस दगडू)



## महात्मा गांधी विद्यामंदिर संचलीत

म.स.गा. कला,विज्ञान,व वाणिज्य महाविद्यालय मालेगाव कॅम्प, मालेगाव जी .नाशिक

### प्रमाणपत्र

प्रमाणित करण्यात येते की, सुरंजे तेजस दगडू हे कला शाखेतील तृतीय वर्ष इतिहास विषयाचे विद्यार्थी असून त्यांनी प्रकल्पासाठी संत नामदेव महाराज यांच्या पदस्पर्शाने पावन् झालेले माल्हणगाव हा विषय निवडला आहे .हा प्रकल्प 2023 -24 या वर्षात इतिहासलेखनशासराची तोंड ओळख या विषयासाठी सादर करण्यात आला आहे .प्रमाणित करण्यात येते की,हा प्रकल्प तृतीय वर्ष कला इतिहास विषयाच्या परीक्षेसाठी सादर करण्याच्या योग्यतेचा आहे

मार्गदर्शक

प्रा .अजय अहिर सर

इतिहास विभाग प्रमुख म.स.गा.महाविद्यालय  
(मालेगाव कॅम्प मालेगाव)



M.S.G. ARTS SCIENCE AND COMMERCE COLLEGE  
MALEGAON CAMP

Department of Geography

MA/MSC II sem IV



Dissertation

**“HEALTH PROBLEM OF INDUSTRIAL WORKER  
IN MALEGAON”**

Presented By

Tahoora Hifzurrahman

Roll No: 08

Under the Guidance of  
Prof. (Dr.) C.M. Nikam

P.G. Department of Geography

M.S.G. Arts Science and Commerce College,  
Malegaon Camp.

May/June 2024




M.S.G. Arts Science and Commerce College,  
Malegaon Camp.



**Certificate**

This is to certify that **Tahoora Hifzurrahman** of MA has completed  
the investigatory project as per the requirement of practical work  
For Savitribai Phule Pune University during the year 2023-2024

  
.....  
**Dr. C. M. Nikam**  
Signature of teacher

  
.....  
Signature of examiner



**“STUDY OF AGRICULTURE CROP PRODUCTION AND  
PRODUCTIVITY IN YESGAON CIRCLE REGION OF MALEGAON  
TAHSIL”**

A DISSERTATION SUBMITTED FOR THE PARTIAL FULFILLMENT OF  
AWARD OF DEGREE OF

**Master of Science in Geography**

**SUBMITTED TO**



**Mahatma Gandhi Vidyamandir's**

**M.S.G Arts Commerce and Science College**

**Malegaon Camp (Nashik) 423203**

**Mr. Thakare Rahul Sakharchand**

**Roll No. 05 Seate No. 601121**

**Under the Guidance of**

**Prof. Dr. C. M. Nikam**

**Year :- 2023 - 2024**

## CERTIFICATE

This is to certify that **Mr. Thakare Rahul Sakharchand** has worked and duly completed her Project Work for the degree of Master of Commerce under the Faculty of Commerce in the subject of Finance and her project is entitled, "**Study Of Agriculture Crop Production And Productivity In Yesgaon Circle Region Of Malegaon Tahsil**"

under my supervision.

I further certify that the entire work has been done by the learner under my guidance and that no part of it has been submitted previously for any Degree or Diploma of any University.

It is her own work and facts reported by her personal feelings and investigations.

*Examined*

*3/5/24*

*C. M. Nikam*

(Prof. Dr. C. M. Nikam)

Name and signature of guiding

Teacher

Date of Submission:

*3/5/24*

# MAHATMA GANDHI VIDYAMANDIR'S

Maharaja sayajirao gaikwad arts,science & commers collage



MALEGAON CAMP, TAL MALEGAON DIST NASHIK

Dissertation report

"The Occupational Structure Of Umarane Village"

Submitted by

**Jitendra balu kamble**

MA/MSC 2<sup>nd</sup> year 2023/24

Roll no: 3

PG DEPARMENT OF GEOGRAPHY

Under guidance of



PROF: B.S.NIKAM

SAVITRIBAI PHULE PUNE UNIVERSITY



**MAHATMA GANDHI VIDYAMANDIR'S**

**Maharaja Sayajirao Gaikwad Mahavidyalay Malegaon Camp**

**Dist. Nashik**

**DEPARTMENT GEOGRAPHY**

**CERTIFICATE**

**THIS IS CERTIFY THAT MRS. JITENDRA BALU KAMBLE**

**MA/MS 2<sup>nd</sup> year,**

**Examination seat no. \_\_\_\_\_, he completed the dissertation**

**Satisfactorily during the academic year 2023-2024**

**Seat No. 601115**

**Place: Malegaon**

**Date 07/05/2024**

**Guide**

**Prof. B.S. NIKAM**

  
**3/5/24**

SAVITRIBAI PHULE PUNE UNIVERSITY

MAHATMA GANDHI VIDYAMANDIR'S

MAHARAJA SAYAJIRAO GAIKWAD ART'S, SCIENCE & COMMERCE  
COLLEGE

MALEGAON CAMP, TAL. MALEGAON, DIST.NASIK

DISSERTATION

"SOCIO ECONOMIC STUDY OF MAHADEV KOLI TRIBE OF GARBAD  
VILLAGE A CASE STUDY"

SUBMITTED BY

WAGHCHAURE MINAKSHI VIKRAM

MA/MSC II

ROLL NO: 04

DEPARTMENT OF GEOGRAPHY

UNDER GUIDANCE OF

DR.B.A.AVHAD



2023-2024



**M.S.G. College, MALEGAON**

**DEPARTMENT OF GEOGRAPHY**

**CERTIFICATE**

*This is to certify that Mr. /Miss, Waghchaure  
Minakshi Vikram MA/ MSC 2nd Year,  
examination Seat No.04 she Completed the  
Dissertation Satisfactorily During the Academic  
Year 2023 – 2024  
Seat No- 60112*

*Examined  
3/5/2024*

*Avhad  
Guide*

**DR.B.A.AVHAD**

**Date:** *03/05/2024*

**Place:** Malegaon



**SAVITRIBAI PHULE PUNE UNIVERSITY**

**MAHATMA GANDHI VIDYAMANDIR'S  
MAHARAJA SAYAJIRAO GAIKWAD ARTS, SCIENCE,  
& COMMERCE COLLEGE,  
MALEGAON CAMP, TAL. MALEGAON DIST. NASHIK**

Dissertation entitled

**“A GEOGRAPHICAL STUDY OF ISMAIL BEEDI  
INDUSTRY IN MALEGAON”**

Submitted by

**Ansari Afshan Abdul Razzaque**

M.A. / M.Sc. II

Roll No. 01

**PG DEPARTMENT OF GEOGRAPHY**

Under the Guidance of

**DR. S.A. DEORE**

**Academic Year 2023-2024**





### CERTIFICATE

This is to certify that **ANSARI AFSHAN ABDUL RAZZAQUE** .Roll No.01. Class **M.A./M.Sc.II** has submitted the dissertation entitled "**A GEOGRAPHICAL STUDY OF ISMAIL BEEDI INDUSTRY IN MALEGAON**" under the guidance of **DR. S.A. DEORE**.

3/5/2024

3/5/2024

Dr. S.A. Deore



SAVITRIBAI PHULE PUNE UNIVERSITY  
Mahatma Gandhi Vidyamandir's

Maharaja Sayajirao Gaikwad Art's, Science & Commerce College  
Malegaon camp, Tal. Malegaon, dist. Nasik

Dissertation entitled

"THE GEOGRAPHICAL STUDY OF DRINKING WATER SUPPLY IN MALEGAON  
CITY"

Submitted by

TALHA ABDUL QUDDUS  
MSc II

Roll No: 09

PG DEPARTMENT OF GEOGRAPHY

Under Guidance OF

Asst. Professor ANIL GAUKWAD SIR

2023-2024

## CERTIFICATE

This is to certify that the dissertation entitled, "**A STUDY ON THE DRINKING WATER SUPPLY IN MALEGAON CITY**" submitted to Maharaja Sayajirao Gaikwad Arts, Science and Commerce College in partial fulfilment of the requirements for the award of the Degree of Master of science is a record of original research work done by **Mr. TALHA ABDUL QUDDUS** (Roll No. 09) during the period of the study (2023 - 2024) in the Department of Geography, MSG College Malegaon, Under my guidance and supervision. To the best of my knowledge and belief this elsewhere for the award of any other degree.

Place: MALEGAON

Date: 01/05/2024

  
HOD/PRINCIPAL

*Examined*  
  
31/5/24

  
signature of guide

Project work evaluation viva-voce examination conducted on.

Internal examiner

  
external examiner

# **“Pollution and health problems due to power loom industry in Malegaon”**

A dissertation submitted to the

Savitribai Phule Pune University  
for the Degree of Master of Arts

*Research student*

**Shawana Eram Mustaqueem Ahmed**

Department of Geography

M.S.G. Arts , Science and Commerce college, Malegaon – Nashik

*Research Guide*

**Dr A.D. pawar**

Assistant professor

Department of Geography

M.S.G. Arts , Science and Commerce college, Malegaon – Nashik

**April-2024**

Savitribai Phule Pune University

Mahatma Gandhi Vidya Mandir's  
M.S.G. Arts , Science and Commerce college,  
Malegaon Dist. Nashik

**CERTIFICATE**

This is to certified that the dissertation entitled  
**“Pollution and health problems due to power loom  
industry in Malegaon”** has been submitted by **Shawana  
Eram Mustaqueem Ahmed** in particular fulfillment of  
the requirement for the award of the degree of **Master of  
Arts** of Department of Geography, M.S.G. Arts , Science  
and Commerce college, Malegaon(Camp) Nashik  
academic year 2023-2024.

*Shawana  
Eram*

Research Scholar

*Examined  
AB 3/5/24*

*Sulake*

Research Guide

**SAVITRIBAI PHULE PUNE UNIVERSITY**  
**MAHATMA GANDHI VIDYAMANDIR'S**  
Maharaja sayajirao gaikwad arts,science & commers collage



**MALEGAON CAMP, TAL MALEGAON DIST NASHIK**

**Dissertation report**

**"The Venkateshwar Agriculture Farm Deovlotment in Ajang"**

**Submitted by**

**MANOJ BALU KAMBLE**

**MA/MSC 2<sup>nd</sup> YEAR**

**Roll no: 2**

**PG DEPARMENT OF GEOGRAPHY**



**Under guidance of**

**Prof : A.D.Pawar**

**2023/2024**



MAHATMA GANDHI VIDYAMANDIR'S

Maharaja Sayajirao Gaikwad Mahavidyalay Malegaon Camp

Dist. Nashik

DEPARTMENT GEOGRAPHY

CERTIFICATE

THIS IS CERTIFY THAT MRS. JITENDRA BALU KAMBLE

MA/MS 2<sup>nd</sup> year.

Examination seat no. \_\_\_\_\_, he completed the dissertation

Satisfactorily during the academic year 2023-2024

Seat No - 601116

Place: Malegaon

Date: 3/5/2024

Guide

Prof. A.D Pawar

*Examined*  
*3/5/24*



**“Study of Population in Malegaon City”**

A Project Submitted to

**Savitribai Phule Pune University**

for partial completion of the degree of

**Master of Science**

Under the Faculty of Science

By

**Mr. Ahire Somnath Valmik**

Under the Guidance of

**Prof. S. R. Dukale**



**Mahatma Gandhi Vidyamandir's**

**M.S.G Arts Commerce and Science College**

**Malegaon Camp (Nashik) 423203**

**Year :- 2023 - 2024**



## CERTIFICATE

This is to certify that **Mr. Ahire Somnath Valmik** has worked and duly completed her Project Work for the degree of Master of Commerce under the Faculty of Commerce in the subject of Finance and her project is entitled, "**Study of Population in Malegaon City.**" under my supervision.

I further certify that the entire work has been done by the learner under my guidance and that no part of it has been submitted previously for any Degree or Diploma of any University.

It is her own work and facts reported by her personal feelings and investigations.

Examined

3/5/24



Name and signature of guiding

Teacher

(Prof. S. R. Dukale)

Date of Submission:

*M.S.G.COLLEGE MALEGAON CAMP*

*Department of Geography*

*MSc.IISEMIV*



*Dissertation*

*"GEOGRAPHICAL STUDY OF MEDICAL PROBLEMS AND  
THEIR SOLUTION IN MALEGAON CITY"*

*Presented By*

*Ziyaurraheman AbdulHafeez*

*Roll No.12*

*Under the Guidance*

*Asst Professor N. V Ahersir*

*Department of Geography*

*M.S.G.College, Malegaon*

*May 2024*



**M.S.G. COLLEGE, MALEGAON**  
DEPARTMENT OF GEOGRAPHY

**CERTIFICATE**

This is to certify that work incorporated in this dissertation  
"THE GEOGRAPHICAL STUDY OF MEDICAL ISSUES AND  
THEIR SOLUTIONS IN MALEGAON CITY" Was carried out  
satisfactorily by the candidate under my supervision during the  
year 2023-2024.

Such material as has been obtained from the sources, has  
acknowledged in this dissertation.

*Examined*  
*3/5/24*  
*[Signature]*  
Asst. Professor N.A. Aher sir

GUIDE

Department of Geography

Date:

*3/5/24*

Place: Malegaon



**A PROJECT REPORT**

**On**

**Soil Testing and Analysis in H. H. SRI. SRI MURALIDHARA  
SWAMIJI COLLEGE OF AGRICULTURE, MALEGAON CAMP**

**(Nashik)**

**SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY**

**FOR THE FULFILLMENT**

**OF**

**MASTER DEGREE IN**

**GEOGRAPHY**

**BY**

**MR.JAGTAP MAHENDRA DILIP**

**UNDER THE GUIDANCE OF**

**Prof. DR. C.M.Nikam**

**AT**

**POST GRADUATE DEPARTMENT OF  
GEOGRAPHY**

**MAHATMA GANDHI VIDYAMANDIR'S  
M.S.G. ARTS, SCIENCE & COMMERCE COLLEGE  
MALEGAON CAMP (423203) (NASHIK).**

**2023-2024**

## CERTIFICATE

This is to certify that the project entitled **Soil Testing and Analysis in H. H. SRI. SRI MURLIDHARA SWAMIJI COLLEGE OF AGRICULTURE, MALEGAON CAMP** submitted to **Savitribai Phule Pune University** during the year **2023-2024** for the fulfillment of **Master Degree in Geography**. Above-entitled project work carried out by **MR. JAGTAP MAHENDRA DILIP** under the guidance and supervision of **Prof. DR. C.M. Nikam**.

*Examined*

*[Signature]*  
7/5/24

Place: Malegaon

Date: 7/5/24

*[Signature]*  
9/5  
**PRINCIPAL**  
H.H.S.M.S. College of Agriculture  
Malegaon Camp (Nashik) 423 105

*[Signature]*

Project Guide

Prof. Dr. C.M. Nikam

*[Signature]*

Examiner

*[Signature]*

Head of Department

Prof. Dr. C.M. Nikam



**A PROJECT REPORT**

**On**  
**Soil Testing and Analysis in H. H. SRI. SRI MURALIDHARA**  
**SWAMIJI COLLEGE OF AGRICULTURE, MALEGAON CAMP**  
**(Nashik)**

**SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY**  
**FOR THE FULFILLMENT**  
**OF**  
**MASTER DEGREE IN**  
**GEOGRAPHY**

**BY**  
**Miss.HETAL DEEPAK BACCHAV**  
**UNDER THE GUIDANCE OF**

**Prof. DR. C.M.Nikam**

**AT**  
**POST GRADUATE DEPARTMENT OF**  
**GEOGRAPHY**  
**MAHATMA GANDHI VIDYAMANDIR'S**  
**M.S.G. ARTS, SCIENCE & COMMERCE COLLEGE**  
**MALEGAON CAMP (423203) (NASHIK).**

**2023-2024**

## CERTIFICATE

This is to certify that the project entitled **Soil Testing and Analysis in H. H. SRI. SRI MURLIDHARA SWAMIJI COLLEGE OF AGRICULTURE, MALEGAON CAMP** submitted to **Savitribai Phule Pune University** during the year **2023-2024** for the fulfillment of **Master Degree in Geography**. Above-entitled project work carried out by **Miss.HETAL DEEPAK BACCHAV** under the guidance and supervision of **Prof. DR. C.M. Nikam**.

Examined

7/5/24

Prin.

**PRINCIPAL**  
H.H.S.M.S. College of Agriculture  
Malegaon Camp (Nashik) 423 105

Place: Malegaon

Date:

7/5/24

S

Project Guide

Prof. Dr. C.M. Nikam

Examiner

Head of Department

Prof. Dr. C.M. Nikam



**A PROJECT REPORT**

**On**  
**Soil Testing and Analysis in H. H. SRI. SRI MURALIDHARA**  
**SWAMIJI COLLEGE OF AGRICULTURE, MALEGAON CAMP**  
**(Nashik)**

**SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY**

**FOR THE FULFILLMENT**

**OF**

**MASTER DEGREE IN**

**GEOGRAPHY**

**BY**

**MISS. SHELAR BHAGYASHREE JAYRAM**

**UNDER THE GUIDANCE OF**

**Prof. DR. C.M.Nikam**

**AT**

**POST GRADUATE DEPARTMENT OF**  
**GEOGRAPHY**

**MAHATMA GANDHI VIDYAMANDIR'S**  
**M.S.G. ARTS, SCIENCE & COMMERCE COLLEGE**  
**MALEGAON CAMP (423203) (NASHIK).**

**2023-2024**



## CERTIFICATE

This is to certify that the project entitled **Soil Testing and Analysis in**  
**H. H. SRI. SRI MURLIDHARA SWAMIJI COLLEGE OF**  
**AGRICULTURE, MALEGAON CAMP** submitted to **Savitribai Phule**  
**Pune University** during the year **2023-2024** for the fulfillment of **Master**  
**Degree in Geography**. Above-entitled project work carried out by **Miss.**  
**Shelar Bhagyashree Jayram** under the guidance and supervision of **Prof.**  
**DR. C.M. Nikam.**

Examined

Place: Malegaon

Date: 7/5/24

7/5/24  
Principal

PRINCIPAL  
H.H.S.S.M.S. College of Agriculture  
Malegaon Camp (Nashik) 423 105

S



Project Guide

Prof. Dr. C.M. Nikam



Examiner



Head of Department

Prof. Dr. C.M. Nikam



**A PROJECT REPORT**

**On**  
**Soil Testing and Analysis in H. H. SRI. SRI MURALIDHARA**  
**SWAMIJI COLLEGE OF AGRICULTURE, MALEGAON CAMP**  
**(Nashik)**

**SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY**

**FOR THE FULFILLMENT**

**OF**

**MASTER DEGREE IN**

**GEOGRAPHY**

**BY**

**Mr. Suryawanshi Kamlesh Santosh**

**UNDER THE GUIDANCE OF**

**Prof. DR. C.M.Nikam**

**AT**

**POST GRADUATE DEPARTMENT OF**  
**GEOGRAPHY**

**MAHATMA GANDHI VIDYAMANDIR'S**  
**M.S.G. ARTS, SCIENCE & COMMERCE COLLEGE**  
**MALEGAON CAMP (423203) (NASHIK).**

**2023-2024**

## CERTIFICATE

This is to certify that the project entitled Soil Testing and Analysis in H. H. SRI. SRI MURLIDHARA SWAMIJI COLLEGE OF AGRICULTURE, MALEGAON CAMP submitted to Savitribai Phule Pune University during the year 2023-2024 for the fulfillment of Master Degree in Geography. Above-entitled project work carried out by Mr. Suryawanshi Kamlesh Santosh under the guidance and supervision of Prof. DR. C.M. Nikam.

Examined

7/5/24

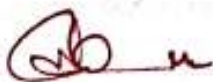
Place: Malegaon

Date: 7/5

Principal

M.H.S.S.M.S. College of Agriculture  
Malegaon Camp (Nashik) 423 105

S



Project Guide

Prof. Dr. C.M. Nikam



Examiner



Head of Department

Prof. Dr. C.M. Nikam



**A PROJECT REPORT**

**On**  
**Soil Testing and Analysis in H. H. SRI. SRI MURALIDHARA**  
**SWAMIJI COLLEGE OF AGRICULTURE, MALEGAON CAMP**

**(Nashik)**

**SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY**

**FOR THE FULFILLMENT**

**OF**

**MASTER DEGREE IN**

**GEOGRAPHY**

**BY**

**Mrs. MINAKSHI BAPU SHINDE**

**UNDER THE GUIDANCE OF**

**Prof. DR. C.M.Nikam**

**AT**

**POST GRADUATE DEPARTMENT OF**  
**GEOGRAPHY**

**MAHATMA GANDHI VIDYAMANDIR'S**  
**M.S.G. ARTS, SCIENCE & COMMERCE COLLEGE**  
**MALEGAON CAMP (423203) (NASHIK).**

**2023-2024**

## CERTIFICATE

This is to certify that the project entitled **Soil Testing and Analysis in H. H. SRI. SRI MURLIDHARA SWAMIJI COLLEGE OF AGRICULTURE, MALEGAON CAMP** submitted to **Savitribai Phule Pune University** during the year **2023-2024** for the fulfillment of **Master Degree in Geography**. Above-entitled project work carried out by **Mrs. MINAKSHI BAPU SHINDE** under the guidance and supervision of **Prof. DR. C.M. Nikam**.

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**MISS. MADHURI SAHEBRIO AHIRE**

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AGRICULTURAL COLLEGE

**“SOIL TESTING AND ANALYSIS”**

SUBMITTED TO  
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FOR THE DEGREE OF MASTER OF SCIENCE

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This is to certified that the dissertation entitled "Soil Testing and Analysis" has been submitted by **Momin Ifra Iram Khalid Parvez** in particular fulfillment of the requirement for the award of the degree of **Master of Science of Department of Geography, M.S.G. Arts, Science, and Commerce College, Malegaon (Camp), Nashik Academic Year 2023-2024**

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THIS IS TO CERTIFY THAT WORK INCORPORATED BY THE CANDIDATE  
MR./MISS: *Suryawanshi Pallavi Subhash* IN  
THIS- FIELD EXCURSION/VILLAGE SURVEY/PROJECT REPORT WAS  
CARRIED OUT SATISFACTORILY IN THE ACADEMIC YEAR 2023-2024, AS  
LAID DOWN BY THE SPPU

Date:  
Place: Malegaon



*Examined*

*[Signature]*  
Subject Teacher

*[Signature]*  
External Examiner

*[Signature]*  
HoD



MAHATMA GANDHI VIDYAMANDIRs  
M.S.G. ASC COLLEGE, MALEGAON CAMP DIST. NASHIK  
NAAC Accredited (Cycle 3<sup>rd</sup>) A+ Grade with CGP-326s  
DEPARTMENT OF GEOGRAPHY

## CERTIFICATE

THIS IS TO CERTIFY THAT WORK INCORPORATED BY THE CANDIDATE  
MR./MISS: *Wagh Tushar Ravindra* IN  
THIS- FIELD EXCURSION/VILLAGE SURVEY/PROJECT REPORT WAS  
CARRIED OUT SATISFACTORILY IN THE ACADEMIC YEAR 2023-2024, AS  
LAID DOWN BY THE SPPU

Date:  
Place: Malegaon



*[Signature]*  
Subject Teacher

*Examiner*  
*Jenbee*  
External Examiner

*[Signature]*  
HoD



MAHATMA GANDHI VIDYAMANDIRs  
M.S.G. ASC COLLEGE, MALEGAON CAMP DIST. NASHIK  
NAAC Accredited (Cycle 3<sup>rd</sup>) A+ Grade with CGP-326s  
DEPARTMENT OF GEOGRAPHY

## CERTIFICATE

THIS IS TO CERTIFY THAT WORK INCORPORATED BY THE CANDIDATE  
MR./MISS: Ahire Shubham Sanjay. IN  
THIS- FIELD EXCURSION/VILLAGE SURVEY/PROJECT REPORT WAS  
CARRIED OUT SATISFACTORILY IN THE ACADEMIC YEAR 2023-2024, AS  
LAID DOWN BY THE SPPU

Date:  
Place: Malegaon



Examined

Jenbee

External Examiner

  
Subject Teacher



HoD



MAHATMA GANDHI VIDYAMANDIRs  
M.S.G. ASC COLLEGE, MALEGAON CAMP DIST. NASHIK  
NAAC Accredited (Cycle 3<sup>rd</sup>) A+ Grade with CGP-326s  
DEPARTMENT OF GEOGRAPHY

## CERTIFICATE

THIS IS TO CERTIFY THAT WORK INCORPORATED BY THE CANDIDATE  
MR./MISS: *Kale Rhuskesh Prashant* IN  
THIS- FIELD EXCURSION/VILLAGE SURVEY/PROJECT REPORT WAS  
CARRIED OUT SATISFACTORILY IN THE ACADEMIC YEAR 2023-2024, AS  
LAID DOWN BY THE SPPU


Date:  
Place: Malegaon



*Examined*  
*Jenbes*

  
Subject Teacher

External Examiner

  
HoD





MAHATMA GANDHI VIDYAMANDIRs  
M.S.G. ASC COLLEGE, MALEGAON CAMP DIST. NASHIK  
NAAC Accredited (Cycle 3<sup>rd</sup>) A+ Grade with CGP-326s  
DEPARTMENT OF GEOGRAPHY


## CERTIFICATE

THIS IS TO CERTIFY THAT WORK INCORPORATED BY THE CANDIDATE  
MR./MISS: *Daitkar Rupesh Dilip* IN  
THIS- FIELD EXCURSION/VILLAGE SURVEY/PROJECT REPORT WAS  
CARRIED OUT SATISFACTORILY IN THE ACADEMIC YEAR 2023-2024, AS  
LAID DOWN BY THE SPPU


Date:  
Place: Malegaon



*Examined*

  
Subject Teacher

*Jeubeer*  
External Examiner

  
HoD



MAHATMA GANDHI VIDYAMANDIRs  
M.S.G. ASC COLLEGE, MALEGAON CAMP DIST. NASHIK  
NAAC Accredited (Cycle 3<sup>rd</sup>) A+ Grade with CGP-326s  
DEPARTMENT OF GEOGRAPHY

## CERTIFICATE

THIS IS TO CERTIFY THAT WORK INCORPORATED BY THE CANDIDATE  
MR./MISS: *Ahire Rupesh Rohidas* IN  
THIS- FIELD EXCURSION/VILLAGE SURVEY/PROJECT REPORT WAS  
CARRIED OUT SATISFACTORILY IN THE ACADEMIC YEAR 2023-2024, AS  
LAID DOWN BY THE SPPU

Date:  
Place: Malegaon



*[Signature]*  
Subject Teacher

*Examined*  
*Yenbee*  
External Examiner

*[Signature]*  
HoD



MAHATMA GANDHI VIDYAMANDIRs  
M.S.G. ASC COLLEGE, MALEGAON CAMP DIST. NASHIK  
NAAC Accredited (Cycle 3<sup>rd</sup>) A+ Grade with CGP-326s  
DEPARTMENT OF GEOGRAPHY

## CERTIFICATE

THIS IS TO CERTIFY THAT WORK INCORPORATED BY THE CANDIDATE  
MR./MISS: *Aher Aditya Shivaji* IN  
THIS- FIELD EXCURSION/VILLAGE SURVEY/PROJECT REPORT WAS  
CARRIED OUT SATISFACTORILY IN THE ACADEMIC YEAR 2023-2024, AS  
LAID DOWN BY THE SPPU

Date:  
Place: Malegaon



*Examined*

*Yenbee*

External Examiner

*[Signature]*  
Subject Teacher

*[Signature]*  
HoD



MAHATMA GANDHI VIDYAMANDIRs  
M.S.G. ASC COLLEGE, MALEGAON CAMP DIST. NASHIK  
NAAC Accredited (Cycle 3<sup>rd</sup>) A+ Grade with CGP-326s  
DEPARTMENT OF GEOGRAPHY

## CERTIFICATE

THIS IS TO CERTIFY THAT WORK INCORPORATED BY THE CANDIDATE  
MR./MISS: *Bhoi Chaitanya Sanjay.* IN  
THIS- FIELD EXCURSION/VILLAGE SURVEY/PROJECT REPORT WAS  
CARRIED OUT SATISFACTORILY IN THE ACADEMIC YEAR 2023-2024, AS  
LAID DOWN BY THE SPPU

Date:  
Place: Malegaon



*Examiner*

*[Signature]*  
Subject-Teacher

*[Signature]*  
External Examiner

*[Signature]*  
HoD



MAHATMA GANDHI VIDYAMANDIRs  
M.S.G. ASC COLLEGE, MALEGAON CAMP DIST. NASHIK  
NAAC Accredited (Cycle 3<sup>rd</sup>) A+ Grade with CGP-326s  
DEPARTMENT OF GEOGRAPHY

## CERTIFICATE

THIS IS TO CERTIFY THAT WORK INCORPORATED BY THE CANDIDATE  
MR./MISS: \_\_\_\_\_ IN  
THIS- FIELD EXCURSION/VILLAGE SURVEY/PROJECT REPORT WAS  
CARRIED OUT SATISFACTORILY IN THE ACADEMIC YEAR 2023-2024, AS  
LAID DOWN BY THE SPPU

Date:  
Place: Malegaon



*Examinee*

*Jenbee*

External Examiner

*[Signature]*  
Subject Teacher

*[Signature]*  
HoD

## महत्त्वाची आणि तातडीची सूचना

एम ए भाग १ व एम ए भाग २ सर्व विद्यार्थ्यांना सुचित करण्यात येते की, सात मार्च रोजी आपली क्षेत्रभेट सहल जाण्याचे निश्चित झाले आहे तरी सर्वांनी सात मार्च रोजी सकाळी सात वाजता महाविद्यालयाच्या गेटवर उपस्थित राहावे.

सोबत.

१. महागड्या व किमती वस्तू आणू नये.
२. आपापली पाण्याची बाटली सोबत ठेवावी.
३. एक वेळचा जेवणाचा डबा गरजेचा.
४. आय कार्ड सोबत असणे गरजेचे.
५. सहलीच येण्यासाठीचे पालकांचा हमीपत्र.
६. आपले लहान बालक असतील तर सोबत घेऊ नये.

डॉ. अर्जुन नेरकर



मराठी विभाग प्रमुख

## क्षेत्रभेट अहवाल

महाराजा सजीराव गायकवाड महाविद्यालयातील मराठी विभागातर्फे एम. ए. मराठी च्या विद्यार्थ्यांची क्षेत्रभेट दि. ७ मार्च २०२४ रोजी कुसुमाग्रज स्मारक व नाशिक परिसरात संपन्न झाली. यावेळी त्रंबकेश्वर येथील ज्योतिर्लिंग दर्शन, निवृत्तीनाथांचे समाधी दर्शन, स्वामी समर्थ केंद्र दर्शन घेऊन नाशिकच्या कुसुमाग्रज प्रतिष्ठान व कुसुमाग्रज स्मारकांमध्ये भेट देऊन तात्यासाहेब शिरवाडकर यांच्या बैठक दालनासह वाचनालयाची माहिती जाणून घेतली. मराठी विभागाचे प्रमुख डॉ. अर्जुन नेरकर यांनी कुसुमाग्रज प्रतिष्ठानच्या सर्व उपक्रमांची माहिती यावेळी विद्यार्थ्यांना दिली. कुसुमाग्रज स्मारकाला भेट देऊन समृद्ध वाचनालयाला भेट देऊन तात्यासाहेब यांची ग्रंथसंपदा चित्र प्रदर्शन व कविता पाहता आल्या. डॉ. गजानन भामरे यांनी कुसुमाग्रज यांच्या कवितांचे अभिवाचन केले. मराठी कविता व कुसुमाग्रज या विषयावर डॉ. सपना सोनवणे यांनी विद्यार्थ्यांना मार्गदर्शन केले. प्रा. वर्षा अहिरे यांनी क्षेत्रभेटीच्या आयोजनाची भूमिका मांडून मराठी कविता व साहित्यिक परंपरा नासिकला किती महत्त्व आहे याबद्दल मार्गदर्शन केले. एम. ए. मराठी विद्यार्थी यांनी ग्रंथपाल यांना विविध प्रश्नावर चर्चा करत स्मारकाच्या बाबी जाणून घेतल्या. तसेच परतीच्या प्रवासात पंचवटी येथील काळाराम मंदिर व सिता गुफा येथे राम, सीता यांचे दर्शन घेतले. या क्षेत्रभेटीसाठी मराठी संशोधन केंद्रप्रमुख डॉ. अरुण पाटील, डॉ. विनोद गोरवाडकर, प्रा. उज्ज्वला अहिरे यांचे मार्गदर्शन लाभले. या क्षेत्रभेटीसाठी पदव्युत्तर विभागातील विद्यार्थ्यांनी मोठ्या उत्साहाने सहभाग घेतला.



प्रमुख

मराठी विभाग

म.स.गा. महाविद्यालय  
मालेगांव कॅम्प (नाशिक)

## मसगा महाविद्यालय मराठी विभागाची कुसुमाग्रज स्मारक व परिसर क्षेत्रभेट

संगमेश्वर : मालेगाव येथील मसगा महाविद्यालयातील मराठी विभागातर्फे एमए मराठी विद्यार्थ्यांची क्षेत्रभेट कुसुमाग्रज स्मारक व नाशिकच्या परिसरात संपन्न झाली.

गोदावरी कुंडासह स्वामी समर्थ केंद्र आदी भेट देण्यात आली. नाशिकच्या कुसुमाग्रज प्रतिष्ठानमध्ये भेट देऊन कविवर्य वि. वा. शिरवाडकर यांच्या बैठक दालनाला भेट देऊन वाचनालयाची माहिती जाणून घेतली.

मराठी विभागाचे प्रमुख डॉ अर्जुन नेरकर यांनी कुसुमाग्रज प्रतिष्ठानच्या सर्व उपक्रमांची माहिती विद्यार्थ्यांना दिली. डॉ. गजानन भामरे यांनी कुसुमाग्रज यांच्या कवितांचे अभिवाचन केले. डॉ. सपना सोनवणे यांनी विद्यार्थ्यांना मार्गदर्शन केले. प्रा. वर्षा अहिरे यांनी मार्गदर्शन केले. एमए मराठी विद्यार्थी यांनी ग्रंथपाल यांच्याशी विविध प्रश्नांवर चर्चा करत स्मारकाविषयी माहिती जाणून घेतली.



नाशिक येथील कुसुमाग्रज स्मारक येथे भेट दिल्यानंतर मसगा महाविद्यालय मराठी विभागाचे विद्यार्थी व शिक्षक.

**प्रमुख**

मराठी विभाग  
म.स.गा. महाविद्यालय  
मालेगांव कॅम्प (नाशिक)



# दैनिक बालेकिल्ला

## मसगा महाविद्यालय मराठी विभागाची कुसुमाग्रज स्मारक व परिसर क्षेत्र भेट



मालेगाव: येथील मसगा महाविद्यालयातील मराठी विभागातर्फे एम.ए.मराठी विद्यार्थ्यांची क्षेत्रभेट कुसुमाग्रज स्मारक व नाशिकच्या परिसरात संपन्न झाली. यावेळी अंबकेश्वर येथील ज्योतिर्लिंग दर्शन, निवृत्तीनाथांचे समार्थी दर्शन, गोदावरी कुंडासह, स्वामी समर्थ केंद्र दर्शन घेऊन नाशिकच्या कुसुमाग्रज प्रतिष्ठानमध्ये भेट देऊन कवीवर्य तात्यासाहेब शिरवाडकर यांच्या बँटक दालनासह भेट देऊन वाचनालयाची माहिती जाणून

घेतली. मराठी विभागाचे प्रमुख डॉ. अर्जुन नेरकर यांनी कुसुमाग्रज प्रतिष्ठानच्या सर्व उपक्रमांची माहिती यावेळी विद्यार्थ्यांना दिली. कुसुमाग्रज स्मारकात भेट देऊन समृद्ध वाचनालयात तात्यासाहेब यांची ग्रंथसंपदा, चित्र प्रदर्शन व कविता पाहता आल्या. डॉ. गजानन भापरे यांनी कुसुमाग्रज यांच्या कवितांचे अभिवाचन केले. मराठी कविता व कुसुमाग्रज या विषयावर डॉ. सपना सोनवणे यांनी विद्यार्थ्यांना मार्गदर्शन केले. प्रा.वर्षा अहिरे

क्षेत्र भेटोच्या आयोजनाची भूमिका मांडून मराठी कविता व साहित्यिक परंपरा नाशिकला किती महत्त्व आहे याबद्दल मार्गदर्शन केले. एम.ए. मराठी विद्यार्थी यांनी ग्रंथपाल यांना विविध प्रश्नांवर चर्चा करत स्मारकाच्या बाबी जाणून घेतल्या.

या क्षेत्रभेटीसाठी मराठी संशोधन केंद्र प्रमुख डॉ. अरूण पाटील, डॉ. विनोद गोरवाडकर, प्रा.उज्वला अहिरे यांचे मार्गदर्शन लाभले.



प्रमुख

मराठी विभाग  
म.स.गा. महाविद्यालय  
मालेगांव कॅम्प (नाशिक)



नाशिक : येथील कुसुमाग्रज स्मारक भेटीप्रसंगी मसगा  
महाविद्यालय मराठी विभागाचे विद्यार्थी व शिक्षक.

## मसगा महाविद्यालय मराठी विभागाची कुसुमाग्रज स्मारकास भेट

मालेगाव : येथील मसगा महाविद्यालयातील मराठी विभागातर्फे एम. ए. मराठी विद्यार्थ्यांची क्षेत्रभेट कुसुमाग्रज स्मारक व नाशिकच्या परिसरात झाली. यावेळी त्र्यंबकेश्वर येथील ज्योतिर्लिंग दर्शन, संतश्रेष्ठ निवृत्तिनाथांचे समाधी दर्शन, गोदावरी कुंडासह, स्वामी समर्थ केंद्र दर्शन घेऊन नाशिकच्या कुसुमाग्रज प्रतिष्ठानमध्ये भेट देऊन कविवर्य तात्यासाहेब शिरवाडकर यांच्या बैठक दालनास भेट देऊन वाचनालयाची माहिती जाणून घेतली. मराठी विभागाचे प्रमुख डॉ. अर्जुन नेरकर यांनी कुसुमाग्रज प्रतिष्ठानच्या सर्व उपक्रमांची माहिती यावेळी विद्यार्थ्यांना दिली. कुसुमाग्रज स्मारकात भेट देऊन समृद्ध वाचनालयात तात्यासाहेब यांची ग्रंथसंपदा, चित्र प्रदर्शन व कविता पाहता आल्या. डॉ. गजानन भामरे यांनी कुसुमाग्रज यांच्या कवितांचे अभिवाचन केले. मराठी कविता व कुसुमाग्रज या विषयावर डॉ. सपना सोनवणे यांनी विद्यार्थ्यांना मार्गदर्शन केले. प्रा. वर्षा अहिरे क्षेत्र भेटीच्या आयोजनाची भूमिका मांडून मराठी कविता व साहित्यिक परंपरेत नाशिकला किती महत्त्व आहे याबद्दल मार्गदर्शन केले. एम. ए. मराठी विद्यार्थी यांनी ग्रंथपाल यांना विविध प्रश्नांवर चर्चा करत स्मारकाच्या बाबी जाणून घेतल्या. या क्षेत्रभेटीसाठी मराठी संशोधन केंद्र प्रमुख डॉ. अरुण पाटील, डॉ. विनोद गोरवाडकर, प्रा. उज्ज्वला अहिरे यांचे मार्गदर्शन लाभले.

AN

प्रमुख

मराठी विभाग  
म.स.ग. महाविद्यालय  
जालेगाव केंद्र (नाशिक)

## मसगा कॉलेज मराठी विभागाची कुसुमाग्रज स्मारक व परिसर क्षेत्र भेट

मालेगाव । येथील 'मसगा' महाविद्यालयातील मराठी विभागातर्फे एम. ए. मराठी विद्यार्थ्यांची क्षेत्रभेट कुसुमाग्रज स्मारक व नाशिकच्या परिसरात संपन्न झाली. यावेळी त्र्यंबकेश्वर येथील ज्योतिर्लिंग दर्शन, निवृत्तीनाथांचे समाधी दर्शन, गोदावरी कुंडासह, स्वामी समर्थ केंद्र दर्शन घेऊन नाशिकच्या कुसुमाग्रज प्रतिष्ठानमध्ये भेट देऊन कवीवर्य तात्यासाहेब शिरवाडकर यांच्या बैठक दालनासह भेट देऊन वाचनालयाची माहिती जाणून घेतली. मराठी विभागाचे प्रमुख डॉ. अर्जुन नेरकर यांनी कुसुमाग्रज प्रतिष्ठानच्या सर्व उपक्रमांची माहिती यावेळी विद्यार्थ्यांना दिली. कुसुमाग्रज स्मारकात भेट देऊन समृद्ध वाचनालयात तात्यासाहेब यांची

ग्रंथसंपदा, चित्र प्रदर्शन व कविता पाहता आल्या. डॉ. गजानन भामरे यांनी कुसुमाग्रज यांच्या कवितांचे अभिवाचन केले.



मराठी कविता व कुसुमाग्रज या विषयावर डॉ. सपना सोनवणे यांनी विद्यार्थ्यांना मार्गदर्शन केले. प्रा. वर्षा अहिरे क्षेत्र भेटीच्या आयोजनाची भूमिका मांडून मराठी कविता व साहित्यिक परंपरा नाशिकला किती महत्त्व आहे

याबद्दल मार्गदर्शन केले. एम. ए. मराठी विद्यार्थ्यांनी यांनी ग्रंथपाल यांना विविध प्रश्नंवर चर्चा करत स्मारकाच्या बाबी जाणून घेतल्या. या क्षेत्रभेटीसाठी मराठी संशोधन केंद्र प्रमुख डॉ. अरुण पाटील, डॉ. विनोद गोरवाडकर, प्रा. उज्वला अहिरे यांचे मार्गदर्शन लाभले.

## कुसुमाग्रज स्मारकाला 'मसगा'ची भेट

मालेगाव शहर, ता. ११ : येथील 'मसगा' महाविद्यालयातील मराठी विभागातर्फे एम. ए. मराठी विद्यार्थ्यांची क्षेत्रभेट कुसुमाग्रज स्मारक व नाशिकच्या परिसरात पार पडली.

यावेळी त्र्यंबकेश्वर येथील ज्योतिर्लिंग दर्शन, निवृत्तीनाथांचे समाधी दर्शन, रामतीर्थासह, स्वामी समर्थ केंद्राचे दर्शन घेऊन नाशिकच्या

कुसुमाग्रज प्रतिष्ठानमध्ये भेट देऊन कवी तात्यासाहेब शिरवाडकर यांच्या बैठक दालन व वाचनालयाची माहिती जाणून घेतली. मराठी विभागप्रमुख डॉ. अर्जुन नेरकर यांनी कुसुमाग्रज प्रतिष्ठानच्या उपक्रमांची माहिती विद्यार्थ्यांना दिली. समृद्ध वाचनालयात कविता वाचन करण्यात आले. डॉ. गजानन भामरे यांनी कवितांचे अभिवाचन केले.

प्रमुख  
मराठी विभाग  
म.स.गा. महाविद्यालय  
मालेगाव कॅम्प (नाशिक)

1)	राम कृष्ण शाहरे	M.A. 1 <sup>st</sup>	7020127660	Alisee
2)	प्राची नानाजी आहरे	M.A.I.	7447518119	@Ahire
3)	कैमल बाबासाहेब रंगधीर	M. II	9359261564	<del>Alisee</del>
4)	मुन्नाबाब विठ्ठल कदम	M.A. II	9860567386	Alisee
5)	प्रगती शंतनु माळी	M.A.I	9699070125	Pragati
6)	सोनवणे भायभी मोहन	M.A.I	9421787461	Bhambhani
7)	कुचवे ज्योती हादाजी	M.A.I	8080756488	Devi
8)	रिपोले निकिता विनोद	M.A.I	9356671382	Ripote
9)	कापडगीस निकिता हानेश्वर	M.A.I	9172966940	N. Dhanesh
10)	सोनवणे माया रघुनाथ	M.A.I	7378414614	Mhoni
11)	पवार जयभी प्रकाश	M.A.I	7744961001	Pawar
12)	पवार वैशाखी आगाजी	M.A.I	9021640085	<del>Alisee</del>
13)	अनसरा शकील अनसारी	M.A.I	7249230035	Aj
14)	दिवर खिनाथ हसन	M.A.I	7387271876	Sahivare
15)	पवार माधुरी संतोष	M.A.I	9172690862	M.Pawar
16)	चव्हाण निकिता हनु	M.A.I	9870246779	Neharvan
17)	हिरें गायत्री संजीव	M.A-I	7498575610	Ushire
18)	भाकरसाह वेणोवी जेश्वर	M.A.I	9623118746	Verab
19)	पूरदेशी पंकज रमेशसाहेब	M.A.II	9767109184	P.B. Pureshi
20)	मोरे मुकेश सुभाष	M.A.II	7875325455	Mohre
21)	रावळ विशाल राजाराम	M.A-II	8956187202	Vishal
22)	गायकवाड मनीष राजेंद्र	M.A-II	7770049621	@Mish
23)	पाटील दिनेश मनोहर	M.A. 1 <sup>st</sup>	7767072040	D.P. Patil
24)	निकम लक्ष्मण रामन	M.A. 1 <sup>st</sup>	7499510968	Rikam
25)	चव्हाण गिरीश कृष्णसाहेब	M.A-I	8830039327	Chavan
26)	साळुंके अनय केशव	M.A. I	7090153921	Salunke
27)	सोनवणे मधुरा सुरेश	M.A. II	9370982482	Sonwane
28)	खेडकर गथा विजय	M.A. II	7841975374	Khedkar

29	>	सु. ए. ए. ए. ए.	जिशाान अमी	M. A. II	<u>Subh</u>
30	>	नाबोका	इहरान खलीम	M. A. II	<u>Amran</u>
31		प्रगती	मध्य वाद्य	M. A. II	<u>Subh</u>



*(Signature)*  
**प्रमुख**  
मराठी विभाग  
म.स.गा. महाविद्यालय  
मालेगांव कॅम्प (नाशिक)

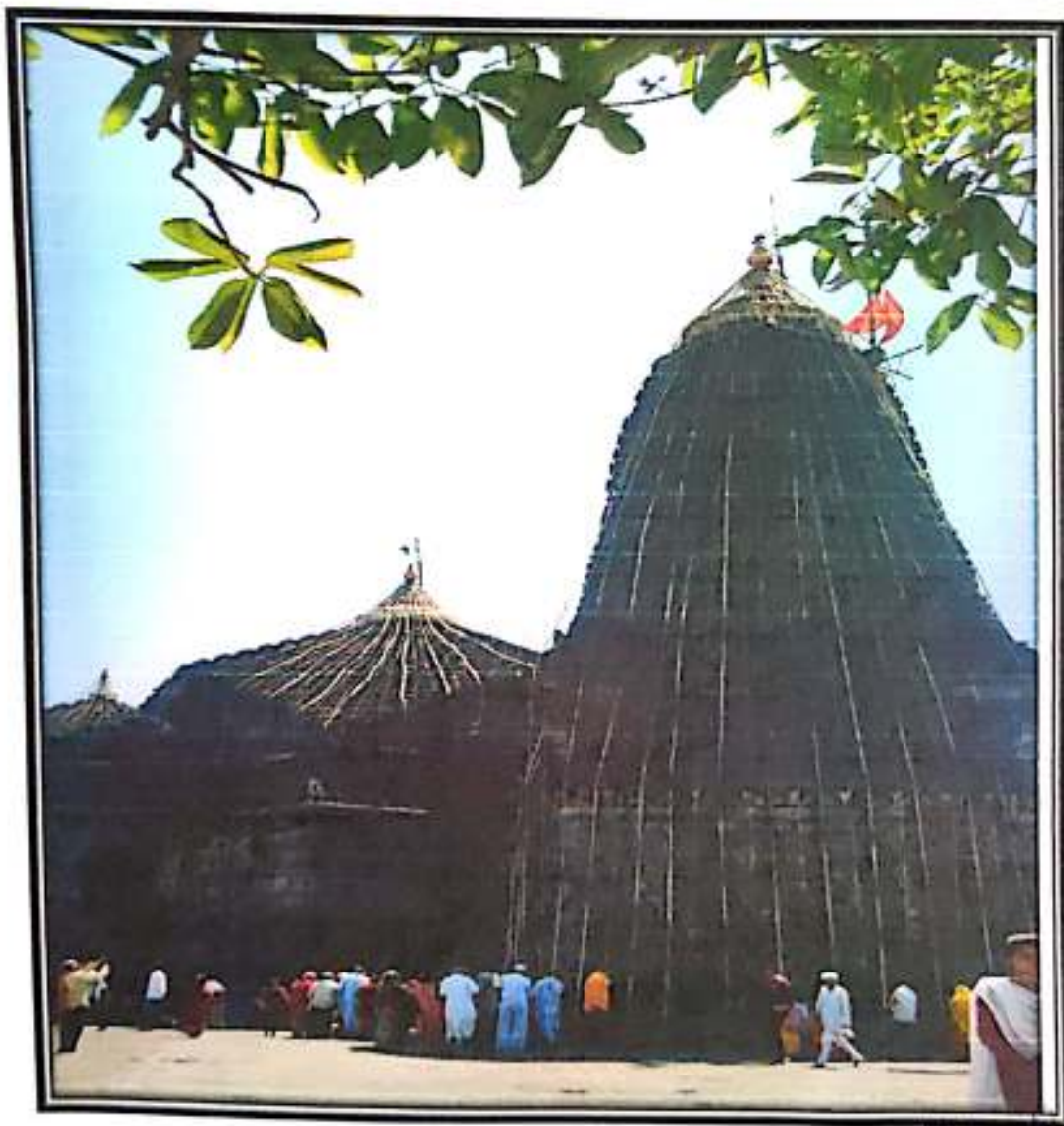
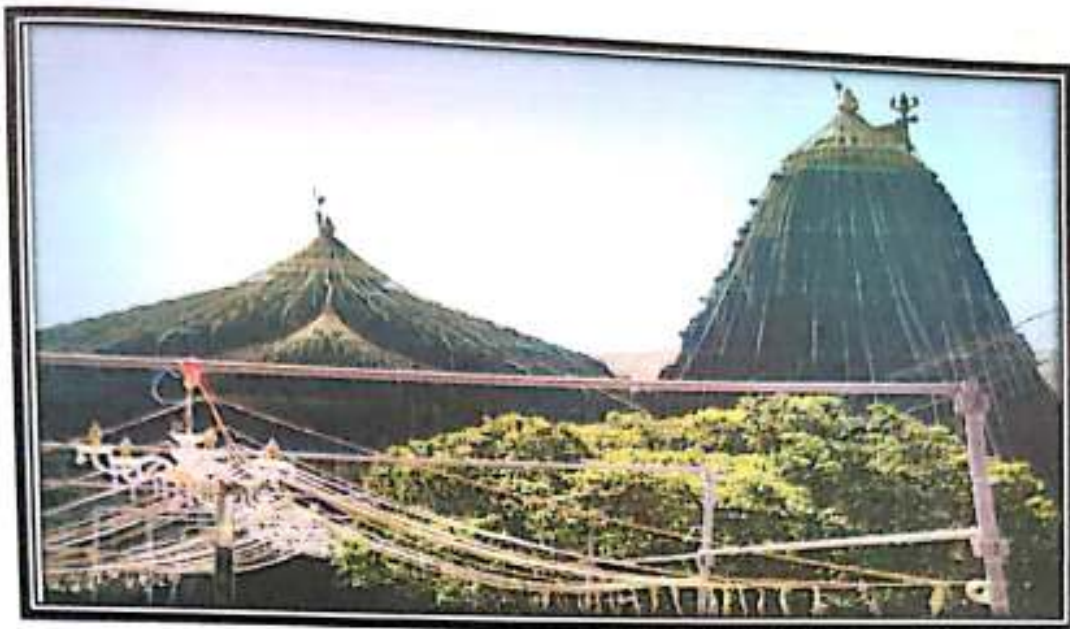


  
प्रमुख  
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मालोगांव कॅम्प (नाशिक)



  
प्रमुख  
मराठी विभाग  
म.स.गा. महाविद्यालय  
मालेगांव कॅम्प (नाशिक)





(AN)  
प्रमुख  
मराठी विभाग  
म.रा.या. महाविद्यालय  
मालोबांबे कॅम्प (नाशिक)

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नाव : आवसार वैष्णवी ईश्वर

काॅलेजचे नाव : महाराजा सभाजीराव  
गाथकवास काॅलेज  
वर्ग : MA-I मराठी

रोल नं :

विषय : OJT व्यावसायिक प्रशिक्षण

प्रकल्प मार्गदर्शकिये नाव : विनोद गोस्वाडकर

शैक्षणिक वर्ष : 2023-24

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व्यावसायिक प्रशिक्षण या विद्यार्जनतंत्र मी  
अंगणवाडी येथे वीस दिवस रोज व ने ॥  
शक्तिने काम करणार आहे.

या वीस दिवसात मी 'मासी  
अंगणवाडी वोलकी अंगणवाडी' अशी  
करणार आहे.

**प्रस्तावना** : मी माझ्या छोट्याशा बालकां-  
चा सर्वांगीण विकास करून घेईल या  
कडे लक्ष केंद्रित करून ही छोटी बालके  
अंगणवाडीत समान वाढवित त्यांना  
आनंद मिळावा त्यांचा कल्पना शक्तीला  
वाच मिळावा त्यांचा भाषा विकास वाढवा  
बालकांची अंगणवाडीत पूर्वशालेय शिक्षणाची  
तयारी ही चांगली झाली पाहिजे त्यांचा  
पाया भक्कम झाला पाहिजे परि-दप्तर  
विना उठे हे वयोगटाची बालके अंगणवाडी आनंद  
ने शिकला पाहिजे पुढे प्राथमिक शक्ति ही  
शिकला पाहिजे या हेतूने मी मासी अंगण-  
वाडी वोलकी अंगणवाडी अशी करणार आहे.

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व्यावसायिक प्रशिक्षण या विषयाअंतर्गत  
आज अंगणवाडी नील माझा पहिला दिवस.

आज मी अंगणवाडीत गेले तेथे  
मुलांची उपस्थिती खुपच कमी होती मग  
मी अंगणवाडीतील सेवीक व मदननीस  
थाना काही माझ्या नवोपक्रमावयल माहि-  
ती दिली आणि त्या नवोपक्रमचे नाव  
शांगिनचे ते म्हणजे 'माझी अंगणवाडी  
खोली' अंगणवाडी आणि त्यापन माझ्या  
नवोपक्रमात सहभागी साख्या त्यांना पण  
माझ्या नवोपक्रमावयल माहिती दिली.  
त्यांना मी खोली की या  
नवोपक्रमातुन मुलांची उपस्थिती पण  
वाढिल आणि मुलांन मध्ये आवड पण  
निमगि देखिल. मग दुसऱ्या दिवसा पासुन  
आम्ही या नवोपक्रमाला खुश्वति ठरव्या-  
चे ठरवले.

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व्यावसायिक प्रशिक्षण या विषयाअतर्गत  
ज्ञान अंगणवाडीतील वीसावा दिवस.

मी ज्ञान अंगणवाडीत गेली  
नंतर अंगणवाडीची साफसफाई केली  
मुलांना बोलवायला गेली नंतर त्यांना  
बसायला चटई टाकली मुले बसली  
नंतर त्यांना बाराखडी म्हणायला लावली  
त्यानंतर लले वाचायला लावले त्यांनी  
घरून ज्ञानलेले खाऊ खाऊला लावला  
अंगणवाडीच्या मॅडम सोबत  
ग्रामपंचायत मध्ये गेली नंतर मुलांना  
गाने गोवटी म्हणून दाखवल्या नंतर  
त्यांना म्हणायला लावल्या खिचडी  
केली सादु मारला मुलांना खेळ  
खेळायला लावला जो जिंकला त्याला  
बक्षीस दिले त्यानंतर खिचडी दिली  
आणि मुलांना चरि सोडायला गेली  
ज्ञान मी अश्या पध्दतीने काम केले

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## संक्षेप :-

व्यावसायिक प्रशिक्षण या विषयाजतर्गत अंगठवाडीत वीस दिवस मी चांगल्या पध्दतीने काम केले बालकांच्या सर्वांगीण विकासाच्या दृष्टीने मला जे उपयुक्त वाटले ते मी या वीस दिवसात बालकान पर्यंत पोचवण्याचा प्रयत्न केला मी या वीस दिवसात स्वतःला सिद्ध करू शकले .

या वीस दिवसात मला मातृदशिके ठरलेले रीतिनी सीनवणे व नमूना आदि तसेच मदत करणारे पालक वर्ग या सर्वांचे मनपूर्वक आभार .

या वीस दिवसात मला मोलाची साथ देणारी दररोज नित्य निश्चयाने अंगठवाडीत येणारे हि छोटी निरागस बालके आणि पालक यांच्यामुळेच या वीस दिवसात साध्य व सिद्ध करू शकले मनरबी आभार !

धन्यवाद

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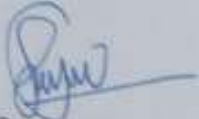
तिथि :-22/4/2023

महात्मा गाँधी विद्यामंदिर संयलित ,  
महाराजा सयाजीराव गायकवाड महाविद्यालय,मालेगांव कॅम्प,जि.नासिक

स्नाकोत्तर हिंदी विभाग

सूचना

स्नाकोत्तर हिंदी विभाग के छात्रों को सूचित किया जाता है कि 28/4/2023 को ठीक  
11.30 बजे कॅम्प सार्वजनिक संचालय को शैलीय भेट देनी है |अतःसमय पर सभी छात्र  
उपस्थित रहे |प्रत्येक छात्रों को आय कार्ड अनिवार्य होगा |

  
विभागाध्यक्ष,  
विभागाध्यक्ष  
हिंदी विभाग  
म.स.गा. महाविद्यालय  
मालेगांव कॅम्प जि. नासिक



दि. 30.4.2023

महात्मा गांधी विद्यामंदिर संचालित,  
महाराजा सयाजीराव गायकवाड महाविद्यालय,मालेगांव कॅम्प,जि.नासिक

स्नाकोत्तर हिंदी विभाग

कॅम्प सार्वजनिक ग्रंथालय

### प्रतिवेदन

स्नाकोत्तर हिंदी विभाग के छात्रों ने मालेगांव कॅम्प सार्वजनिक ग्रंथालय को भेट दी वहां जाकर केंद्र संचालक श्री. भास्कर तिवारी से कॅम्प सार्वजनिक ग्रंथालय कि सारी जानकारी ली। कॅम्प सार्वजनिक ग्रंथालय में हिंदी के साथ साथ मराठी, अंग्रेजी और विविध प्रतिशोधिता के सामान्य ज्ञान की किताबे छात्रों को देखने को मिली। अतः डॉ. व्ही. डी. सुर्यवंशी ने छात्रों को विविध किताबो कि जानकारी दी। साथ ही साथ किताबो कि नंबरिंग कैसे कि जाती है इसकी जानकारी दी।

कॅम्प सार्वजनिक ग्रंथालय केंद्र संचालक श्री. भास्कर तिवारी से तथा अन्य ग्रंथालय सेवको से किताबो के बारे में विस्तार से चर्चा की। इस भेट से प्रभावित होकर छात्रों ने विविध किताबो पढने का निश्चय किया। सुश्री रेखा शेवाले ने छात्रों को हिंदी किताबो से अवगत कराया इस अवसर पर छात्रों बहुत ही प्रसन्नता हुई।

सार्वजनिक ग्रंथालय को भेट देकर छात्रों का उत्साह द्विगुनित हुआ। विभागाध्यक्ष प्रो.अनिता नेरे, शोध निर्देशक डॉ. व्ही.डी.सुर्यवंशी तथा प्रामास्कर खैरनार उपस्थित थे। विभाग के इस उपक्रम को महाविद्यालय के प्राचार्य डॉ. सुभाष निकम, उपप्राचार्य डॉ. डी.के. हलवर, डॉ. टी.एस.सावले एवं अकादमिक पर्यवेक्षक डॉ. प्रवीन पाटिल आदि का मार्गदर्शन मिला।

  
विभागाध्यक्ष  
हिंदी विभाग  
म.स.ग. महाविद्यालय  
मालेगांव कॅम्प जि. नासिक

तिथि :- 28/04/2023

महात्मा गांधी विद्यामंदिर संचलित  
महाराजा सयाजीराव गायकवाड महाविद्यालय,मालेगाव कॅम्प,जि. नाशिक  
तृतीय वर्ष साहित्य -षष्ठ अयन  
Field Visit (क्षेत्रीय भेट )  
छात्रों की उपस्थिति (सार्वजनिक कॅम्प वाचनालय )

Sr.No.	Roll No.	Students Name	Class	Signature
1.	117	Ahire Bhagyashree Bantu	TYBA	Bhairy
2.	295	Aqsa Tahreem	TYBA	Aqsa
3.		Abdul Raheem	TYBA	
4.	196	Mo. Nadeem Majeed. Ah	TYBA	Nadeem
5.		!	TYBA	

  
विभागाध्यक्ष,  
विभागाध्यक्ष  
हिंदी विभाग  
म.स. गा. महाविद्यालय  
मालेगाव कॅम्प जि. नाशिक

दिनांक - 28/04/2023

महात्मा गांधी विद्यामंदिर संघलित  
महाराजा सयाजीराव गायकवाड महाविद्यालय, मालेगाव कैंम्प, जि. नाशिक  
द्वितीय वर्ष साहित्य -चतुर्थ अयन  
Field Visit (क्षेत्रीय भेट )  
छात्रों की उपस्थिति (सार्वजनिक कैंम्प वाचनालय )

Sr.No.	Roll No.	Students Name	Class	Signature
1.	53	Urnati Pandit Jadhav	SYBA	Urnati
2.	12	Divya Subhash Parmar	SYBA	Divya
3.	171	Rana Harshul Rajendra	SYBA	Harshul
4.	270	Janhvi Ashok Amrutkar	SYBA	Janhvi
5.	69	Borate Anuraj Vijay	SYBA	Anuraj
6.	331	Chhajare Nikita Nilesh	SYBA	Nikita
7.	227	Krishna Pravin Kumar	SYBA	Krishna
8.	205	Mahesh Pravin Senarath	SYBA	Mahesh
9.	317	Nitin Sunil Jadhav	SYBA	Nitin
10.	508	Sumit Prubir Senarath	SYBA	Sumit
11.		Pravali Pravin Ramdas	SYBA	Pravali
12.	506	Sandip Rajendra Dalvi	SYBA	Sandip
13.		Sejal Shree Salawale	SYBA	Sejal
14.		Mansi Ratan Ashraf	SYBA	Mansi
15.	105	Lina Subhas Parmar	SYBA	Lina
16.	241	Jadhav Gajendra Meham	SYBA	Jadhav
17.	176	Ashwini Nagesh Baburao	SYBA	Ashwini
18.	25	Tejas Ashok Chavhan	SYBA	Tejas
19.	55	Karan Sunil Ahire	SYBA	Karan
20.	251	Kem Dnyaneshwar Phukan	SYBA	Kem
21.	121	Pravin Sadashiva Xantda	SYBA	Pravin
22.	289	Randhir Mandakini Ksh	SYBA	Randhir
23.	177	Shriyanshi Anuraj Khatke	SYBA	Shriyanshi
24.			SYBA	

प्लेज

विद्यामंदिर संघलित  
हिंदी विभाग  
म. स. ग. महाविद्यालय  
मालेगाव कैंम्प जि. नाशिक



Founder



Kamaveer Bhausaheb Hiray

Mahatma Gandhi Vidyamandir's  
**MAHARAJA SAYAJIRAO GAIKWAD**  
**Arts, Science & Commerce College**

• e-mail : msgcollege@rediffmail.com prin.msgcollege@mgvnsaik.org

Affiliated to Pune University Id. No. PU/NS/ASC/004 (1959)

जावक क्र.

दिनांक: 28.04.2023

प्रति.-

मा. ग्रंथपाल,

कैप सार्वजनिक वाचनालय,

ज्ञानेश्वर माऊली उद्यान, गायत्री नगर, मालेगाव कैप (नासिक) 423105

विषय: ग्रंथालय को भेंट देने हेतु...

महोदय,

उपरोक्त विषय के अनुसार हमारे महाविद्यालय के हिंदी विभाग के द्वितीय एवं तृतीय वर्ष के छात्र आपके ग्रंथालय को क्षेत्रिय भेंट के लिए आना चाहते हैं। अतः आपसे अनुरोध है कि हमें अनुमति देकर सहयोग करें।

स-धन्यवादा

प्रमुख,

म. व. ग. कला, वाणिज्य व विज्ञान  
महाविद्यालय, मालेगाव कैप (नासिक)

OC



# कॅम्प सार्वजनिक वाचनालय

शासनमान्य 'अ' वर्ग  
(नेटिव्ह जनरल लायब्ररी, मूळ स्थापना १८५३ लष्कर)  
ब्रह्मदेव एसेम जोशी गौरव हॉल, ज्ञानेश्वर माऊली उद्यान,  
गायत्री नगर, मालेगाव कॅम्प - ४२३ १०५



रजि.नं. महा ५७३ नाशिक  
पुनर्स्थापना २ ऑक्टोबर १९७९  
ट्रस्ट नं. एक/५२४/नाशिक

श्री. प्रकाश पहाडे  
कार्याध्यक्ष  
मो.: ९४२२२७०६९४  
श्री. रमेश उचित  
उपाध्यक्ष  
मो.: ९४२२२७१३३६  
डॉ.सौ.कल्पना करवा  
कोषाध्यक्ष  
मो.: ९४२२७५५५२१  
श्री. किशोर शिंदे  
सहसचिव  
मो.: ७५८८०९५८८८

संचालक मंडळ  
डॉ. महेश तेलरांघे  
डॉ. तुषार झांबरे  
डॉ.दिलीप भामरे  
श्री. अमोल दुसाने  
अॅड. राजेंद्र भामरे  
प्राचार्य डॉ. दिनेश शिंदे  
डॉ.सचिन ठाकरे  
श्री. पोपटराव देशमुख  
श्री. विवेक पाटील  
श्री. जगदिश वैष्णव  
सौ.प्रतिभा बोरसे  
सौ. प्रेरणा पंडीत  
अॅड.हर्षद तिवारी  
श्री. विनोद चव्हाण  
डॉ. अक्षय पवार  
प्रा. दीपक आशिरे

सौ. रेखा शेवाळे (उगले)  
ग्रंथपाल  
मो.: ९९७५९०६६५७

दि. ८/०५/२०२३  
जा. ६८/०५/२०२२-२३

प्रति,  
मा. प्राचार्य  
म.स.शा.कला, वाणिज्य व विज्ञान  
महाविद्यालय, मालेगाव कॅम्प.

सुप्रम नमस्कार  
महोदय,

आपल्या महाविद्यालयातील वरिष्ठ  
महाविद्यालयातील विद्यार्थी व प्राध्यापक  
सोनी आमच्या ग्रंथालयात भेट दिवता.  
ग्रंथ वाचन, शोध विभाग, यांचे अवलोकन  
केले. विद्यार्थी ग्रंथालयात आले व  
ग्रंथालयाविषयी माहिती जाणून घेऊन  
यासाठी आम्ही गुमचे व विद्यार्थी आणि  
मि प्राध्यापकांचे आभारी आहोम

आपला विनोद  
ग्रंथपाल

श्री. भास्कर तिवारी  
अध्यक्ष  
मो.: ९४२०६९४७६३

डॉ. विनोद गोर्वाडकर  
सेक्रेटरी  
मो.: ९४२३४७७२७३





Founder



Karmaveer Bhauasaheb Hiray

Mahatma Gandhi Vidyamandir's  
**MAHARAJA SAYAJIRAO GAIKWAD**  
**Arts, Science & Commerce College**

• e-mail : msgcollege@rediffmail.com prin.msgcollege@mgvnsaik.org

Affiliated to Pune University Id. No. PU/NS/ASC/004 (1959)

दि . 09 मार्च ,2023

प्रति ,

मा शाखा प्रबंधक

90.4 एफ एम, मालेगाव जि . नाशिक

विषय :- पदवी स्तरावरील हिंदी विभागाच्या विद्यार्थ्यांना आपल्या स्टेशनला  
क्षेत्रीय भेट देणे संदर्भात

महोदय ,

आमच्या महाविद्यालयातील हिंदी विभागाच्या पदवी स्तरावरील विद्यार्थ्यांना आपल्या सुप्रसिद्ध  
90.4 एफएम स्टेशनला दि.10 मार्च,2023 रोजी सकाळी 10.00 वाजता भेट द्यावयाची आहे  
.तरी त्यांना या भेटी संदर्भात परवानगी देऊन सहकार्य करावे ही नम विनंती .

कळावे,

Shailaka Sakore.

O.C. 

10<sup>th</sup> March 2023



प्राचार्य

म.स.ग. कला, वाणिज्य व विज्ञान  
महाविद्यालय, मालेगाव कॅम्प (नाशिक)



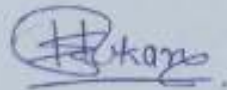


महात्मा गांधी विद्यामंदिर संचालित ,  
महाराजा सयाजीराव गायकवाड महाविद्यालय,मालेगाव कैंम्प,जि नासिक  
हिंदी विभाग आयोजित क्षेत्रीय भेट (तृतीय वर्ष साहित्य)  
स्थल :- 90.4 एफएम,मालेगाव तिथि :- 10 मार्च,2023

छात्रों की उपस्थिति

रोल नंबर	छात्र का नाम	कक्षा	मोबाइल नंबर	हस्ताक्षर
296	Mohammed Nabeem	T.Y.B.A	8766484318	Mohammed
295	Aysha Tahreem	T.Y.B.A	3058176580	Aysha
117	A Bhagyashree Abire	T.Y.B.A	9158529341	Abire
	Kranti PanPutil	T.Y.B.A	9146839965	Kranti

Shailaka H. Sakore .



90.4 FM Radio Most .  
Malegaon .

10<sup>th</sup> March 2023 .

  
विभागाध्यक्ष  
हिंदी विभाग  
म.स.ग. महाविद्यालय  
मालेगांव कैंम्प जि. नासिक



A PROJECT REPORT ON

*Blockchain-Based Voting System*

AT

*M. S. G. College, Malegaon Camp*

Completed By

Shewale Ishwari Haridas

&

Bhosale Amruta Kailas

Submitted In Partial Fulfillment

of

M. G. VIDYAMANDIR'S

MAHARAJA SAYAJIRAO GAIKWAD ARTS COMMERCE AND  
SCIENCE COLLEGE

DEPARTMENT OF COMPUTER SCIENCE



PUNE UNIVERSITY

2023-2024

A PROJECT REPORT ON  
*Blockchain-Based Voting System*

AT

*M. S. G. College, Malegaon Camp*

Completed By

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SCIENCE COLLEGE

DEPARTMENT OF COMPUTER SCIENCE



PUNE UNIVERSITY

2023-2024



Mahatma Gandhi Vidyanand's

# Maharaja Sayajirao Gaikwad ARTS, SCIENCE & COMMERCE COLLEGE

Affiliated to Pune University No. PUN/ASC/004 (1959)  
Loknete Vyankatrao Hiray Marg, Malegaon camp - 423 105 (Nashik)  
Phone: Office (02554) 252077 Fax 251705 Res: 252785

Founder



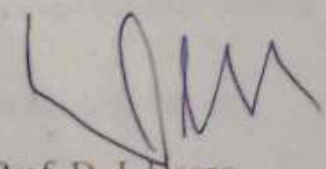
NAAC Accredited with B++ Grade


## CERTIFICATE

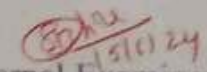
This is to certify that *Shewale Ishwari Haridas & Bhosale Amruta Kailas* have completed their project on "*Blockchain-Based Voting System*" satisfactorily in partial fulfillment of class *M. Sc. (Comp. Sci. Sem IV)*, a Post Graduate Degree course affiliated to the University of Pune for the academic year 2023-2024.

This is also to certify that *Shewale Ishwari Haridas & Bhosale Amruta Kailas* have completed their project on "*Blockchain-Based Voting System*" satisfactorily for our college.

  
Project Guide

  
Prof. D. J. Deore

  
Internal Examiner

  
External Examiner

# NEW HORIZON GLOBAL EXPORTS

DEVELOPING SOFTWARE, DELIVERING TRUST

Plot No. 21, Survey No. 7/1, Khansaheb Bungalow Area, Malegaon, Maharashtra 423203

**Web :** www.nhgexports.com

**Email :** support@nhgexports.com

**Phone :** +91-742-007-5353

**GST:** 27AJRPT0087C1ZX

## OFFER LETTER

December 28th, 2023

Ms. Amruta Kailas Bhosale

Swami Vivekanand Colony

Satana Naka, Malegaon 423103

Dear Amruta,

I hope this message finds you well. I am writing with reference to your interview with us on December 20th, 2023.

It is our pleasure to inform you that, upon assessment, we have found your skills and competencies to match our requirements. Accordingly, we are delighted to offer you an opportunity to join our company for a period of 5 months. During this time, you will be designated as an IT Trainee.

Further details and the scope of your project will be provided to you on your first day at the company. Upon successful completion of your training, you will be issued a certificate by New Horizon Global Exports. Additionally, you will be required to submit a detailed project report before the conclusion of your training.

Your training period with our company will involve working with important and sensitive information, records, and other matters of the company. Therefore, you will be required to sign a code of conduct and secrecy agreement on the first day of training.

Please sign the enclosed copy of this letter to indicate your acceptance of the above terms and conditions of this offer and return it to us at your earliest convenience.

We look forward to welcoming you to our team.

Best Regards,

**New Horizon Global Exports**

**Proprietor**





# CERTIFICATE

## OF TRAINING AND COMPLETION

This is to certify that

*Amruta Bhosale*

---

a student of the Department of Computer Science,  
M.S.G. College, Malegaon, has successfully  
completed industrial training at

**NEW HORIZON GLOBAL EXPORTS**

from January 1, 2024, to May 31, 2024.

In recognition of her dedication and hard work, we  
present this certificate with our best wishes for her  
future endeavors.

New Horizon Global Exports

*J. Shinde*  
Proprietor

June 1st, 2024



## Acknowledgment

We would like to express our deepest gratitude to everyone who has contributed to the successful completion of our project, the Blockchain-Based Voting System.

First and foremost, we extend our heartfelt thanks to our Principal, **Prof. Dighavkar**, for making all the necessary facilities available to us. His unwavering support and encouragement have been instrumental in the realization of this project.

We are immensely grateful to the Head of the Computer Science Department, **Prof. D.J. Deore**, for his invaluable guidance and continuous support throughout the project. His insights and expertise have greatly enhanced our understanding and execution of the project.

Our sincere appreciation goes to all the teaching and non-teaching staff of the Computer Science Department. Their assistance and encouragement have been a constant source of motivation for us.

We would also like to acknowledge the team members of **New Horizon Global Exports** for providing us with thorough technical guidance and support. Their expertise and willingness to help were crucial in overcoming many technical challenges we faced during the project.

Additionally, we are thankful to our friends and family members for their unwavering support and encouragement. Their belief in our abilities has been a driving force behind our efforts.

This project would not have been possible without the contributions of all these wonderful individuals. We are deeply indebted to each one of them for their support and guidance.

## 1. Introduction

The Blockchain-Based Voting System represents a transformative approach to traditional voting methodologies by integrating blockchain technology into the electoral process. This innovative system aims to address longstanding challenges such as security vulnerabilities, lack of transparency, and potential for manipulation inherent in conventional voting systems. By leveraging the inherent characteristics of blockchain, including decentralization, transparency, and immutability, the system ensures a secure and trustworthy voting environment.

### **Introduction to Blockchain-Based Voting:**

The Blockchain-Based Voting System is a novel application of blockchain technology in the domain of elections and voting. It introduces a decentralized ledger where each transaction (vote) is recorded securely and transparently, thereby minimizing the risk of fraud or manipulation. Through the utilization of smart contracts, the system enforces predefined rules and conditions governing the voting process, ensuring fairness and integrity.

### **Objectives of the Project:**

The primary objective of the project is to develop a robust and transparent voting system that addresses the shortcomings of traditional methods. Key objectives include:

- Enhancing the security and integrity of the voting process through blockchain technology.
- Providing a user-friendly interface for both election administrators and voters.
- Ensuring transparency and auditability of the voting process.
- Streamlining the vote counting and result verification procedures.

### **Advantages of Blockchain-Based Voting:**

The adoption of blockchain technology in the voting process offers several advantages over traditional methods:

- **Security:** Blockchain's decentralized and tamper-resistant nature ensures the security and integrity of voting data.
- **Transparency:** All transactions on the blockchain are transparent and publicly accessible, providing greater transparency in the voting process.
- **Immutability:** Once recorded on the blockchain, votes cannot be altered or deleted, enhancing trust in the accuracy of results.
- **Accessibility:** Blockchain-based voting systems can be accessed from anywhere with an internet connection, increasing accessibility for voters.
- **Efficiency:** Automation of processes such as voter verification and result tabulation reduces the time and resources required for conducting elections.

## 1.1 Company Profile

**Name:** New Horizon Global Exports

**Slogan:** Developing Software, Delivering Trust

### **Vision:**

At New Horizon Global Exports, our vision is to be a pioneering force in the digital realm, driving innovation and empowering businesses worldwide through transformative technologies. We aspire to create a future where technology serves as an enabler of progress, fostering transparency, efficiency, and inclusivity across all sectors.

### **Mission:**

Our mission is to deliver unparalleled software solutions that exceed the expectations of our clients, enabling them to achieve their goals and stay ahead in an ever-evolving landscape. We are dedicated to leveraging our expertise in emerging technologies to develop scalable, secure, and sustainable solutions that address the complex challenges of today and anticipate the needs of tomorrow. Through collaboration, integrity, and a relentless pursuit of excellence, we are committed to building long-lasting partnerships and making a positive impact on the world.

### **About Us:**

New Horizon Global Exports is a leading software development company specializing in cutting-edge technologies. With a focus on innovation and reliability, we provide bespoke solutions in various domains including DAP (Decentralized Autonomous Platforms), Blockchain applications, and a wide array of software services. Our commitment to excellence and customer satisfaction drives us to deliver top-notch products tailored to meet the unique needs of our clients.

### **Specializations:**

Our expertise lies in harnessing the power of emerging technologies to craft scalable and efficient solutions. We excel in developing decentralized applications (DAP) that leverage blockchain technology, ensuring transparency, security, and efficiency in various business processes. Additionally, we have extensive experience in crafting robust software solutions across diverse industries, catering to the evolving demands of the digital landscape. Our software solutions are exported to clients around the globe, contributing to their growth and success in international markets.



### **Programming Environment:**

Our proficient team is well-versed in a plethora of programming languages and frameworks, enabling us to tackle complex projects with ease. Some of the technologies we proficiently work with include:

- Solidity
- Django
- Truffle Suite
- Python
- TypeScript
- Vue.js
- Kotlin
- SQL
- Firebase
- Angular JS
- JavaScript
- Node.js
- Java
- Web3.js
- React.js
- Laravel
- .NET
- MongoDB
- Ethereum
- JSON

### **What We Offer:**

At New Horizon Global Exports, we offer comprehensive software development services tailored to meet the specific requirements of our clients. Our offerings include:

- Custom software development: Crafting bespoke solutions aligned with your business objectives.
- Blockchain development: Building decentralized applications and blockchain-based solutions to revolutionize various industries.
- Consultation services: Providing expert guidance and insights to help businesses leverage technology effectively.
- Maintenance and support: Ensuring the smooth functioning and optimization of software solutions post-deployment.
- Quality assurance: Rigorous testing and quality control measures to deliver flawless products.

### **Global Delivery of Customized Solutions:**

New Horizon Global Exports has a proven track record of delivering customized software solutions tailored to the specific requirements of clients from diverse geographic locations. Our experience includes successful projects exported to clients in countries such as Scotland, Mauritius, UAE, Oman, Moldova, and Sri Lanka. This global reach underscores our ability to understand and adapt to the unique needs of clients operating in different regions and industries.

### **Expertise and Competence:**

Our proficiency in software development extends beyond borders, reflecting our deep expertise and competence in crafting solutions that address the complex challenges faced by businesses worldwide. With a dedicated team of software professionals possessing diverse skill sets and industry knowledge, we possess the capability to deliver innovative and reliable software solutions that drive business growth and success. Our commitment to excellence, coupled with our extensive experience in international project delivery, ensures that we consistently exceed client expectations and deliver value-added solutions that make a lasting impact.

### **Quality Control:**

Quality is at the core of everything we do. We adhere to stringent quality control processes throughout the development lifecycle to ensure that our solutions meet the highest standards of performance, reliability, and security. Our team conducts thorough testing and validation procedures to identify and address any issues, thereby delivering impeccable products that exceed expectations.

### **Our Team:**

Our strength lies in our team of dedicated professionals who bring a wealth of experience and expertise to the table. With a workforce comprising 18 software professionals, we foster a culture of collaboration, creativity, and continuous learning. Our diverse skill set and collective passion for innovation enable us to tackle even the most challenging projects with confidence and precision.

At New Horizon Global Exports, we are committed to driving digital transformation and empowering businesses to thrive in the dynamic global marketplace. With a relentless focus on excellence and customer satisfaction, we strive to be your trusted partner in technology innovation.

## 1.2 Existing System

Traditional voting systems, whether paper-based or electronic, often suffer from inherent vulnerabilities that undermine the integrity of the electoral process. Paper-based systems are susceptible to various forms of fraud, including ballot stuffing and tampering. Electronic voting systems, while offering convenience, are prone to cybersecurity threats and concerns regarding the verifiability of results.

### Challenges with Existing Systems:

- Security Vulnerabilities: Paper-based systems are vulnerable to physical tampering, while electronic systems face cybersecurity risks.
- Lack of Transparency: Centralized control and lack of visibility into the voting process raise concerns about transparency and accountability.
- Potential for Manipulation: Inherent flaws in the design of traditional systems leave room for manipulation and fraud.
- Trust Issues: Voters may lack trust in the integrity of the electoral process, leading to skepticism and disillusionment.

### Benefits of Transitioning to Blockchain-Based Voting:

The transition to blockchain-based voting systems offers several benefits compared to traditional methods:

- Enhanced Security: Blockchain's cryptographic protocols and decentralized architecture provide robust security against tampering and fraud.
- Transparency and Auditability: All transactions on the blockchain are recorded transparently and can be audited by stakeholders, ensuring trust in the electoral process.
- Accessibility: Blockchain-based voting systems can be accessed remotely, facilitating participation from geographically dispersed voters.
- Efficiency: Automation of processes such as voter verification and result tabulation streamlines the electoral process and reduces administrative overhead.
- Trust and Confidence: By leveraging blockchain technology, voting systems can instill greater trust and confidence among voters, leading to increased participation and legitimacy of outcomes.

## 1.3 System Requirements

The Blockchain-Based Voting System necessitates the following components and functionalities to ensure its effectiveness and reliability:

### **Local Blockchain Setup:**

Utilizing Ganache, a local blockchain environment is established to simulate the functionalities of a decentralized network. This provides a secure and controlled environment for testing and deployment.

### **Smart Contract Deployment:**

A Solidity smart contract is developed to define the rules and conditions of the voting process. This smart contract is deployed on the local blockchain, ensuring that all interactions adhere to predefined rules.

### **Control Panel:**

A desktop application serves as the control panel, allowing election administrators to manage the voting process. This includes functionalities such as starting and ending the ballot, enabling and disabling the voter interface, and generating reports.

### **Voter Interface:**

Another desktop application provides the interface for voters to cast their votes securely. This interface must be user-friendly and accessible to accommodate a diverse range of users.

### **Integration:**

A seamless connection between the control panel and voter interface is established to facilitate real-time interaction and synchronization of data.

### **Security Measures:**

Identity verification methods are implemented to ensure that only eligible voters can participate in the voting process. Additionally, critical functions within the system are password-protected to prevent unauthorized access.

### **Reporting:**

The system generates comprehensive reports, including voting reports and counting reports, to ensure transparency and facilitate auditing.

### Scalability Considerations:

The system should be designed to accommodate a large number of voters and scale seamlessly to handle increased demand during peak voting periods. This requires robust infrastructure and efficient resource management to ensure optimal performance.

## 1.4 Scope of the System

The Blockchain-Based Voting System encompasses a wide range of functionalities and features aimed at revolutionizing the electoral process:

### **Stakeholder Engagement:**

The system caters to various stakeholders involved in the electoral process, including election authorities, voters, and counting authorities. Each stakeholder has specific roles and responsibilities within the system, ensuring accountability and transparency.

### **Enhanced Security and Trust:**

By leveraging blockchain technology, the system enhances the security and trustworthiness of the voting process. Immutable ledger ensures that all transactions are recorded transparently, reducing the risk of fraud or manipulation.

### **Efficient Management:**

The system streamlines the management of the voting process, from ballot initialization to result verification. Automation of tasks reduces the administrative burden on election authorities and minimizes the likelihood of errors or discrepancies.

### **Accessibility and User-Friendliness:**

Both the control panel and voter interface are designed to be user-friendly and accessible, catering to individuals with diverse levels of technological literacy. This ensures inclusivity and maximizes participation in the electoral process.

### **Transparency and Auditability:**

The system prioritizes transparency and auditability, providing stakeholders with real-time access to voting data and comprehensive reports. This fosters trust and confidence in the integrity of the electoral process.

### **Continuous Improvement:**

The system should be designed to accommodate future enhancements and updates to address evolving requirements and emerging challenges in the electoral landscape. This requires a flexible and modular architecture that can adapt to changing needs over time.

## 1.5 Technology Used

The Blockchain-Based Voting System leverages a combination of cutting-edge technologies to achieve its objectives:

### **Blockchain Technology:**

Ganache is utilized to set up a local blockchain environment, providing a secure and controlled platform for testing and deployment. This allows developers to simulate the functionalities of a decentralized network without the need for external infrastructure.

### **Solidity Smart Contract:**

A Solidity smart contract is developed to define the rules and conditions of the voting process. This smart contract is deployed on the local blockchain, ensuring that all interactions adhere to predefined rules and conditions.

### **HTML, CSS, and JavaScript:**

The control panel and voter interface are developed using web technologies such as HTML, CSS, and JavaScript. This enables cross-platform compatibility and allows for the creation of user-friendly and interactive interfaces.

### **Electron Framework:**

The web applications are converted into desktop applications using the Electron framework. This framework facilitates the development of cross-platform desktop applications using web technologies, ensuring seamless integration and accessibility.

### **Web3.js Library:**

The Web3.js library is utilized to interact with the deployed smart contract on the blockchain. This library enables the execution of functions and retrieval of data securely, ensuring the integrity and confidentiality of the voting process.

### **HTML to PDF Conversion Libraries:**

HTML to PDF conversion libraries are employed to generate printable reports for voting and counting results. This allows stakeholders to access and archive voting data in a standardized and easily shareable format.

### **Security Considerations:**

Various security measures are implemented to protect the integrity and confidentiality of voting data, including encryption, password protection, and multi-factor authentication. These measures ensure that only authorized users can access sensitive information and perform critical functions within the system.

### **Scalability and Performance Optimization:**

The system is designed to scale seamlessly to accommodate a large number of users and handle increased demand during peak voting periods. This requires efficient resource management, load balancing, and optimization of database queries to ensure optimal performance under varying conditions.

### **Integration with External Systems:**

The system may need to integrate with external systems such as voter registration databases, identity verification services, and election monitoring platforms. This requires standardized interfaces and protocols to facilitate seamless data exchange and interoperability between different systems.

By integrating these technologies and considerations, the Blockchain-Based Voting System provides a robust, transparent, and user-centric solution for conducting secure and auditable elections.



## 2. Proposed System

The proposed system, a Blockchain-Based Voting System, represents a significant advancement in the realm of electoral processes, combining the principles of blockchain technology with modern voting methodologies to ensure trust, transparency, and security in elections.

### **Introduction:**

In contemporary democracies, the sanctity and fairness of elections are pivotal pillars of governance. However, traditional voting mechanisms have often been plagued by vulnerabilities such as fraudulent activities, manipulation of ballots, and doubts surrounding the transparency of outcomes. To confront these challenges head-on, the proposed Blockchain-Based Voting System emerges as a pioneering solution, harnessing the disruptive potential of blockchain technology to establish an impregnable fortress of security and transparency in the electoral landscape.

### **Overview of Blockchain Technology:**

At the heart of the system lies blockchain technology, a revolutionary concept that underpins digital currencies like Bitcoin and Ethereum. Blockchain operates as a decentralized ledger, where transactions are recorded in a transparent and immutable manner across a network of nodes. Each block in the blockchain contains a cryptographic hash of the previous block, forming an interlinked chain that ensures data integrity and resists tampering. This inherent structure of blockchain bestows upon it the qualities of decentralization, transparency, and tamper-resistance, making it an ideal foundation for applications demanding trust and verifiability, such as voting systems.

## 2.1 Objectives Of The Proposed System

The objectives of the Blockchain-Based Voting System are deeply rooted in the aspiration to overcome the shortcomings of traditional voting paradigms while harnessing the transformative capabilities of blockchain technology.

### **Enhanced Security and Integrity:**

Foremost among these objectives is the enhancement of security and integrity within the electoral process. By leveraging the cryptographic security and immutability of blockchain, the system obviates the risk of malicious interference or alteration of voting data, thereby guaranteeing that each vote cast is faithfully recorded and preserved in perpetuity. This fortified layer of security not only safeguards the sanctity of the electoral process but also instills confidence among stakeholders in the legitimacy of election outcomes.

### **Transparency and Trust:**

In tandem with security, the system endeavors to foster transparency and trust throughout the voting journey. Through the decentralized nature of blockchain, election data becomes publicly accessible and verifiable, affording voters and election observers real-time insights into the progress and integrity of the electoral process. This transparency not only mitigates suspicions of foul play but also empowers citizens with the ability to independently verify the accuracy and fairness of election results, thereby fortifying the foundation of trust upon which democratic governance rests.

### **User-Friendly Interface:**

Another pivotal objective of the system is to furnish users with a seamless and intuitive interface that facilitates effortless engagement with the voting process. The control panel, tailored for election administrators, offers an array of user-friendly tools for orchestrating every facet of the electoral journey, from configuring the smart contract and managing candidate profiles to initiating and concluding ballots, all through an intuitive graphical interface. Simultaneously, the voter interface presents voters with an accessible platform for exercising their franchise, featuring dynamically populated candidate lists, robust identity verification mechanisms, and a streamlined voting experience that upholds the principles of privacy and accessibility.

## 2.2 Feasibility Study

A comprehensive feasibility study has been conducted to evaluate the technical, operational, and economic viability of the Blockchain-Based Voting System.

### **Technical Feasibility:**

The technical feasibility of the system has been empirically validated through rigorous development and deployment processes, culminating in the successful integration of the blockchain-based smart contract with an Electron application. Leveraging the capabilities of Ganache for local blockchain instantiation, coupled with the seamless interoperability afforded by Electron, the system demonstrates robust technical feasibility, with the underlying architecture primed to withstand the rigors of real-world deployment.

### **Operational Feasibility:**

Operationally, the system stands as a paragon of efficiency and reliability, streamlining the electoral process and automating key workflows to minimize administrative overheads and enhance user experience. From ballot initiation to vote tallying, the system offers a suite of intuitive tools that empower election administrators to navigate the complexities of electoral management with ease, while simultaneously delivering a frictionless voting experience for citizens, thereby ensuring operational feasibility across the electoral spectrum.

### **Economic Feasibility:**

From an economic perspective, the system embodies a judicious fusion of cost-effectiveness and long-term sustainability. By leveraging open-source technologies such as Ganache and Electron, the system optimizes development costs without compromising on functionality or scalability. Moreover, the system's potential to streamline administrative processes and curtail operational expenses positions it as a prudent investment, offering a compelling value proposition that extends beyond immediate cost savings to encompass broader societal benefits.

## 2.3 User Requirement

The user requirements for the Blockchain-Based Voting System have been meticulously delineated to address the diverse needs of stakeholders across the electoral spectrum.

### Election Administrators:

For election administrators, the system affords a comprehensive suite of tools and functionalities designed to facilitate seamless management of the electoral process. From the configuration of the smart contract to the administration of candidate profiles and the orchestration of ballots, the control panel offers a user-centric interface that empowers administrators to navigate the intricacies of electoral management with confidence and efficiency.

### Control Panel Operations:

- **Set up Local Blockchain:** Initiate the local blockchain setup using Ganache for testing and deployment purposes.
- **Deploy Smart Contract:** Deploy the smart contract defining the logic and conditions of the voting process onto the local blockchain network.
- **Add Candidates:** Add candidates for the election by inputting their names and relevant information into the system.
- **Initiate Ballot:** Start the voting process by initiating the ballot, enabling voters to cast their votes.
- **Close Ballot:** End the voting process by closing the ballot, preventing further votes from being cast.
- **Enable/Disable Voter Interface:** Control the accessibility of the voter interface by enabling or disabling it as needed during the voting period.
- **Generate Voting Report:** Generate a comprehensive report detailing the voting activity, including the number of votes cast for each candidate.
- **Freeze Ballot:** Temporarily disable the retrieval of voting results to maintain integrity and security during the vote counting process.
- **Count Ballot:** Retrieve and display the voting results, including the number of votes received by each candidate, once the counting authority enables the function.
- **Generate Counting Report:** Produce a detailed report summarizing the counting process and the final election results for auditing and analysis purposes.
- **View Ballot Status:** Check the status of the ballot, including the start and end times, to stay informed about the progress of the voting process.

### **Voters:**

Conversely, for voters, the system presents an intuitive and accessible platform for exercising their democratic rights. Through the voter interface, citizens are afforded a streamlined voting experience characterized by dynamic candidate listings, robust identity verification mechanisms, and a commitment to privacy and security. By prioritizing user experience and accessibility, the system endeavors to engender trust and confidence among voters, thereby fostering active participation in the electoral process.

By meticulously addressing these user requirements, the Blockchain-Based Voting System aspires to redefine the contours of electoral governance, ushering in an era of trust, transparency, and integrity in democratic decision-making.

- **View Candidates:** View the list of candidates participating in the election, displayed dynamically on the interface.
- **Verify Identity:** Authenticate the voter's identity using methods predetermined by the election authority, ensuring that only eligible voters can cast their votes.
- **Cast Vote:** Cast a single vote for the preferred candidate by selecting their name from the list of candidates displayed on the interface.
- **View Blockchain Status:** Check the status of the blockchain, active or inactive, to stay informed about the progress of the voting process.
- **View Confirmation Message:** Receive a confirmation message upon successfully casting a vote, providing assurance that the vote has been recorded accurately.
- **Access Voting Receipt:** Optionally, access a voting receipt or confirmation for personal records after casting a vote, if such a feature is implemented.

### 3. System Analysis And System Design

#### System Analysis

##### 1. Problem Definition:

Traditional voting systems often face issues related to security, transparency, and trust. Voter fraud, tampering, and lack of verifiable results are common problems that undermine the integrity of elections. The goal of the Blockchain-Based Voting System is to address these issues by leveraging blockchain technology, which offers a decentralized, secure, and transparent platform for conducting elections.

##### 2. Requirements Analysis:

###### Functional Requirements:

- Administrator Control Panel:
  - Add, enable, and disable candidates.
  - Start and end the voting process.
  - Generate and freeze results.
  - Access and print voting and counting reports.
  
- Voter Interface:
  - View candidate list.
  - Cast a vote securely.
  - Ensure one voter can only vote once.
  
- Blockchain Interactions:
  - Record votes securely on the blockchain.
  - Retrieve and display results.

###### Non-Functional Requirements:

- Security: Ensure the integrity and confidentiality of votes.
- Scalability: Support a large number of voters and candidates.
- Usability: User-friendly interfaces for both administrators and voters.
- Reliability: Ensure the system is robust and can handle high traffic during elections.

### 3. Stakeholder Analysis:

- Election Authorities: Need a secure and transparent voting system.
- Voters: Require a user-friendly and trustworthy platform to cast votes.
- Developers: Implement and maintain the system.

### 4. Use Case Analysis:

Use Case: Manage Candidates

- Actors: Administrator
- Description: The administrator can add, enable, and disable candidates.
- Steps:
  1. Administrator logs in.
  2. Administrator adds a new candidate.
  3. Candidate appears in the list of available candidates.

Use Case: Vote Casting

- Actors: Voter
- Description: A voter casts a vote for a candidate.
- Steps:
  1. Voter verifies identity.
  2. Voter selects a candidate.
  3. Vote is recorded on the blockchain.

### 5. Data Flow Diagram (DFD):

Level 0: Context Diagram

- Processes: Voting System
- External Entities: Administrator, Voter, Blockchain
- Data Flows: Candidate data, Vote data, Results data

Level 1: Detailed DFD

- Processes: Manage Candidates, Cast Vote, Generate Results
- Data Stores: Candidate List, Voter List, Results
- Data Flows: Candidate information, Vote information, Voting results

## System Design

### 1. System Architecture:

The system architecture of the Blockchain-Based Voting System is divided into three main components:

#### a. Control Panel:

- Technology: Electron application built with HTML, CSS, and JavaScript.
- Functions: Add/disable candidates, start/end voting, generate/freeze results.

#### b. Voter Interface:

- Technology: Electron application built with HTML, CSS, and JavaScript.
- Functions: View candidates, cast vote, display voting status.

#### c. Blockchain:

- Technology: Ethereum blockchain using Ganache for local deployment, with smart contracts written in Solidity.
- Functions: Securely record votes, store candidate information, retrieve results.

### 2. Database Design:

#### Entity 1: Candidate

- Attributes: CandidateID (Primary Key), Name, VoteCount

#### Entity 2: Voter

- Attributes: WalletAddress (Primary Key), HasVoted (Boolean)

#### Entity 3: Vote

- Attributes: VoteID (Primary Key), VoterID (Foreign Key), CandidateID (Foreign Key), Timestamp

### 3. Smart Contract Design:



#### a. Voting Smart Contract:

##### - Functions:

- `addCandidate(string memory _name)`: Adds a new candidate.
- `vote(uint256 _candidateId)`: Allows a voter to cast a vote.
- `getResult()`: Retrieves the vote counts for all candidates.
- `activateVoting()`: Starts the voting process.
- `deactivateVoting()`: Ends the voting process.
- `freezeResult()`: Freezes the result retrieval.
- `reactivateResult(string memory _password)`: Unfreezes result retrieval with a password.

#### 4. User Interface Design:

##### a. Control Panel:

##### - Components:

- Dashboard: Overview of current election status.
- Candidate Management: Interface to add, enable, and disable candidates.
- Voting Control: Buttons to start/end voting and generate/freeze results.
- Reports: Options to generate and print voting and counting reports.

##### b. Voter Interface:

##### - Components:

- Candidate List: Dynamic list displaying available candidates.
- Vote Button: Option to cast a vote for a selected candidate.
- Status Display: Shows whether voting is active or inactive.

#### 5. Security Measures:

##### a. Blockchain Security:

- Immutability: Votes recorded on the blockchain cannot be altered.
- Decentralization: Reduces risk of tampering or fraud.

##### b. Smart Contract Security:

- Ownership Restriction: Only the deployer (administrator) can access certain functions.
- Voting Restrictions: Ensure each voter can only vote once.

c. User Authentication:

- Administrator: Secure login system.
- Voter Verification: Identity verification methods as decided by election authority.

**6. Implementation Plan:**

a. Development Phases:

1. Initial Setup: Set up Ganache and deploy the smart contract.
2. Control Panel Development: Create the Electron application for the administrator.
3. Voter Interface Development: Create the Electron application for voters.
4. Integration: Connect the control panel and voter interface with the blockchain.
5. Testing: Conduct thorough testing to ensure system functionality and security.

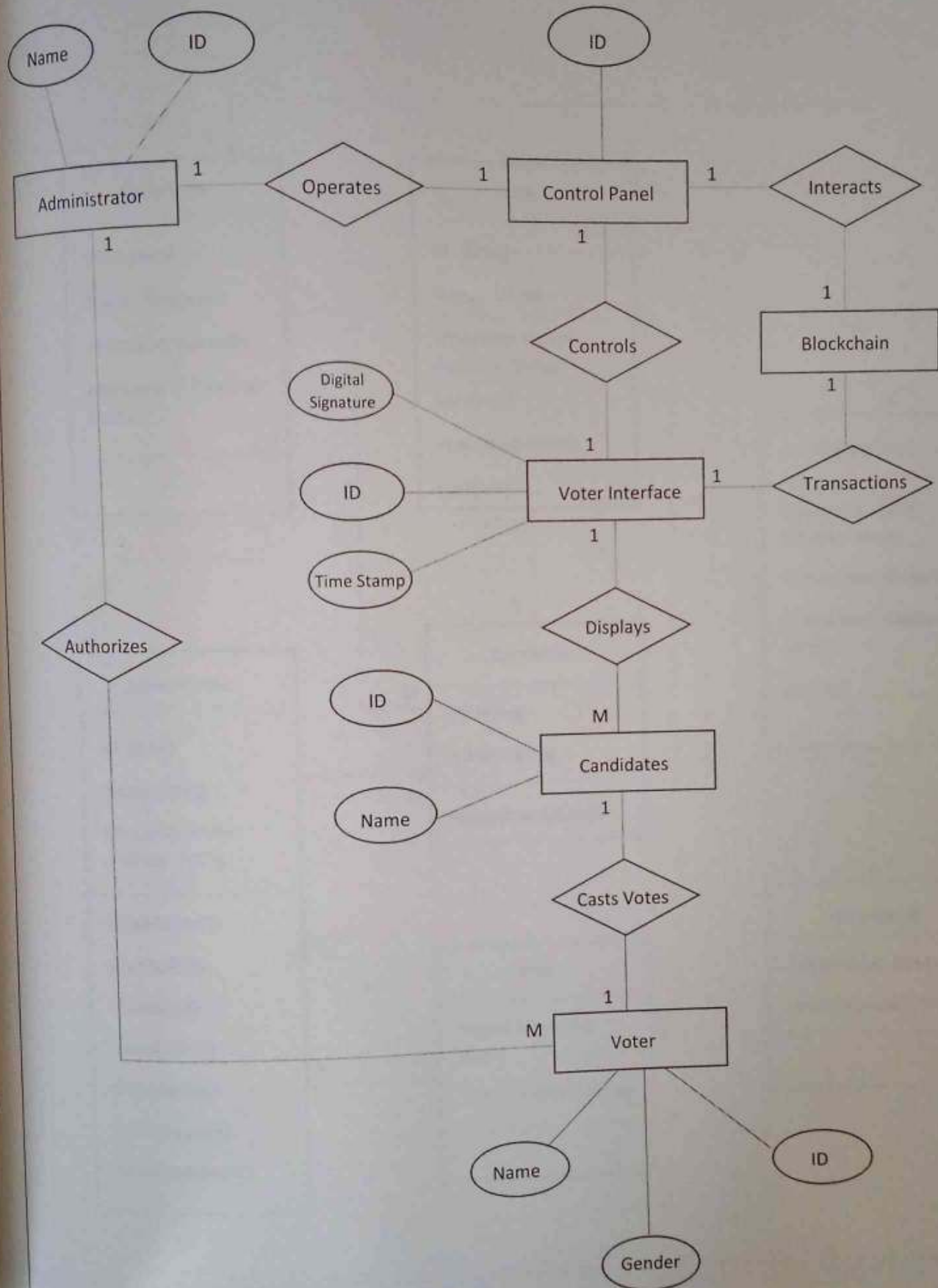
b. Deployment:

- Local Environment: Use Ganache for testing and development.
- Production Environment: Deploy on a public Ethereum network or a private blockchain for actual elections.

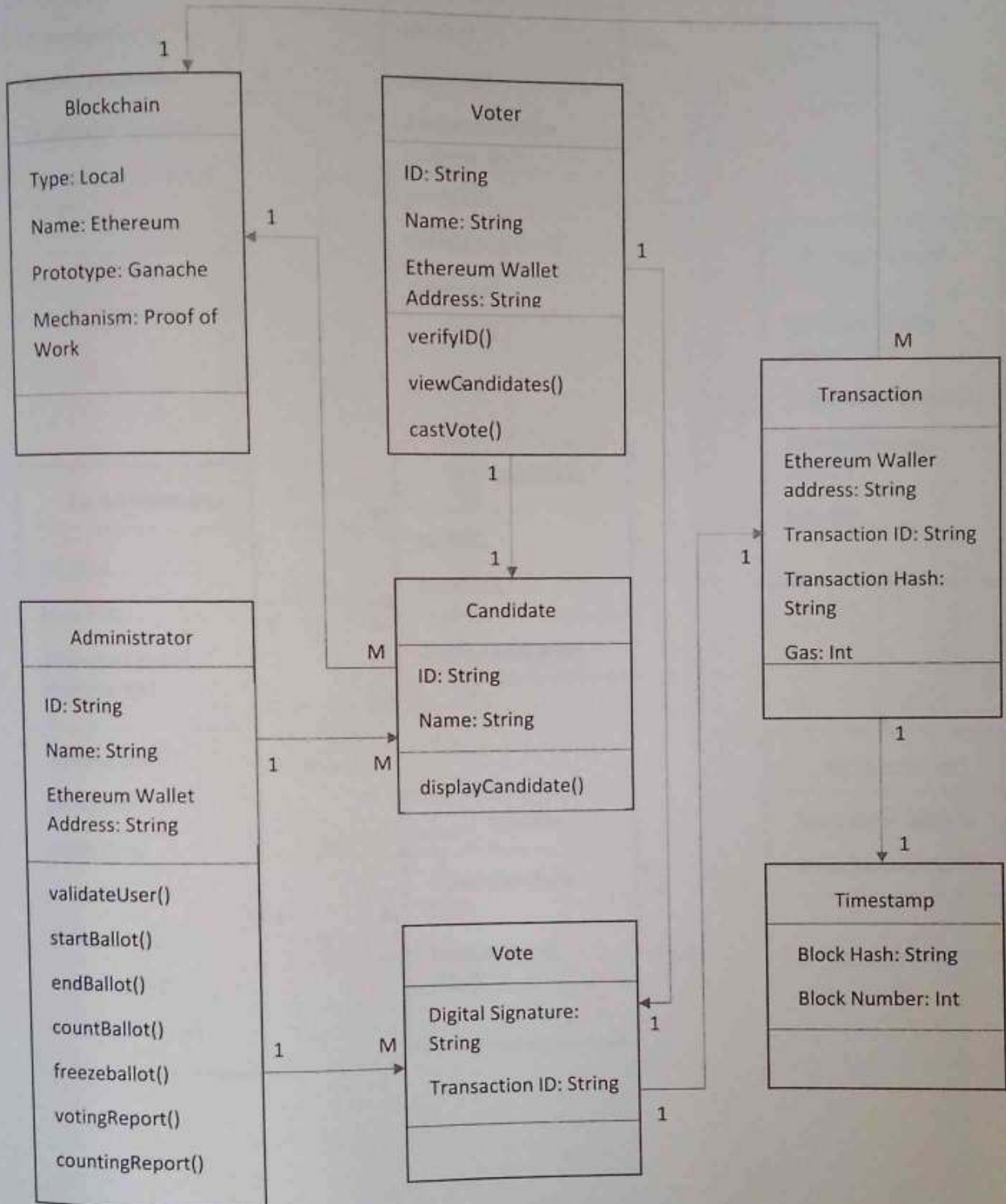
c. Maintenance:

- Regular Updates: Ensure the system is updated with the latest security patches.
- User Support: Provide support for administrators and voters to resolve any issues.

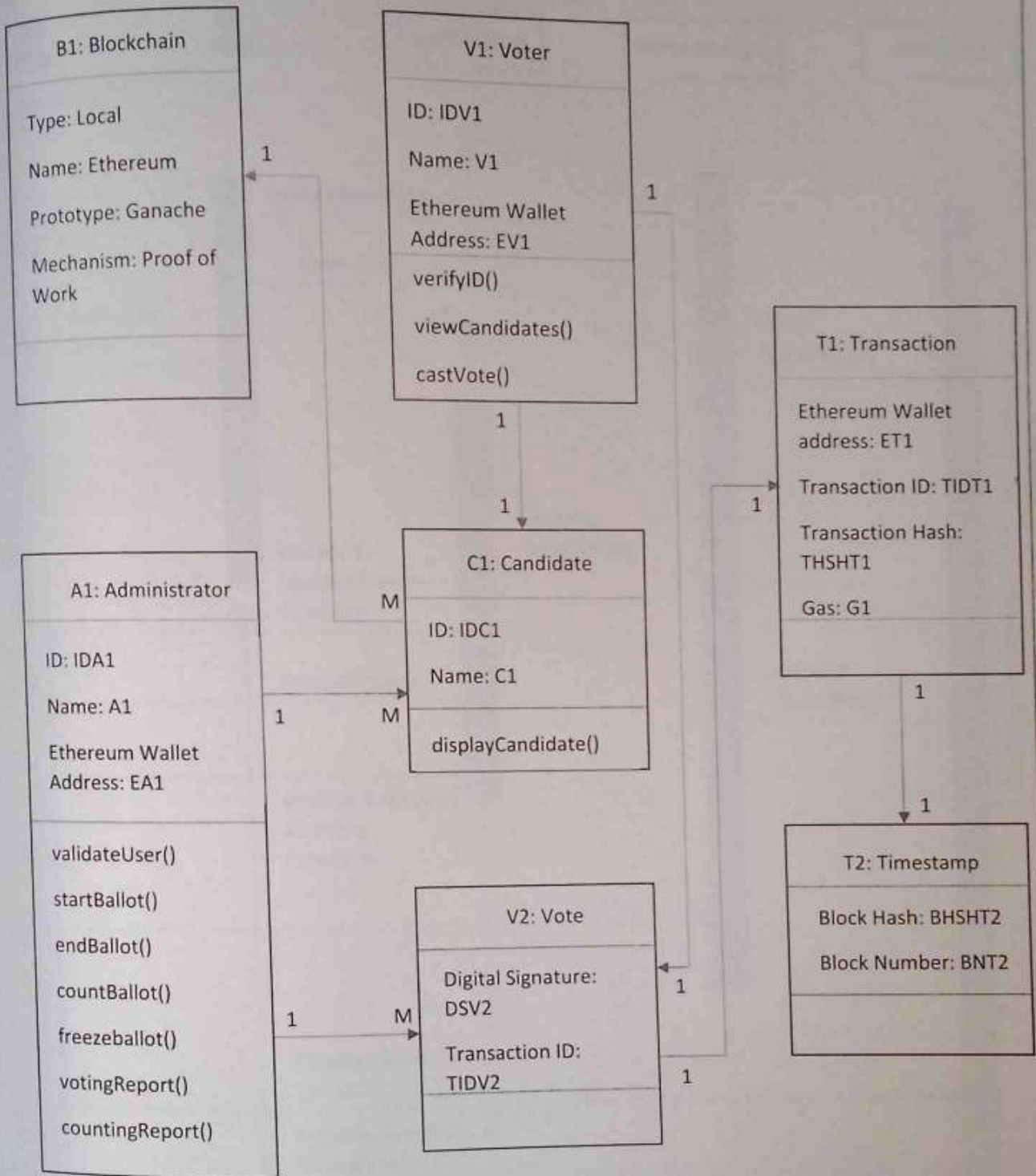
### 3.1 Entity – Relationship Diagram



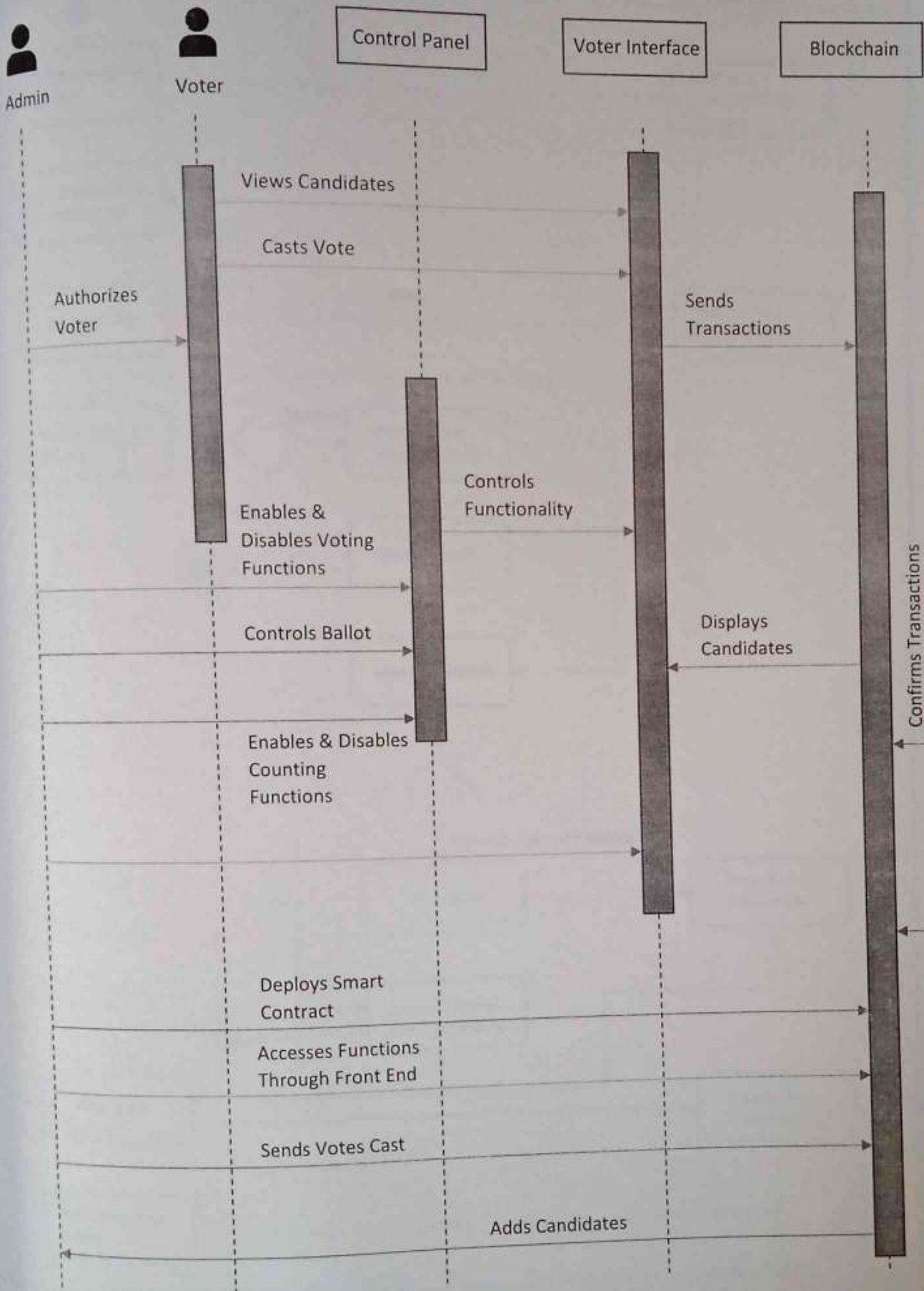
## 3.2 Class Diagram



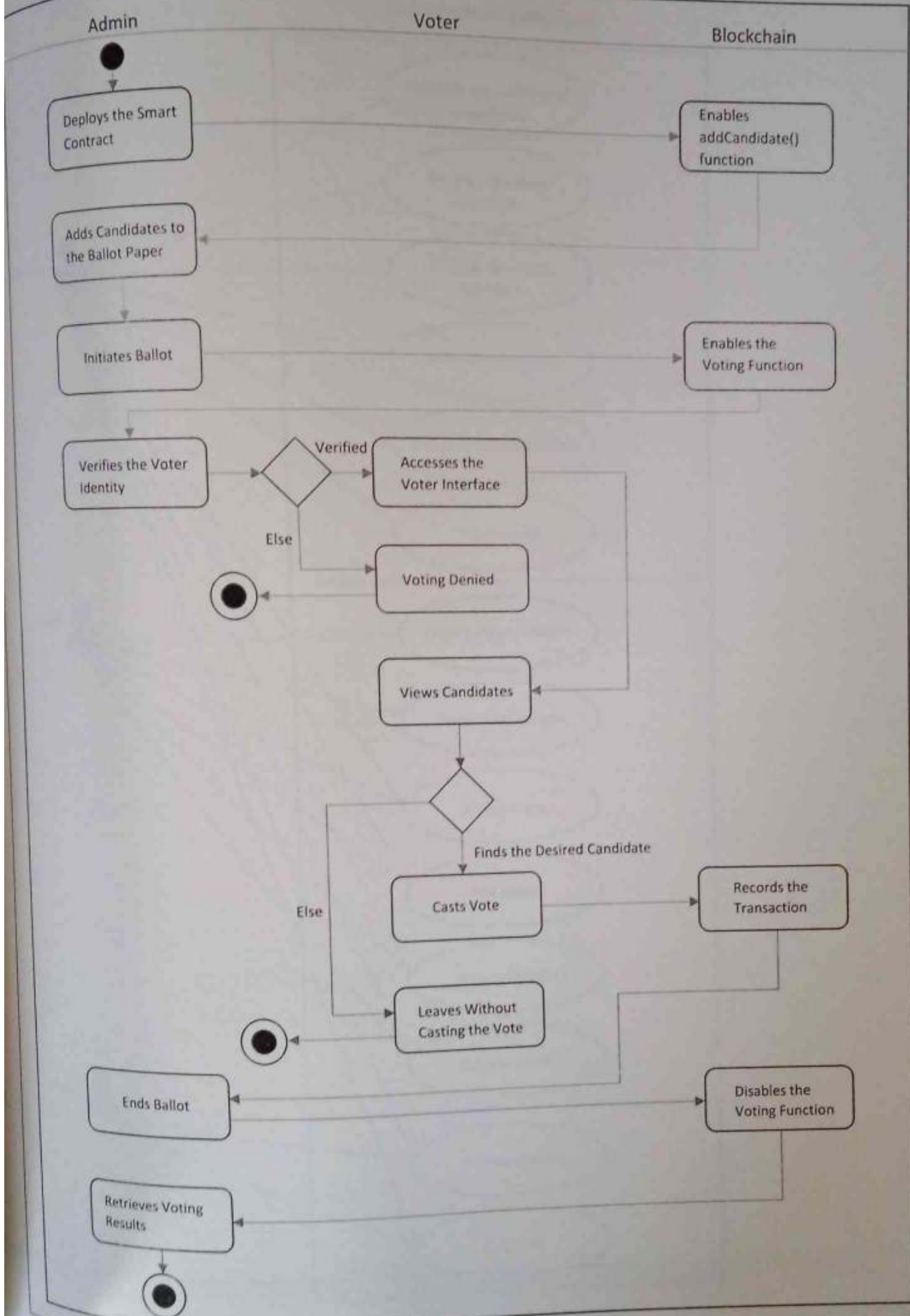
### 3.3 Object Diagram



### 3.4 Sequence Diagram

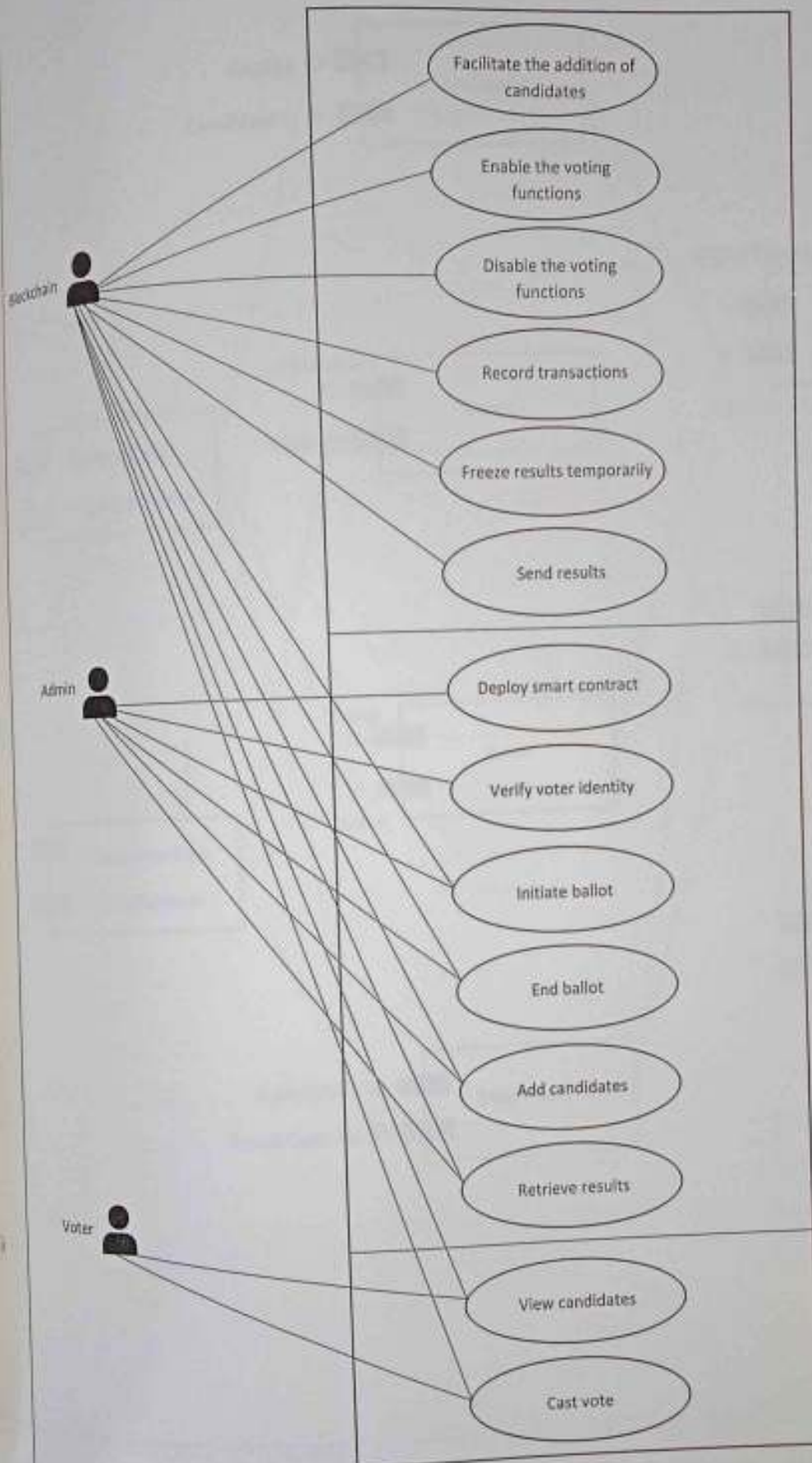


### 3.5 Activity Diagram



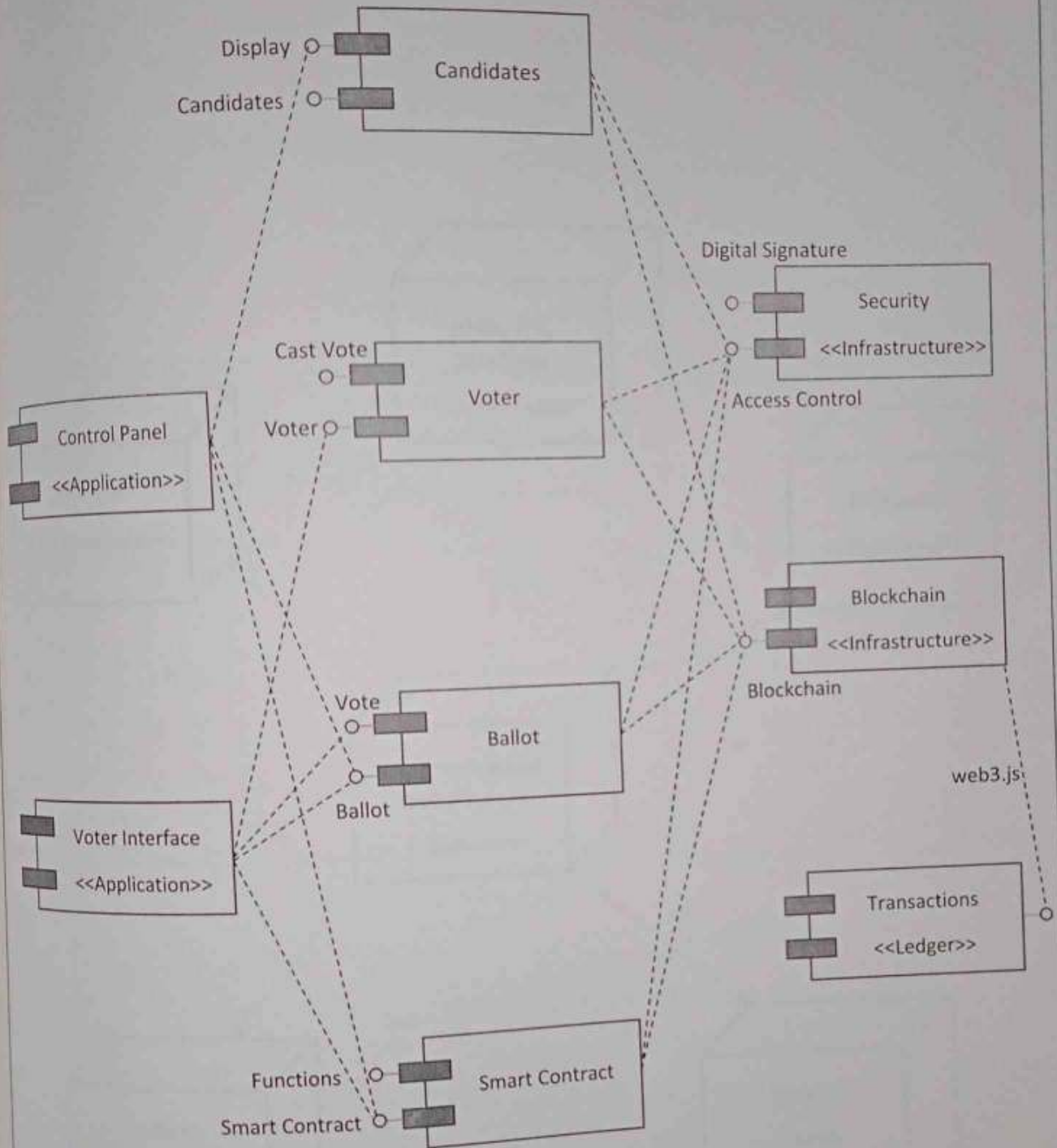
### 3.6 Use Case Diagram

Blockchain-Based Voting System

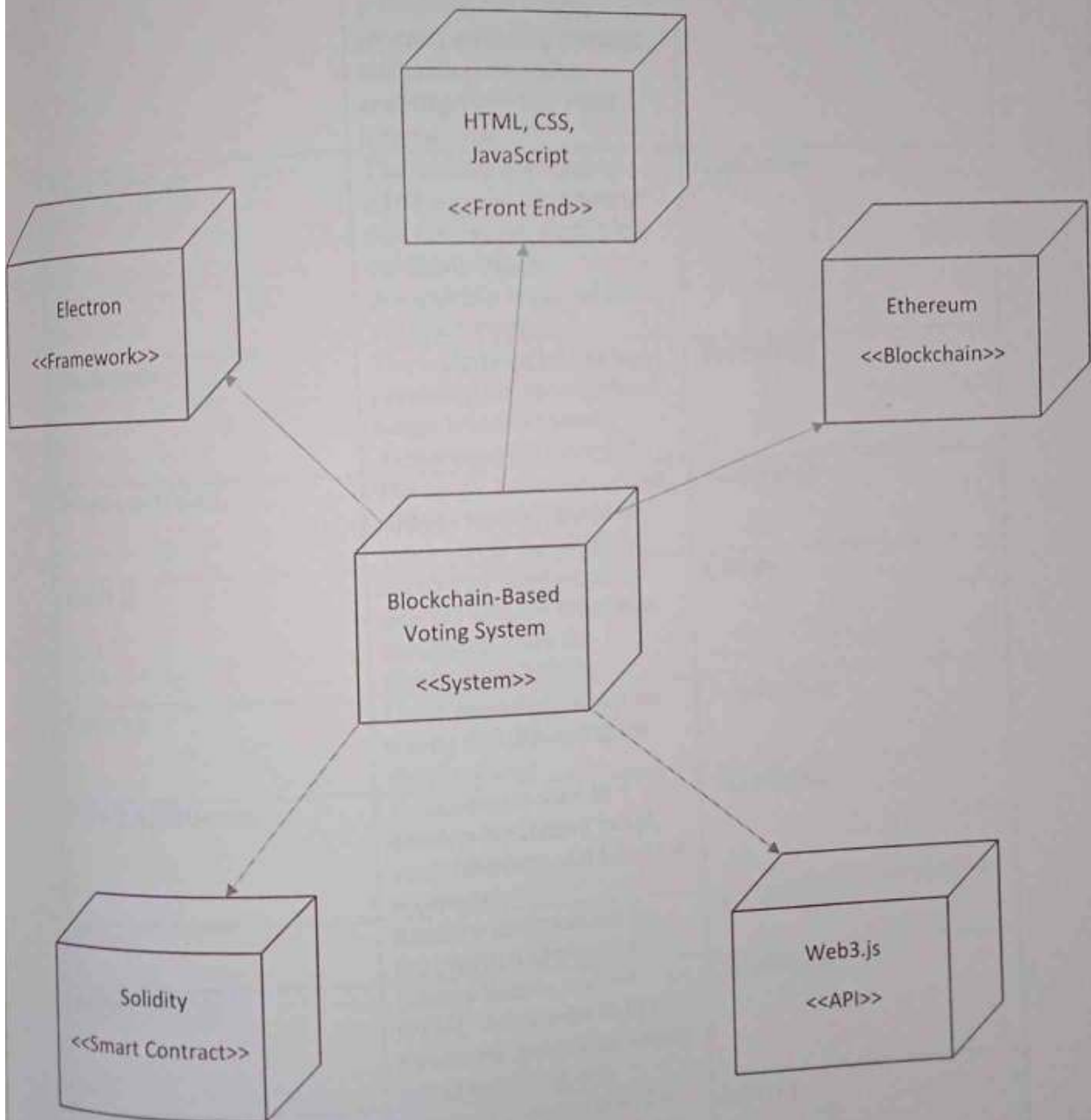




### 3.7 Component Diagram



### 3.8 Deployment Diagram



## 4. Data Dictionary

Field Name	Description	Data Type
Smart Contract	The Solidity smart contract deployed on the Ganache blockchain, defining the logic and conditions of the voting process.	Text/String
Control Panel	The desktop application interface used for controlling the voting process, including starting and ending the ballot, enabling/disabling voter interface, etc.	Application
Voter Interface	The desktop application interface used by voters to cast their votes, displaying candidate names dynamically retrieved from the smart contract.	Application
Blockchain	The underlying technology providing the decentralized ledger where all voting transactions are recorded.	Technology
Ethereum Wallet	The single Ethereum wallet address used to record all votes cast in the election.	Text/String
Web3.js	JavaScript library used to interact with the Ethereum blockchain from the Electron application.	Library
Ganache	Local blockchain setup for testing and deploying the smart contract.	Application
HTML/CSS/JavaScript	Technologies used to develop the control panel, voter interface, and Electron application.	Text/String
Node.js	Runtime environment for the Electron application.	Text/String
HTML2PDF.js	Library used to convert HTML documents to PDF format for generating voting and counting reports.	Text/String
SweetAlert2	JavaScript library used for displaying modal windows with user-friendly messages.	Library
jspdf	JavaScript library used for generating PDF documents.	Library
Election Authority	Entity responsible for verifying voter identities and	Text/String

	managing the voting process.	
Candidate Names	Names of candidates participating in the election, dynamically displayed on the voter interface.	Text/String
Ballot Starting Time	Timestamp indicating the start time of the voting process, displayed on the control panel.	Text/String
Ballot Ending Time	Timestamp indicating the end time of the voting process, displayed on the control panel.	Text/String
Enable Ballot	Button on the control panel used to activate the voter interface and enable voting.	Button
Disable Ballot	Button on the control panel used to deactivate the voter interface and disable voting.	Button
Initiate ballot	Button on the control panel used to initiate the voting process after necessary information is filled out.	Button
End Ballot	Button on the control panel used to conclude the voting process and disable the voter interface permanently.	Button
Voting Report	Button on the control panel used to generate a report summarizing the voting results.	Button
Freeze Ballot	Button on the control panel used to temporarily disable the retrieval of voting results.	Button
Count Ballot	Button on the control panel used to count the votes cast and display the results.	Button
Counting Report	Button on the control panel used to generate a report summarizing the vote count and results.	Button
Counting Authority	Entity responsible for enabling the getResult function and overseeing the vote counting process.	Text/String
Password	Authentication mechanism used by the counting authority to enable the getResult function temporarily.	Text/String
Votes	Recorded votes stored on the blockchain, associated with candidate names.	Numeric



Control Panel: Before starting the ballot

## Blockchain-Based Voting System

MODULE NO. 1

ID : KZJ9B72V

BLOCKCHAIN STATUS: **ACTIVE**

Type of Election: **General Election** ▾

Name of Election: **Loksabha** ▾

Constituency Name:

Constituency Code:

Location:

Polling Booth Code:

No. of Eligible Voters:

Booth In-Charge:

### PRIMARY SYSTEM CONTROL

Initiate Ballot

End Ballot

### SECONDARY SYSTEM CONTROL

Disable Ballot

Enable Ballot

### END POINT CONTROL - I

Freeze Ballot

Voting Report

### END POINT CONTROL - II

Enable

Count Ballot

Counting Report

Control Panel: After starting the ballot

## Blockchain-Based Voting System

**MODULE NO. I**  
**ID : KZJ9B72V**

**BLOCKCHAIN STATUS:** ACTIVE

Type of Election: General Election	Name of Election: Loksabha
Constituency Name: Dhule	Constituency Code: DHL115
Location: Malegaon	Polling Booth Code: 194
No. of Eligible Voters: 872	Booth In-Charge: ABC

**PRIMARY SYSTEM CONTROL**

Initiate Ballot   End Ballot

**SECONDARY SYSTEM CONTROL**

Disable Ballot   Enable Ballot

**END POINT CONTROL - I**

Freeze Ballot   Voting Report

**END POINT CONTROL - II**   Enable

Count Ballot   Counting Report

Voter Interface: Before a vote has been cast

**Blockchain-Based Voting System**

MODULE NO. 1  
ID : KZJ9B72V

BLOCKCHAIN STATUS: ACTIVE

### BALLOT PAPER

Sr. No.	Candidate Name	Vote
1	Candidate 1	<span style="border: 1px solid black; padding: 5px;">Vote</span>
2	Candidate 2	<span style="border: 1px solid black; padding: 5px;">Vote</span>
3	Candidate 3	<span style="border: 1px solid black; padding: 5px;">Vote</span>
4	Candidate 4	<span style="border: 1px solid black; padding: 5px;">Vote</span>
5	Candidate 5	<span style="border: 1px solid black; padding: 5px;">Vote</span>
6	Candidate 6	<span style="border: 1px solid black; padding: 5px;">Vote</span>
7	Candidate 7	<span style="border: 1px solid black; padding: 5px;">Vote</span>



Voter Interface: After a vote has been cast

**Blockchain-Based Voting System**

MODULE NO. 1  
ID : KZJ9672V

BLOCKCHAIN STATUS: ACTIVE

## BALLOT PAPER

Sr. No.	Candidate Name	Vote	
1	Candidate 1	<span style="border: 1px solid black; padding: 2px;">Vote</span>	<input checked="" type="radio"/>
2	Candidate 2	<span style="border: 1px solid black; padding: 2px;">Vote</span>	<input type="radio"/>
3	Candidate 3	<span style="border: 1px solid black; padding: 2px;">Vote</span>	<input type="radio"/>
4	Candidate 4	<span style="border: 1px solid black; padding: 2px;">Vote</span>	<input type="radio"/>
5	Candidate 5	<span style="border: 1px solid black; padding: 2px;">Vote</span>	<input type="radio"/>
6	Candidate 6	<span style="border: 1px solid black; padding: 2px;">Vote</span>	<input type="radio"/>
7	Candidate 7	<span style="border: 1px solid black; padding: 2px;">Vote</span>	<input type="radio"/>

Your vote has been recorded! Transaction Hash  
0x36aa6f7ed6082935fe232ecdc2beb42a0a1f32d41386ce9990cc62c140ca6853

Close

Control Panel: After ending the ballot

## Blockchain-Based Voting System

**MODULE NO. I**  
**ID : KZJ9B72V**

**BLOCKCHAIN STATUS:** ACTIVE

Type of Election: General Election	Name of Election: Lok Sabha
Constituency Name: Dhule	Constituency Code: DHL115
Location: Malegaon	Polling Booth Code: 194
No. of Eligible Voters: 872	Booth In-Charge: ABC

Ballot Start Time: 5/29/2024, 12:04:28 AM Ballot End Time: 5/29/2024, 12:04:29 AM

**PRIMARY SYSTEM CONTROL**

Initiate Ballot End Ballot

**SECONDARY SYSTEM CONTROL**

Disable Ballot Enable Ballot

**END POINT CONTROL - I**

Freeze Ballot Voting Report

**END POINT CONTROL - II** Enable

Count Ballot Counting Report

## Blockchain-Based Voting System

MODULE NO. 1

ID : KZJ9B72V

BLOCKCHAIN ST

### VOTING REPORT

Module ID:	KZJ9B72V
Type of Election:	General Election
Name of Election:	Loksabha
Constituency Name:	Dhule
Constituency Code:	DHL115
Location:	Malegaon
Polling Booth Code:	194
No. of Eligible Voters:	872
Booth In-Charge:	ABC
Ballot Start Time	5/29/2024, 12:04:28 AM
Ballot End Time	5/29/2024, 12:04:29 AM
Final Vote Count	477
Voting Percentage	54.70%

Ballot Start Time

4, 12:04:29 AM

Download

Print

Count Ballot

Counting Report

## Blockchain-Based Voting System

MODULE NO. 1

ID : KZJ9872V

BLOCKCHAIN ST

### VOTING RESULTS

Sr. No.	Candidate Name	Votes
1	Candidate 1	12
2	Candidate 2	6
3	Candidate 3	10
4	Candidate 4	3
5	Candidate 5	7
6	Candidate 6	15
7	Candidate 7	2

No. of Eligible Voters	872
No. of Valid Votes Cast	55
No. of Valid Votes Counted	55

Count Ballot

Counting Report

### COUNTING REPORT

Module ID: KZI9B72V  
Type of Election: General Election  
Name of Election: Loksabha  
Constituency Name: Dhule  
Constituency Code: DHL115  
Location: Malegaon Camp  
Polling Booth Code: 194  
No. of Eligible Voters: 872  
Booth In-Charge: ABC

Sr. No.	Candidate Name	Votes
1	Candidate 1	12
2	Candidate 2	6
3	Candidate 3	10
4	Candidate 4	3
5	Candidate 5	7
6	Candidate 6	15
7	Candidate 7	2
No. of Valid Votes Cast		55
No. of Valid Votes Counted		55

## 6. Testing

The comprehensive testing report for the Blockchain-Based Voting System project, including various test cases covering different functionalities:

### 1. Smart Contract Deployment and Initialization

#### Test Case 1.1:

Description: Verify that the smart contract is successfully deployed on the Ganache blockchain.

Steps:

1. Connect to Ganache blockchain.
2. Deploy the smart contract using Remix IDE.
3. Check for successful deployment confirmation.

Expected Result:

The smart contract should be deployed without any errors, and the deployment transaction should be confirmed on the blockchain.

### 2. Control Panel Functionality

#### Test Case 2.1:

Description: Test the functionality of enabling and disabling the voter interface from the control panel.

Steps:

1. Open the control panel.
2. Click on the "Enable Ballot" button.
3. Verify that the voter interface is activated.
4. Click on the "Disable Ballot" button.
5. Verify that the voter interface is deactivated.

Expected Result:

The voter interface should be enabled/disabled accordingly based on the button clicked on the control panel.

### **Test Case 2.2:**

Description: Test the functionality of starting and ending the ballot from the control panel.

Steps:

1. Open the control panel.
2. Fill out the necessary information.
3. Click on the "Start Ballot" button.
4. Verify that the ballot is initiated and the starting time is displayed.
5. After the voting is completed, click on the "End Ballot" button.
6. Verify that the ballot is ended, and the ending time is displayed.

Expected Result:

The ballot should start and end successfully, with the corresponding timestamps displayed on the control panel.

### **Test Case 2.3:**

Description: Test the generation of voting and counting reports from the control panel.

Steps:

1. Open the control panel.
2. Click on the "Voting Report" button.
3. Verify that the voting report is generated and can be downloaded.
4. Click on the "Counting Report" button.
5. Verify that the counting report is generated and can be downloaded.

Expected Result:

Both voting and counting reports should be generated successfully and be available for download.

## **3. Voter Interface Functionality**

### **Test Case 3.1:**

Description: Test the dynamic display of candidate names on the voter interface.

Steps:

1. Open the voter interface.
2. Verify that candidate names retrieved from the smart contract are displayed.

Expected Result:

The candidate names should be displayed dynamically on the voter interface as per the data stored in the smart contract.

### **Test Case 3.2:**

Description: Test the ability to cast votes from the voter interface.

Steps:

1. Open the voter interface.
2. Select a candidate.
3. Submit the vote.
4. Verify that the vote is recorded on the blockchain.

Expected Result:

The selected candidate should receive the vote, and the transaction should be recorded on the blockchain.

## **4. Overall System Functionality**

### **Test Case 4.1:**

Description: Verify the end-to-end functionality of the entire voting process.

Steps:

1. Setup Ganache blockchain and deploy the smart contract.
2. Open the control panel and voter interface.
3. Start the ballot, enable the voter interface, and conduct voting.
4. End the ballot, generate voting and counting reports.
5. Verify that voting and counting processes are completed successfully.

Expected Result:

The entire voting process, from setup to reporting, should be executed without any errors, and all functionalities should work as intended.

## **5. Security and Access Control**

### **Test Case 5.1:**

Description: Test access control to smart contract functions.

Steps:

1. Attempt to access smart contract functions from a non-owner account.
2. Verify that access is denied.



**Expected Result:**

Only the owner (deployer) of the smart contract should be able to access and execute its functions.

### **Test Case 5.2:**

**Description:** Test the temporary disablement of the getResult function.

**Steps:**

1. Freeze the ballot from the control panel.
2. Attempt to retrieve voting results using the getResult function.
3. Verify that access to voting results is temporarily disabled.

**Expected Result:**

Access to voting results should be disabled after freezing the ballot until enabled by the counting authority.

## **6. Voter Identity Verification**

### **Test Case 6.1:**

**Description:** Test the voter identity verification process.

**Steps:**

1. Open the voter interface.
2. Attempt to cast a vote without verifying the identity.
3. Verify that the vote submission is rejected.
4. Verify the identity using the prescribed method.
5. Attempt to cast a vote again.
6. Verify that the vote submission is accepted.

**Expected Result:**

Voters should only be able to cast votes after successfully verifying their identity through the prescribed method.

## **7. Ballot Management**

### **Test Case 7.1:**

**Description:** Test the management of multiple ballots within the same election cycle.

**Steps:**

1. Conduct one complete voting cycle.

2. Attempt to initiate a new ballot without concluding the previous one.
3. Verify that the initiation of a new ballot is denied.
4. Conclude the ongoing ballot.
5. Initiate a new ballot.
6. **Verify that the new ballot is initiated successfully.**

Expected Result:

Only one ballot should be allowed to be active at a time, and a new ballot can only be initiated after the previous one has been concluded.

## 8. Error Handling and Recovery

### Test Case 8.1:

Description: Test the system's behavior when encountering errors during the voting process.

Steps:

1. Introduce an error in the smart contract code.
2. Attempt to start the ballot from the control panel.
3. Verify the response to the error.
4. Rectify the error in the smart contract code.
5. Attempt to start the ballot again.
6. Verify that the ballot initiation is successful.

Expected Result:

The system should handle errors gracefully, providing appropriate error messages, and should be able to recover from errors once they are rectified.

## 9. Network Connectivity

### Test Case 9.1:

Description: Test the system's behavior under different network connectivity conditions.

Steps:

1. Conduct testing under normal network conditions.
2. Introduce network latency during the voting process.
3. Verify that the system remains responsive and functional.
4. Introduce network disconnection during the voting process.
5. Verify that the system gracefully handles the disconnection and recovers when the connection is restored.

**Expected Result:**

The system should remain operational and responsive even under adverse network conditions, with appropriate handling of network latency and disconnection.

**10. Data Integrity**

**Test Case 10.1:**

Description: Test the integrity of data stored on the blockchain.

**Steps:**

1. Cast multiple votes from different voter interfaces.
2. Verify that all votes are recorded correctly on the blockchain.
3. Attempt to tamper with the recorded votes on the blockchain.
4. Verify that the tampering attempt is detected and prevented.

**Expected Result:**

All voting data stored on the blockchain should remain intact and immutable, with any attempt to tamper with the data being detected and prevented.

## 7. User Manual

### Administrator Manual

#### 1. Setup and Deployment:

##### 1. Smart Contract Deployment:

- Ensure that you have Ganache installed and running, providing a local blockchain environment.
- Open the Remix IDE and deploy the provided Solidity smart contract to the Ganache blockchain.
- Confirm successful deployment and note the contract address for interaction.

##### 2. Electron Application Setup:

- Install Node.js on your system if not already installed.
- Clone or download the Electron application source code from the provided repository.
- Navigate to the project directory and install dependencies using the command `'npm install'`.
- Run the Electron application using the command `'npm start'`.

#### 2. Control Panel:

##### 1. Start Ballot:

- Fill out the necessary information in the control panel, such as the election name, start time, and any additional details.
- Click the "Start Ballot" button to initiate the voting process.

##### 2. Enable/Disable Ballot:

- Use the "Enable Ballot" button to activate the voter interface for voting, allowing voters to access the system and cast their votes.
- Use the "Disable Ballot" button to deactivate the voter interface temporarily, preventing any further votes from being cast.

##### 3. End Ballot:

- Click the "End Ballot" button to conclude the voting process once the designated voting period has ended.

- Once ended, the voter interface will be disabled permanently, and no further votes can be cast.

#### 4. Generate Reports:

- Click the "Voting Report" button to generate a comprehensive report summarizing the voting results, including the number of votes cast for each candidate.
- Click the "Counting Report" button to generate a report summarizing the vote count and results, providing a detailed overview of the election outcome.

#### 5. Freeze Ballot:

- Click the "Freeze Ballot" button to temporarily disable the retrieval of voting results, ensuring data integrity and preventing unauthorized access to sensitive information.

#### 6. Count Ballot:

- Click the "Count Ballot" button to display the votes cast for each candidate, facilitating the counting process and enabling the election authority to determine the final outcome of the election.

### **Voter Manual**

#### 1. Accessing Voter Interface:

##### 1. Open Voter Interface:

- Ensure that the Electron application is running on your system, providing access to the voter interface.
- Access the voter interface by entering the provided URL in your web browser or clicking on the application icon.

##### 2. Verify Identity:

- Follow the prescribed method to verify your identity before casting your vote, ensuring compliance with election regulations and maintaining the integrity of the voting process.

#### 2. Casting Vote:

##### 1. Select Candidate:

- View the list of candidates displayed on the voter interface, presenting the names of individuals or options available for voting.

- Select the candidate of your choice by clicking on their name, indicating your preference for the election.

## 2. Submit Vote:

- After selecting the candidate, submit your vote using the provided button, confirming your decision and recording your choice in the blockchain ledger.

## 3. Confirmation:

- Upon successful submission, you will receive a confirmation message indicating that your vote has been recorded, providing assurance that your participation in the election has been acknowledged and accounted for.

## 3. End of Voting:

### 1. Voting Closure:

- Once the designated voting period ends or the administrator concludes the ballot, the voter interface will be disabled permanently, preventing any further votes from being cast.

### 2. Result Access:

- After the voting process concludes, wait for the election authority to enable access to voting results, allowing you to view the outcome of the election and ensure transparency and fairness in the electoral process.

## 8. Limitations

The Blockchain-Based Voting System presents numerous advantages such as transparency, immutability, and decentralized storage. However, like any technological solution, it also comes with certain drawbacks and limitations. This report aims to analyze and discuss these drawbacks and limitations in detail.

### 1. Security Vulnerabilities:

One of the primary concerns with any voting system, including blockchain-based ones, is security. While blockchain offers inherent security features, the system is still vulnerable to various types of attacks such as:

- 51% Attack: In a decentralized blockchain network, if a single entity gains control of over 51% of the network's hashing power, they could potentially manipulate the voting process by controlling which transactions are included in blocks.

- Smart Contract Vulnerabilities: The smart contracts governing the voting process may contain bugs or vulnerabilities that could be exploited by malicious actors to tamper with the election results or disrupt the voting process.

### 2. Scalability Issues:

Blockchain technology, particularly public blockchains like Ethereum, faces scalability challenges when it comes to handling a large number of transactions. In the context of a voting system, scalability issues may manifest as:

- Transaction Processing Delays: As the number of voters and transactions increases, the blockchain network may become congested, leading to delays in transaction processing and confirmation.

- Increased Gas Costs: The cost of executing transactions on the blockchain, known as gas fees, can increase significantly during periods of high network congestion, making it economically unfeasible for some voters to participate in the voting process.

### 3. Lack of Voter Privacy:

While blockchain offers transparency and immutability, it also poses challenges to voter privacy. Since all transactions on the blockchain are public and transparent, it is possible for anyone to trace a voter's identity based on their transaction history. This lack of privacy may deter some voters from participating in the electoral process due to concerns about their anonymity and confidentiality.

### 4. Single Wallet Address for Voting:

In the current implementation of the system, all votes are recorded from a single Ethereum wallet address. This approach raises concerns about the integrity of the voting process and the possibility of vote manipulation. Additionally, using a single wallet address limits the system's ability to implement features such as voter authentication and verification.

### **5. Dependency on Centralized Components:**

Despite being built on decentralized blockchain technology, the voting system still relies on centralized components such as the control panel and voter interface. This centralized architecture introduces single points of failure and undermines the system's resilience against attacks and disruptions.

While the Blockchain-Based Voting System offers numerous benefits such as transparency, immutability, and decentralized storage, it also suffers from several drawbacks and limitations. Addressing these challenges will require careful consideration of security measures, scalability solutions, privacy-enhancing technologies, and the adoption of decentralized voting protocols. By addressing these issues, the system can enhance its reliability, security, and usability, making it a viable solution for secure and transparent elections in the future.



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## 9. Conclusion

The Blockchain-Based Voting System represents a significant step forward in the quest for secure, transparent, and tamper-proof elections. Throughout the development and analysis of this system, several key conclusions emerge:

**1. Advantages and Opportunities:** Despite its drawbacks and limitations, the system offers numerous advantages, including transparency, immutability, and decentralized storage. These features provide an unprecedented level of trust and integrity in the electoral process, fostering greater confidence among voters and stakeholders.

**2. Room for Improvement:** While the system demonstrates promising potential, there are areas where improvements can be made. Addressing security vulnerabilities, scalability challenges, and privacy concerns will be crucial in enhancing the system's effectiveness and reliability.

**3. Continuous Development:** The development of the Blockchain-Based Voting System is an ongoing process. Continued research, testing, and refinement are essential to address emerging issues, incorporate feedback from stakeholders, and adapt to evolving technological and regulatory landscapes.

**4. Collaboration and Innovation:** The success of the project relies on collaboration and innovation across various domains, including blockchain technology, cybersecurity, and electoral governance. By fostering partnerships and leveraging the expertise of diverse stakeholders, the system can evolve into a robust and resilient platform for conducting elections.

**5. Potential Impact:** The potential impact of the Blockchain-Based Voting System extends beyond individual elections. By promoting transparency, accountability, and inclusivity in the electoral process, the system has the potential to strengthen democratic institutions, safeguard electoral integrity, and empower citizens worldwide.

In conclusion, while the journey towards a fully functional and universally accessible blockchain-based voting system may be challenging, the rewards are significant. By overcoming obstacles, embracing innovation, and upholding democratic values, the Blockchain-Based Voting System has the potential to revolutionize the way elections are conducted and contribute to a more equitable and democratic society.

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# Healix

Designed For Doctors, Crafted for care



Healix dev team



SAVITRIBAI PHULE PUNE UNIVERSITY  
M. G. VIDYAMANDIR'S  
MAHARAJA SAYAJIRAO GAIKWAD ARTS COMMERCE AND SCIENCE  
COLLEGE  
" DEPARTMENT OF COMPUTER SCIENCE "

A Project Report  
On

*" Healix "*

Submitted in the partial fulfillment of the requirement for the award of the Degree of  
*Bachelor of Science in Computer Science*

Kushwah Harishchandrasing Sahabsing (Roll No. 52)  
Surywanshi Rohan Laxman (Roll No.80)  
Navsare Parmeshwar Valmik (Roll No. 111)

under the guidance of  
Dr. Amit D. Kasliwal

2023-2024





Mahatma Gandhi Vidyamandir's

**Maharaja Sayajirao Gaikwad Arts, Science & Commerce College**

Malegaon Camp, Tal. Malegaon, Dist. Nashik (MS)  
Affiliated to Savitribai Phule Pune University, Pune  
(Estd.1959)

NAAC accredited with A+ Grade



## CERTIFICATE

This is to certify that Mr.Kushwah Harishchandrasing Sahasbsing(Seat no.13216), Mr.Surywanshi Rohan Laxman(Seat no.13227 ), Mr.Navzare Parmeshwar Valmik(Seat no.13154 ) have completed their project on "HEALIX" satisfactorily in the partial fulfillment of the requirement for the award of the degree of B. Sc. (Comp. Science) for the subject CS3611, course affiliated to Savitribai Phule Pune University for the academic year 2023-2024.

Project Guide

Prof. D.J.Deore

Internal Examiner

External Examiner

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### Project Team Members

Surywanshi Rohan Laxman (Roll No.80)

Navsare Parmeshwar Valmik (Roll No. 111)

Kushwah Harishchandrasing Sahabsing (Roll No. 52)



## ABSTRACT

In the dynamic realm of healthcare, Healix stands as a testament to innovation, combining cutting-edge technology with the timeless essence of patient care. Tailored explicitly for doctors, this digital assistant is meticulously developed using Java Swing, ensuring a robust and user-friendly interface for seamless integration into medical practices.

Healix, with its foundation in Java Swing and a holistic approach to healthcare, redefines the paradigm of medical software. It promises not only enhanced efficiency but also a renewed focus on compassionate, personalized care, making it an indispensable ally in the modern medical journey.

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## Introduction to Proposed System

Introducing 'Healix,' our innovative healthcare management platform tailored to meet the needs of modern medical practitioners. Powered by Java for robust application development, PostgreSQL for secure database management, and Jasper Reports for comprehensive report generation, Healix revolutionizes patient information management. From seamlessly adding patient details such as name, mobile number, and symptoms to prescribing medications and generating detailed Jasper reports, Healix empowers doctors to efficiently manage patient records. Moreover, Healix goes beyond traditional systems by facilitating seamless communication, allowing doctors to effortlessly send reports to patients via email. With seamless integration with hardware components like printers, Healix ensures convenient access to necessary documents. Ultimately, Healix is poised to enhance the efficiency of healthcare practitioners, optimizing patient information management and fostering improved communication between doctors and patients.

### ➤ Motivation

The driving force behind the development of the 'Healix' system stems from a critical observation outlined in the report 'To Err is Human' by the Institute of Medicine (IoM). This report highlights the staggering impact of medical errors, attributing an estimated 44,000 preventable deaths annually in the United States alone, with 7,000 deaths linked to illegible handwriting on prescriptions. In response to this pressing issue, Healix was conceived with the explicit aim of addressing the challenge posed by handwritten prescriptions.

By streamlining the process of creating and managing patient records for doctors, Healix seeks to mitigate errors associated with manual documentation. Through the integration of email communication and printer support, Healix not only enhances the accessibility of medical reports but also ensures timely and accurate delivery to patients. The overarching objective is to enhance overall efficiency, minimize manual efforts in managing patient data, and foster improved communication between doctors and patients.

At its core, Healix is driven by a commitment to contribute to the advancement of healthcare systems through innovative and practical solutions. By harnessing technology to alleviate the burden of administrative tasks and improve patient care, Healix embodies the ethos of progress and efficiency in modern healthcare management.

## ➤ Problem Statements

- In a world where manual inefficiencies plague existing healthcare systems, the need for innovation has never been more pronounced. Traditional methods of manual data entry not only leave room for errors but also introduce inefficiencies in managing patient information. These inefficiencies underscore the importance of embracing technology-driven solutions to streamline processes and enhance patient care.
- Moreover, communication gaps persist as a significant challenge in modern healthcare environments. Without an integrated communication system, delays and gaps in delivering crucial medical reports to patients can hinder the patient-doctor interaction, potentially impacting patient outcomes.
- Additionally, the limited features of some existing systems further compound these challenges. Without comprehensive tools like integrated report generation or the ability to seamlessly send reports via email, doctors are left grappling with outdated methods, hindering their effectiveness in delivering optimal care.
- Furthermore, technological gaps exacerbate the issue, with outdated or poorly integrated technologies disrupting the synchronization between different facets of healthcare management. This lack of cohesion presents a significant barrier for practitioners striving to deliver seamless and efficient care to their patients.
- In response to these pressing needs, there is a clear call for a healthcare management system that offers streamlined processes, enhanced data accuracy, and improved communication channels. This demand underscores the necessity for a user-friendly and efficient platform like Healix, poised to revolutionize healthcare management by bridging the gap between technology and patient care.

## ➤ Objective

The "Healix" healthcare management system is meticulously crafted with a set of overarching objectives aimed at revolutionizing the way healthcare practitioners interact with patient information and streamline their daily workflows:

- Efficient Patient Information Management
- Comprehensive Report Generation
- Communication Enhancement
- Technological Advancement:
- Hardware Integration
- User-Friendly Interface
- Data Security

### ➤ **Project Scope**

The "Healix" healthcare management system offers a comprehensive solution tailored to meet the diverse needs of healthcare practitioners, encompassing the following key areas:

- Patient Information Management:
- Medical Report Generation
- Communication Features
- Hardware Integration
- User Interface Design
- Technological Stack
- Security Measures
- Scalability and Future Expansion

### ➤ **Limitations**

While the "Healix" healthcare management system offers numerous benefits, it's important to acknowledge certain limitations:

- Learning Curve
- Dependency on Internet and Email Services
- Hardware Compatibility
- Initial Implementation Costs
- Patient Adoption:

## System Analysis

### ➤ Existing System

In the preliminary stages of developing the "Healix" healthcare management system, it's imperative to conduct a thorough analysis of existing systems to identify their strengths, weaknesses, and areas for improvement. Several common types of healthcare management systems serve as benchmarks for this analysis.

- **Traditional Paper-Based Systems:** These systems rely on manual record-keeping with paper files, which can lead to errors, delays, and challenges in retrieving information. Healthcare practitioners often face difficulties accessing patient records efficiently, and there is a significant risk of data loss or damage due to physical vulnerabilities.
- **Legacy Software Systems:** Often built on outdated technologies or frameworks, legacy software systems may lack modern features crucial for efficient healthcare management. While they may offer basic functionalities, such as data entry and retrieval, they often lack advanced features like integrated reporting or seamless communication channels. Additionally, their limited scalability and flexibility make them ill-suited for meeting the evolving needs of modern healthcare environments.
- **Electronic Health Record (EHR) Systems:** EHR systems represent a digital evolution in healthcare management, offering platforms for storing patient data electronically. While they provide basic functionalities for data management and reporting, they may fall short in terms of advanced features such as dynamic report generation or integrated communication capabilities. Despite their digital nature, some EHR systems may still present usability challenges for healthcare practitioners.

This comprehensive analysis serves as the foundation for the development of "Healix," guiding the design and implementation of a system that addresses the limitations of existing solutions while leveraging technological advancements to optimize efficiency, accuracy, and communication in healthcare management.

# Requirement Analysis

## ➤ Functional Requirements

- **Secure Authentication and Authorization:** Role-based access for doctors, administrators, and staff ensures security.
- **Seamless Patient Registration:** Allows for easy addition of new patients with essential details and facilitates recording of patient history.
- **Efficient Patient Record Management:** Features for updating and maintaining patient records, with viewing and editing capabilities for practitioners.
- **Prescription Management:** Enables accurate recording of medications, dosage, frequency, and duration, utilizing Jasper Reports for comprehensive reports.
- **Communication Integration:** Includes email system for sending medical reports directly to patients, ensuring secure and timely communication.
- **Hardware Integration:** Supports printer integration for printing medical reports and documents, ensuring compatibility with various hardware components.
- **User-Friendly Interface:** Intuitive interface for efficient navigation and accessibility, streamlining tasks for practitioners.
- **Data Security Measures:** Implementation of encryption protocols and access controls to secure patient information.
- **Quick Search Functionalities:** Enables quick retrieval of patient records based on various criteria, with options for filtering and sorting data.

## ➤ Performance Requirements

- **Swift Response Times:** Ensures quick data retrieval and report generation for optimal user experience.
- **Concurrent User Handling:** Engineered to support a predefined number of users simultaneously without performance degradation.
- **Efficient Database Performance:** Optimized queries and indexing for quick data retrieval and updates.
- **Prompt Report Generation:** Optimized processes to generate medical reports promptly, even with large datasets.
- **High System Availability:** Minimal downtime for maintenance, with robust backup and recovery mechanisms in place.
- **Scalability:** Adaptable to accommodate growing user numbers and data volumes.
- **Hardware Compatibility:** Ensures seamless integration and performance with various hardware components.

## ➤ Social Requirements.

- **User Accessibility:**
  - Ensure that the system is designed to be accessible to users with diverse abilities, considering factors such as visual and auditory impairments.
- **Multilingual Support:**
  - Provide support for multiple languages to accommodate a diverse user population.
- **Cultural Sensitivity:**
  - Design the user interface and communication features with cultural sensitivity, considering diverse cultural backgrounds of both healthcare practitioners and patients.
- **User Training and Support:**
  - Implement a user-friendly onboarding process to ease the adaptation of healthcare practitioners to the new system.
  - Offer comprehensive training materials and support to address any user challenges.

## ➤ Data collection

- **Patient Demographics:**
- **Medical History**
- **Symptoms and Presenting Issues**
- **Prescription Details**
- **Diagnostic Information**
- **User Authentication Information**
- **System Logs**
- **Administrative Records**



➤ **Software Specifications**

Frontend Tool	JavaSwing API , AWT
Programming Language	Java
Database Management System	PostgreSQL
Report Generation	JasperReports
Mail	JavaMail , SMTP
Pdf Viewer	PDFBox API

➤ **Hardware Specifications**

Ram	4 GB or More
Printer	Laser printer(Any type of printer)
Processor	Core i3 or above
Required Space	300MP or above

# System Design

## ➤ Data dictionary

### 1.User

Field Name	Data Type	Constraint	Description
user_id	bigint	Not null	Primary Key
username	text	Not null	User Name
email	text	Not null	User Email
type	text	Not null	Doctor,Compounder,etc
hospital_name	text	Not null	Hospital Name
password	text	Not null	Password of user
Database_name	text	Not null	Unique user Database

### 2.doctor\_names

Field Name	Data Type	Constraint	Description
doc_id	bigint	Not null	Primary Key
doc_name	text	Not null	Doctor Name

### 3.bookmark

Field Name	Data Type	Constraint	Description
bno	bigint	Not null	Primary Key
bname	text	Not null	Bookmark name
medicine	text	Not null	Medicine name
mqty	text	Not null	Medicine Quantity
mtime	text	Not null	Medicine time
qty	integer	Not null	quantity
ba	integer	Not null	Before/after meal

### 4.reports

Field Name	Data Type	Constraint	Description
report_no	bigint	Not null	Primary Key
report_type	text	Not null	Report type
report_name	text	Not null	Report name

## 5.pdetail

Field Name	Data Type	Constraint	Description
pro	bigint	Not null	Primary Key
date	text	Not null	prescription date
name	text	Not null	Patient name
mno	text	Not null	Mobile number
gen	text	Not null	Gender
age	integer	Not null	Age of patient
bp	text	Not null	Blood pressure

## 6.patient\_reports

Field Name	Data Type	Constraint	Description
id	bigint	Not null	Primary Key
patient_no	text	Not null	Patient number
reports	text	Not null	Reports given
report_date	date	Not null	Report date

## 7.medilist

Field Name	Data Type	Constraint	Description
medicine	text	Not null	Medicine name
medino	bigint	Not null	Medicine no.

## 8.medi

Field Name	Data Type	Constraint	Description
pno	integer	Not null	Patient number
pname	text	Not null	Patient name
medicine	text	Not null	Medicine name
mqty	text	Not null	Medicine Quantity
mtime	text	Not null	Medicine time
qty	integer	Not null	quantity
ba	integer	Not null	Before/after meal

9.email

Field Name	Data Type	Constraint	Description
email_id	bigint	Not null	email number
email_from	text	Not null	Email sender
email_to	text	Not null	Email reciver
subject	text	Not null	Email subject
body	text	Not null	Email body
template	text	Not null	Email template name
date_time	timestamp	Not null	Email date and time

10.email\_template

Field Name	Data Type	Constraint	Description
email_id	bigint	Not null	Primary key
template	text	Not null	Template name
subject	text	Not null	Email subject
body	text	Not null	Email body
attach_file	text	Not null	Attach file name

11.email user

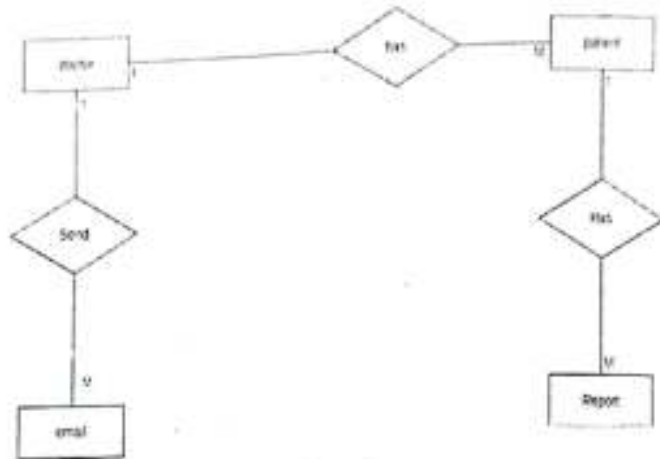
Field Name	Data Type	Constraint	Description
id	bigint	Not null	Primary Key
user_id	integer	Not null	User id(FK)
email	text	Not null	Email Address
password	text	Not null	Email pass codes
status	boolean	Not null	Pass codes verification status

12.documents

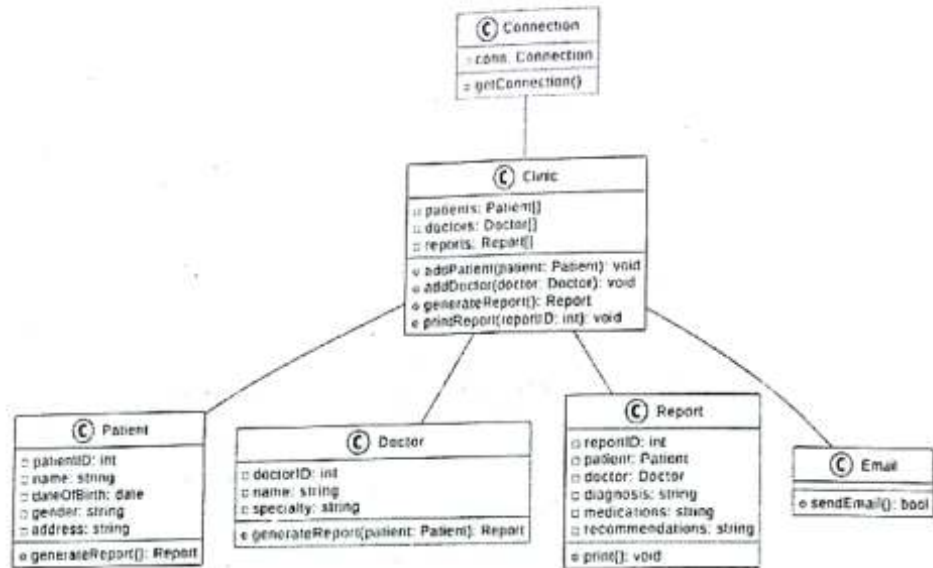
Field Name	Data Type	Constraint	Description
id	integer	Not null	Primary Key
filename	character varying	Not null	File name
content	bytea	Not null	File content in bytes
compression	character varying	Not null	Compression technique name
file_ref_name	text	Not null	File reference name

a) System Diagram

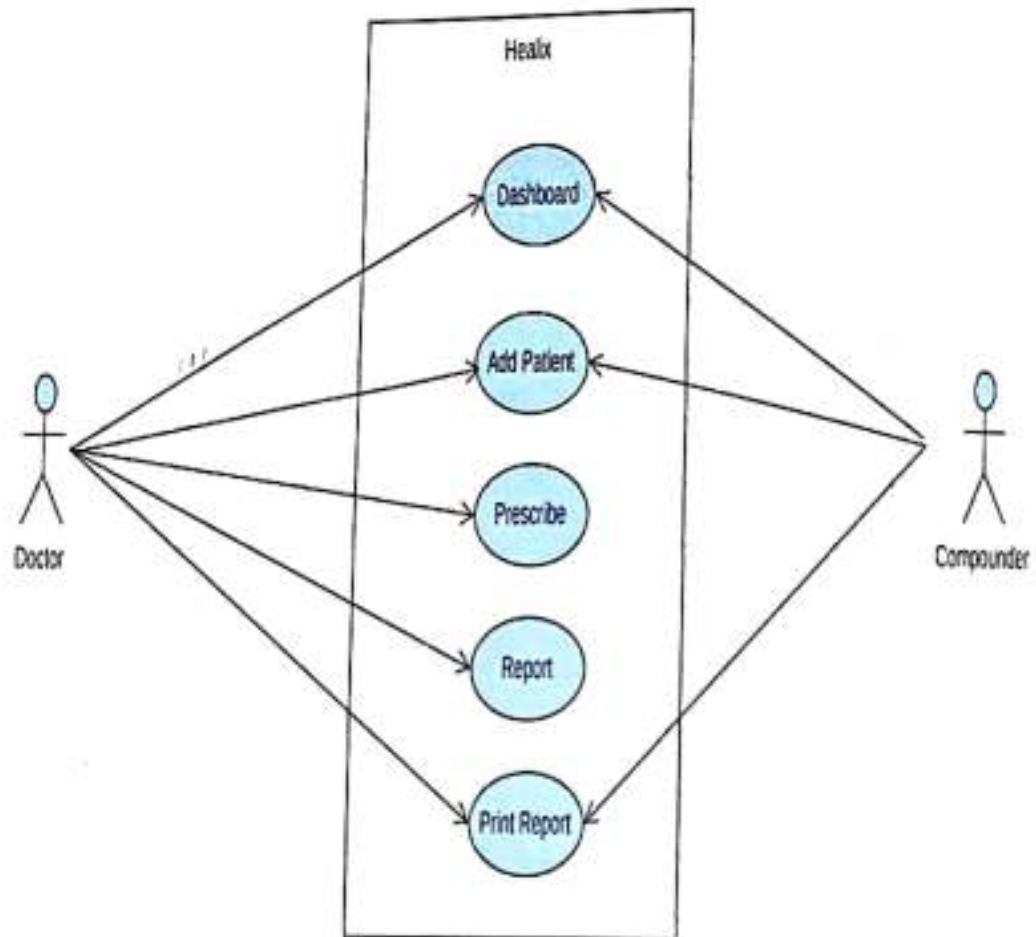
i. Entity Relationship Diagram



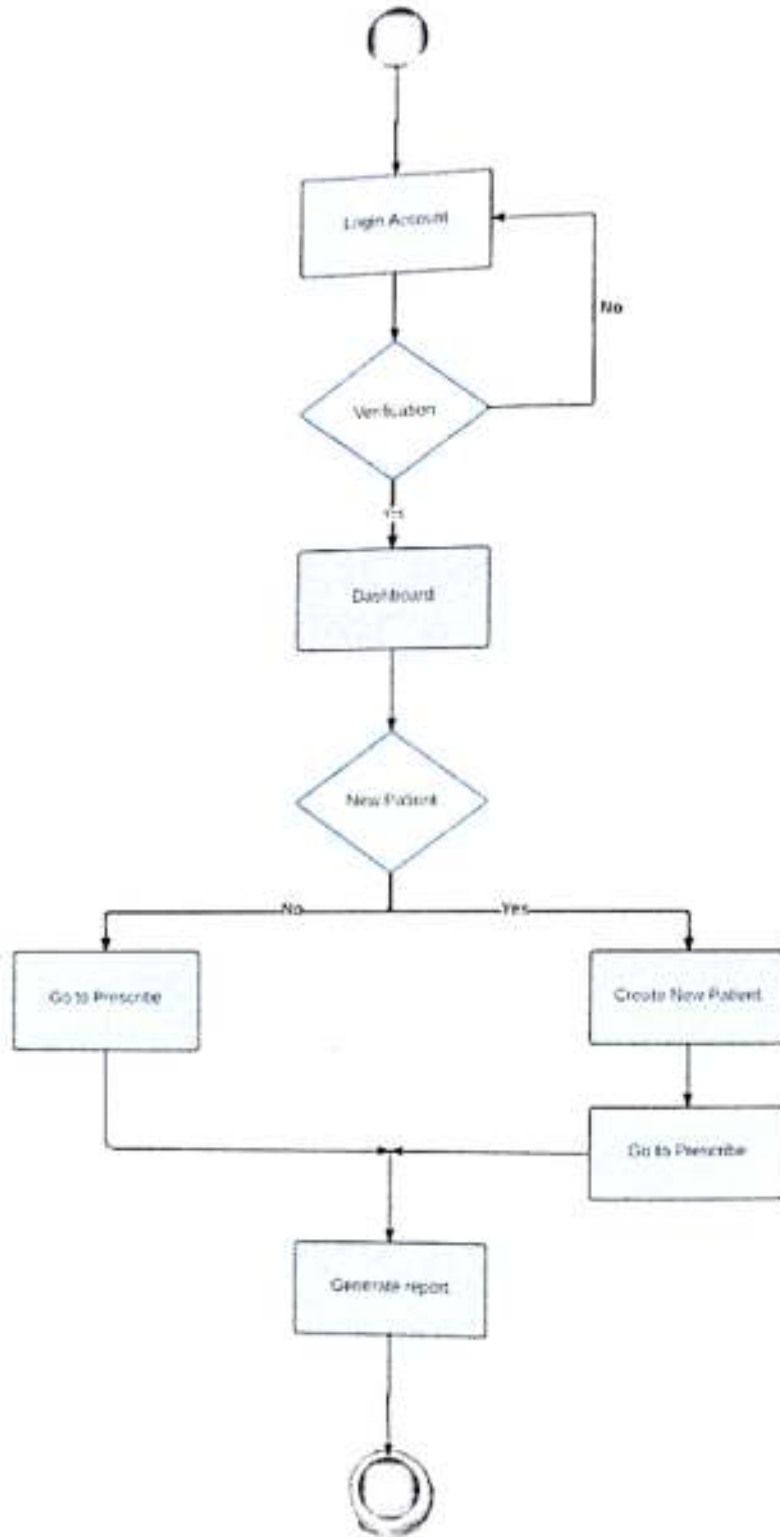
## ii. Class Diagram



### iii. Use Case Diagram

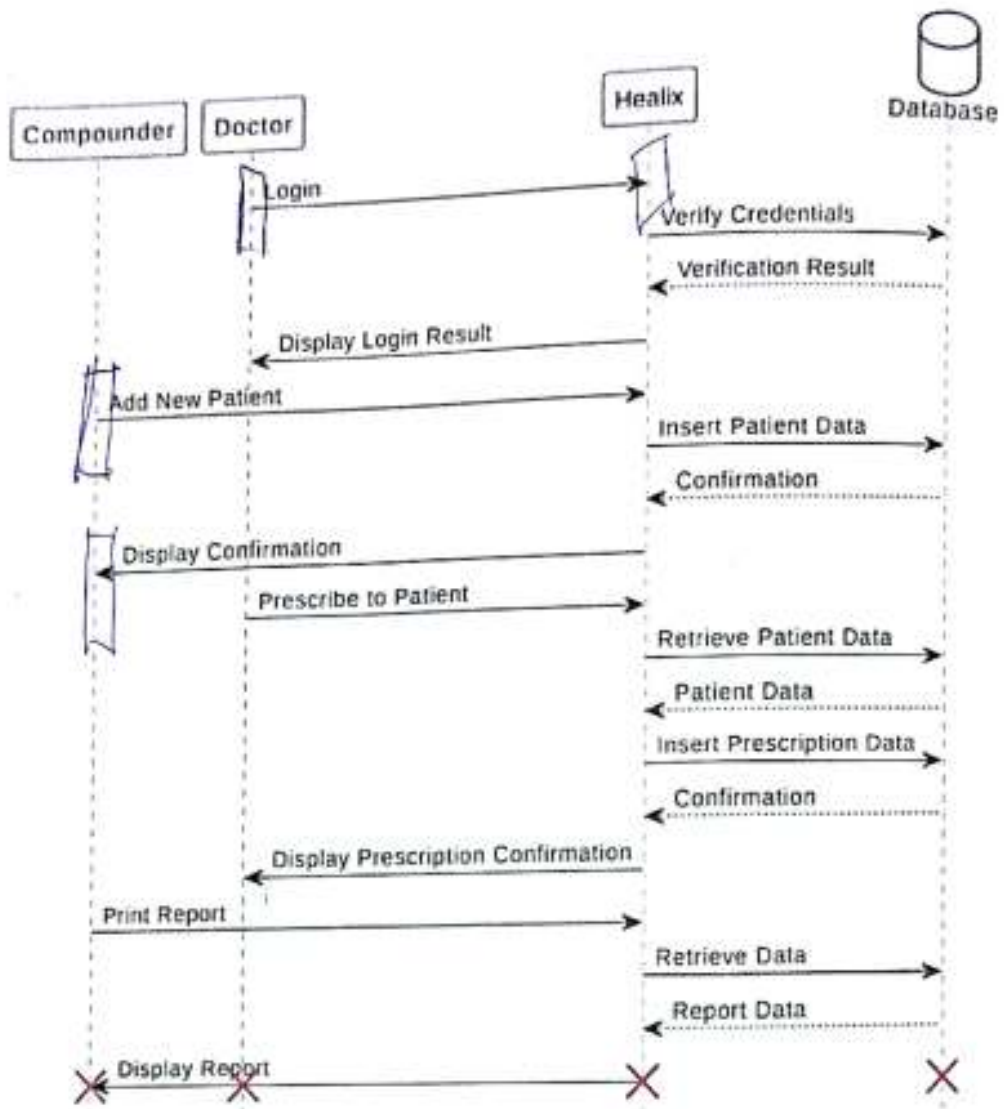


iv. Activity Diagram

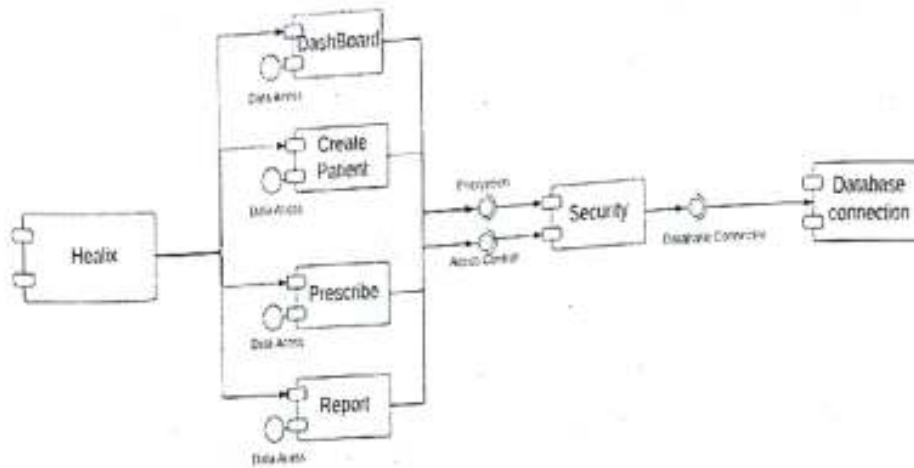




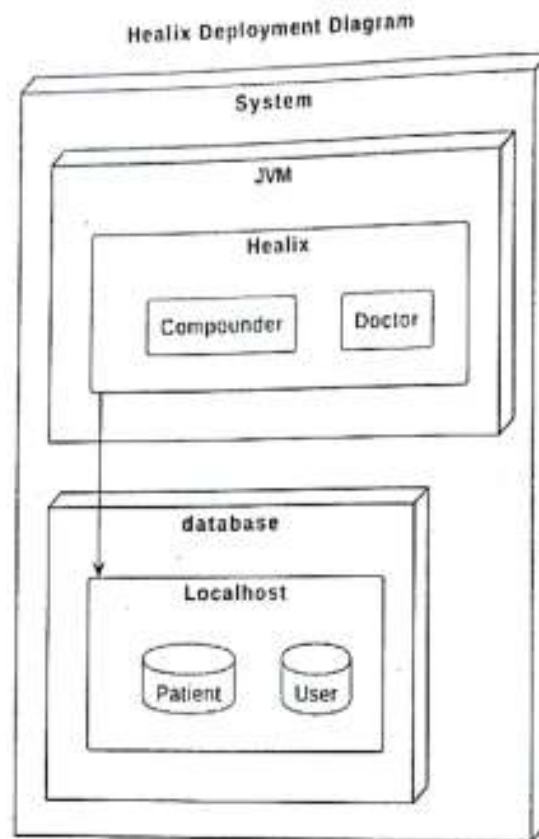
## v. Sequence Diagram



## vi. Component Diagram



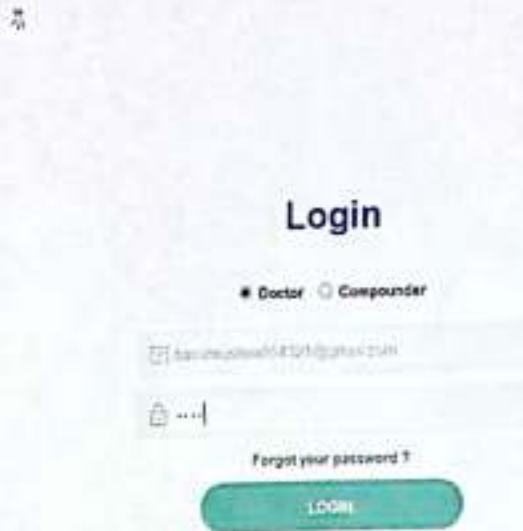
## vii. Deployment Diagram



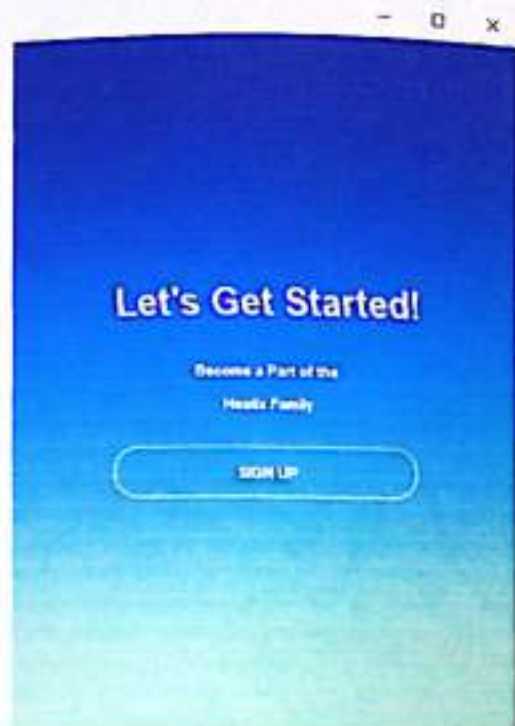
# System Design

## a) User Input / output Interface

### 1.Login page

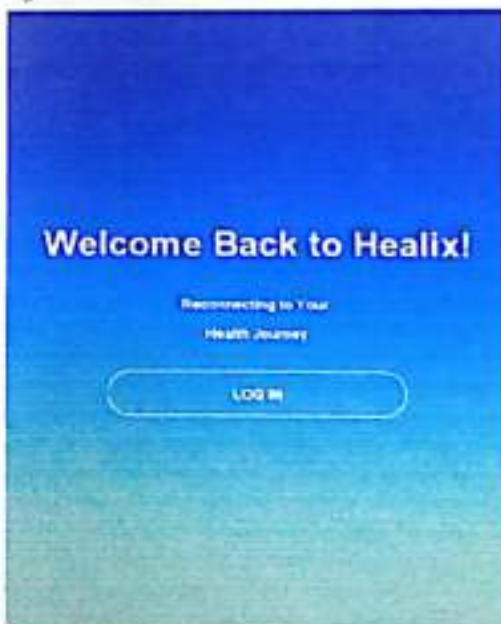


The login page features a white background with a light blue header. At the top center, the word "Login" is displayed in a bold, black font. Below the title, there are two radio buttons: "Doctor" (selected) and "Compounder". A text input field contains the email address "john.smith@healix.com". Below the email field is a password input field with a lock icon and a "Forgot your password?" link. At the bottom, there is a green "LOGIN" button.

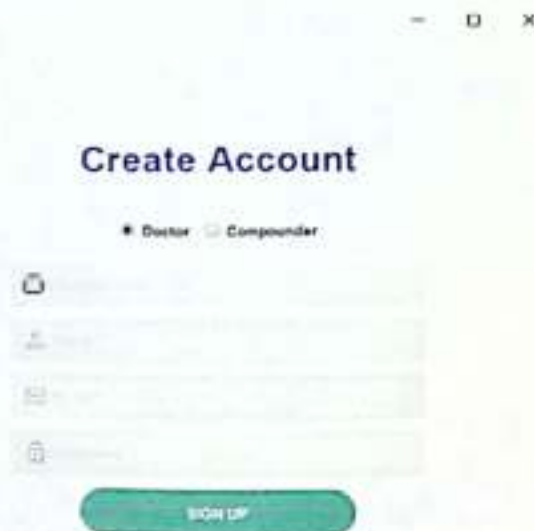


The "Let's Get Started!" page has a blue gradient background. The text "Let's Get Started!" is centered in a white, bold font. Below it, the text "Become a Part of the Healix Family" is centered in a smaller white font. A white "SIGN UP" button is centered at the bottom.

### 2.SignUp page



The "Welcome Back to Healix!" page has a blue gradient background. The text "Welcome Back to Healix!" is centered in a white, bold font. Below it, the text "Reconnecting to Your Health Journey" is centered in a smaller white font. A white "LOG IN" button is centered at the bottom.



The "Create Account" page has a white background with a light blue header. At the top center, the text "Create Account" is displayed in a bold, black font. Below the title, there are two radio buttons: "Doctor" (selected) and "Compounder". There are four text input fields for registration details. At the bottom, there is a green "SIGN UP" button.

### 3. Dashboard



### 4. Add New Patient





## 7. Prescription Page



## 8. Prescription Edit Page



## 9. Prescription Report Page

Shri Guru Clinic

Dashboard Prescription Reports Medical Reports

Prescription Report Test Report Medical Report

Pat: 2 Name: Pawan Date: 2024-03-18

Age: — Weight: —

Mobile No: 1234567890

**Rx**

Medicine Name	Dosages	Instruction	Quantity
PARACETAMOL	1 TAB 1-D-1	Simplest	4
TAB MYOC	1 TAB 1-D-1	Simplest	4

Dr. Ajit Pawar

## 10. Test Report Page

Shri Guru Clinic

Dashboard Prescription Reports Medical Reports

Prescription Report Test Report Medical Report

Pat: 1 Name: Anshika Date: 2024-03-18

Age: — Weight: —

Mobile No: 1234567890

**Rx**

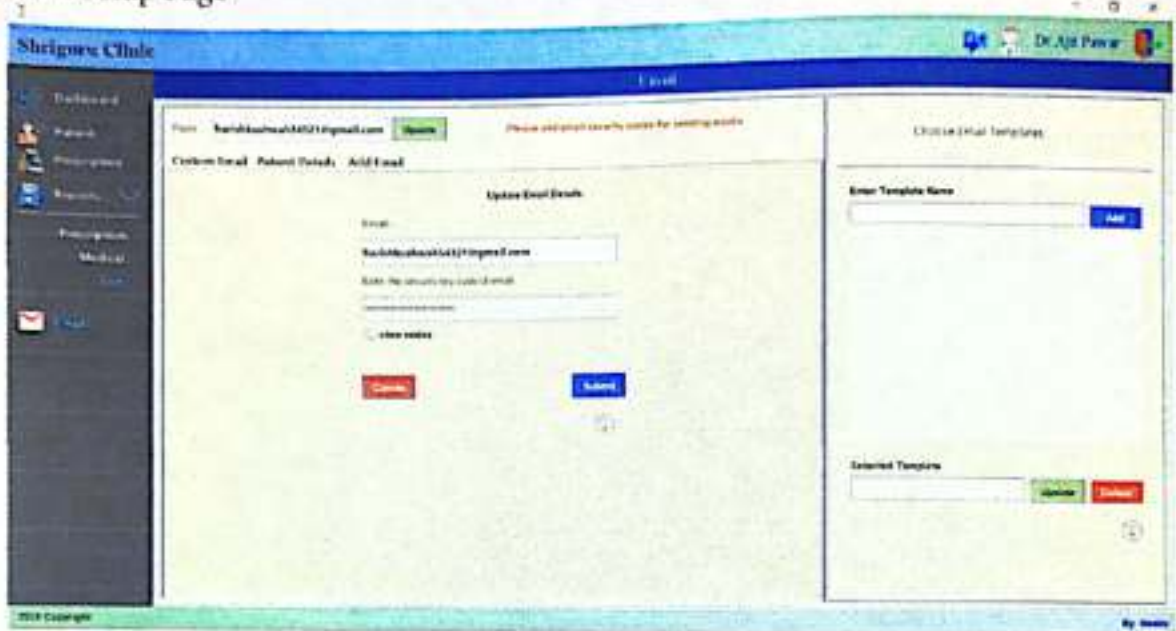
Report Name
CRC
CHEST

Dr. Ajit Pawar

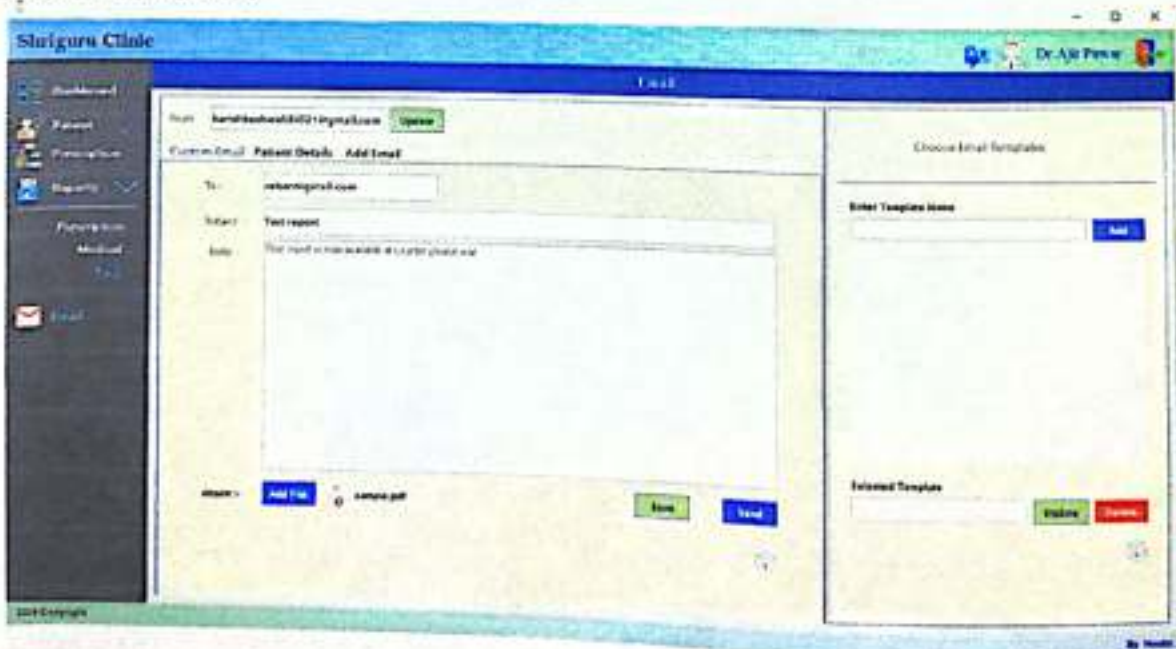




### 13 Email Setup Page



### 14. Custom Email page



## 15. Patient Details

Shriguru Clinic

Dashboard Patients Prescriptions Reports Prescriptions Medical Email

From: shriguru@gmail.com

Custom Email Patient Details Add Email

From Email: shriguru@gmail.com

Subject: Test report

Enter Patient Name:

Body: Test report is not available at current phase visit

Visit	Date	Last
1	2014-03-18	

Attachments:

Check Email Template

Enter Template Name:

Selected Template:

2014 Copyright

## 16. Add Email Template

Shriguru Clinic

Dashboard Patients Prescriptions Reports Prescriptions Medical Email

From: shriguru@gmail.com

Custom Email Patient Details Add Email

Template Name: TEST REPORT HISTORY

Subject: Test Report

Body: Test report is not available at current phase visit

Attachments:

Template saved successfully

Check Email Template

Enter Template Name:

Selected Template:

2014 Copyright

## System Testing

### ➤ Implementing Testing Strategy

#### ▪ Login Screen Verification

Description: Verify the appearance and functionality of the login screen.

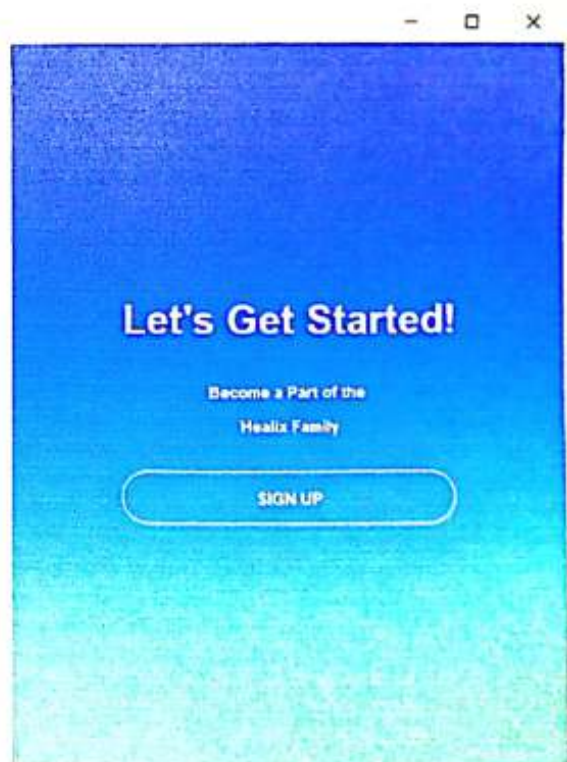
Steps:

- Launch the application.
- Navigate to the login screen.
- Verify that all UI elements (username field, password field, login button) are visible and aligned correctly.
- Enter valid credentials and click the login button.
- Verify that the application proceeds to the next screen or displays an appropriate error message for invalid credentials.

Expected Result: The login screen should display all UI elements correctly, and logging in with valid credentials should proceed to the next screen.

Image Section:

Correct Login details



- **Patient Information Entry**  
Description: Verify the functionality of adding patient information.

Steps:

- Navigate to the patient information entry screen.
- Verify that all required fields (name, age, gender, etc.) are present and visible.
- Enter valid patient information into the fields.
- Click the save button to save the information.
- Verify that the information is saved successfully and appears correctly in the application.

Expected Result: Patient information should be entered and saved successfully, and it should display correctly in the application.

Image Section:



## Report Generation

Description: Verify the functionality of generating reports for patients.

Steps:

- Navigate to the Prescription screen.
- Enter the patient details.
- Prescribe the medicines.
- Configure the report options as needed.
- Click the save & next button.
- Verify that the report is generated successfully and displayed on the screen.

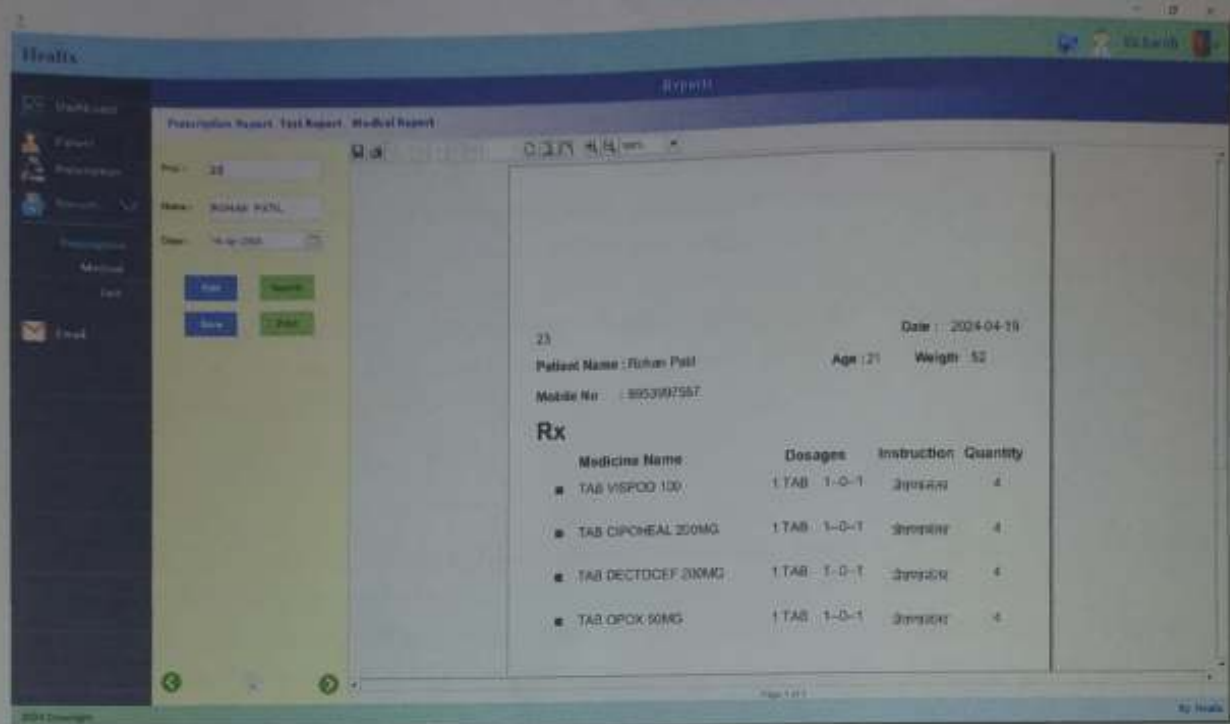
Expected Result: The report should be generated accurately based on the selected options and displayed correctly on the screen.

Image Section:

Prescription



## Prescription Report generated



In conclusion, the testing process for the Healix desktop Java application with Swing UI was thorough and successful. By meticulously verifying each functionality, including login screen validation, patient information entry, report generation we ensured that the application performs as expected and meets user requirements. The inclusion of actual images of the test screens provided visual confirmation of the application's appearance and behavior, enhancing the reliability of the testing process. Overall, the comprehensive testing efforts reaffirm the quality and usability of the Healix application, setting a strong foundation for its successful deployment and use in healthcare management.

## Conclusion and Future Plans

### ➤ Conclusion

In conclusion, the development and testing of the "Healix" Healthcare Management System have been completed successfully. Through rigorous testing and collaboration, we have ensured that the system meets the required standards of functionality, reliability, and usability. The contributions of our team members, supervisors, and stakeholders have been invaluable in achieving this milestone. The "Healix" system stands ready to revolutionize healthcare management by streamlining patient information management, enhancing communication between healthcare practitioners and patients, and improving overall efficiency in healthcare delivery.

### ➤ Future Plans

Looking ahead, our focus will be on further refining and enhancing the "Healix" system to meet evolving user needs and technological advancements. Some key future plans include:

**Continuous Improvement:** We will continue to gather user feedback and conduct usability testing to identify areas for improvement and implement enhancements to the system's features and functionality.

**Integration of Advanced Technologies:** We plan to explore the integration of advanced technologies such as artificial intelligence (AI) and machine learning (ML) to enhance the predictive capabilities of the system and support more personalized healthcare delivery.

**Expansion of User Base:** We aim to expand the user base of the "Healix" system to reach a broader audience of healthcare practitioners and institutions, thereby maximizing its impact on the healthcare industry.

**Compliance and Security:** We will remain vigilant in ensuring compliance with healthcare regulations and standards, as well as implementing robust security measures to safeguard patient data and privacy.

Overall, our future plans are driven by our commitment to delivering excellence in healthcare management and making a positive impact on patient care and outcomes. With dedication, innovation, and collaboration, we are confident in the continued success and growth of the "Healix" system in the years to come.





# NEW HORIZON GLOBAL EXPORTS

DEVELOPING SOFTWARE, DELIVERING TRUST

Plot No. 21, Survey No. 7/1, Khansaheb Bungalow Area, Malegaon, Maharashtra 423203

Web : [www.nhgexports.com](http://www.nhgexports.com)

Email : [support@nhgexports.com](mailto:support@nhgexports.com)

Phone : +91-742-007-5353

GST: 27AJRPT0087C1ZX

## OFFER LETTER

December 28th, 2023

Ms. Ishwari Haridas Shewale

Bajrang Wadi, At Post Takali

Tal. Malegaon, Dis. Nashik 423208

Dear Ishwari,

I hope this message finds you well. I am writing with reference to your interview with us on December 20th, 2023.

It is our pleasure to inform you that, upon assessment, we have found your skills and competencies to match our requirements. Accordingly, we are delighted to offer you an opportunity to join our company for a period of 5 months. During this time, you will be designated as an IT Trainee.

Further details and the scope of your project will be provided to you on your first day at the company. Upon successful completion of your training, you will be issued a certificate by New Horizon Global Exports. Additionally, you will be required to submit a detailed project report before the conclusion of your training.

Your training period with our company will involve working with important and sensitive information, records, and other matters of the company. Therefore, you will be required to sign a code of conduct and secrecy agreement on the first day of training.

Please sign the enclosed copy of this letter to indicate your acceptance of the above terms and conditions of this offer and return it to us at your earliest convenience.

We look forward to welcoming you to our team.

Best Regards,

New Horizon Global Exports

  
Proprietor





# CERTIFICATE

## OF TRAINING AND COMPLETION

This is to certify that

*Ishwari Shewale*

---

a student of the Department of Computer Science,  
M.S.G. College, Malegaon, has successfully  
completed industrial training at

**NEW HORIZON GLOBAL EXPORTS**

from January 1, 2024, to May 31, 2024.

In recognition of her dedication and hard work, we  
present this certificate with our best wishes for her  
future endeavors.

New Horizon Global Exports

*[Signature]*  
Proprietor



June 1st, 2024



# PAARSH INFOTECH PVT.LTD.

*Dream for it, work for it...*

---

TO WHOMSOEVER IT MY CONCERN  
INTERNSHIP OFFER LETTER

DATE: 13<sup>th</sup> January 2024

MISS: SONAWANE POOJA ARUN

Email: [sonawane.pooja201020@gmail.com](mailto:sonawane.pooja201020@gmail.com)

College: M.S.G. College Malegaon.

I welcome you to PAARSH INFOTECH PVT LTD. for a Java Development Internship .From 16th January 2024 to 16th July 2024 At Paarsh InfoTech Pvt Ltd., we think that our people are our most valuable asset, and we Take pleasure in hiring only the finest and brightest.

We are convinced that you will contribute significantly to the venture's overall success, and we wish you the most entertaining, educational, and genuine Internship experience with PAARSH INFOTECH PVT. LTD.

We offer you a six-month Java Development Internship package if you join us. Don't hesitate to contact us if you require any other information. Also, please, accept by signing the hard copy and returning it to us.

**Congratulations...!**

REGARDS FOR,  
PAARSH INFOTECH PVT.LTD .

Authorized Signatory  
Mr. Tushar K. Pagare  
Director

---

Office 01, Bhakti Apartment, Near Hotel Rasoi, Suchita Nagar Mumbai Naka Nashik  
422009 Website: [www.paarshinfotech.com](http://www.paarshinfotech.com) E-Mail [info@paarshinfotech.com](mailto:info@paarshinfotech.com)  
Contact – 9860988343/9075201035



# PAARSH INFOTECH PVT.LTD.

*Dream for it, work for it...*

TO WHOMSOEVER IT MY CONCERN  
INTERNSHIP OFFER LETTER

DATE: 13<sup>th</sup> January 2024

MISS: BHAMARE JAGRUTI SUNIL

Email: [bhamarejagruti02@gmail.com](mailto:bhamarejagruti02@gmail.com)

College: M.S.G. College Malegaon.

I welcome you to PAARSH INFOTECH PVT LTD. for a Java Development Internship . From 16th January 2024 to 16th July 2024 At Paarsh InfoTech Pvt Ltd., we think that our people are our most valuable asset, and we Take pleasure in hiring only the finest and brightest.

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Congratulations...!

REGARDS FOR,  
PAARSH INFOTECH PVT.LTD .

Authorized Signatory  
Mr. Tushar K. Pagare  
Director

Office 01, Bhakti Apartment, Near Hotel Rasoi, Suchita Nagar Mumbai Naka Nashik  
422009 Website: [www.paarshinfotech.com](http://www.paarshinfotech.com) E-Mail [info@paarshinfotech.com](mailto:info@paarshinfotech.com)  
Contact - 9860988343/9075201035



# CERTIFICATE

## OF TRAINING AND COMPLETION

This is to certify that

*Vishakha Shirsath*

---

a student of the Department of Computer Science,  
M.S.G. College, Malegaon, has successfully  
completed industrial training at

**NEW HORIZON GLOBAL EXPORTS**

from January 1, 2024, to May 31, 2024.

In recognition of her dedication and hard work, we  
present this certificate with our best wishes for her  
future endeavors



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**Email :** support@nhgexports.com

**Phone :** +91 742-007-5353

**GST:** 27AJRPT0087C1ZX

## OFFER LETTER

December 28th, 2023

Ms. Vishakha Ashokrao Shirsath

At Post Utrane, Tal. Baglan

Dis. Nashik 423204

Dear Vishakha,

I hope this message finds you well. I am writing with reference to your interview with us on December 20th, 2023.

It is our pleasure to inform you that, upon assessment, we have found your skills and competencies to match our requirements. Accordingly, we are delighted to offer you an opportunity to join our company for a period of 5 months. During this time, you will be designated as an IT Trainee.

Further details and the scope of your project will be provided to you on your first day at the company. Upon successful completion of your training, you will be issued a certificate by New Horizon Global Exports. Additionally, you will be required to submit a detailed project report before the conclusion of your training.

Your training period with our company will involve working with important and sensitive information, records, and other matters of the company. Therefore, you will be required to sign a code of conduct and secrecy agreement on the first day of training.

Please sign the enclosed copy of this letter to indicate your acceptance of the above terms and conditions of this offer and return it to us at your earliest convenience.

We look forward to welcoming you to our team.

Best Regards,

**New Horizon Global Exports**

  
**Proprietor**



# **HINDUSTAN COMPUTERS**

This is certify that Miss. Shewale Prajakta Sanjay and Miss. Deo Megha Dattatray of M.Sc.(CS), **M. S. G. Arts, Science and Commerce college Malegaon.(NASHIK)** are currently doing their Internship project with Hindustan Computers under the guidance of **Mrs. Neeta Lad.**

Duration of project is from 1<sup>nd</sup> January 2024 to 30<sup>th</sup> May 2024.

TO WHOM IT MAY CONCERN  
INTERNSHIP OFFER LETTER

Issue Date: January 1, 2024

Kadam Vaishnav Bhausahab  
Email: vaishnavkadam7499@gmail.com  
College: M.S.G. College Malegaon

I welcome you to **SHARIZ TECH PRIVATE LIMITED** for a **.NET Developer Internship** from January 1, 2024 to May 31, 2024 at SHARIZ TECH PRIVATE LIMITED. We think that our people are our most value able asset and we take pleasure in hiring only the finest and brightest.

We are convinced that you will contribute significantly to the ventures overall success and we wish you the most entertaining, educational and genuine internship experience with SHARIZ TECH PRIVATE LIMITED.

We offer you a six month .NET Developer Internship Package if you join us. Don't hesitate to contact us if you require any other information. Also, please accept by signing the hard copy and returning it to us.

**Congratulations...!**

Regards,  
**SHARIZ TECH PRIVATE LIMITED**



**Authorized Signatory**  
**Mohammad Shafeeqe**  
**Director**

**SHARIZ TECH PRIVATE LIMITED**





# ABSOLUTE SOFTWARE

Bagul Satyam Sanjay

Subject: Offer Letter for Internship

Dear Satyam,

In reference to your application we would like to congratulate you on being selected for internship with Absolute Software based at Pune. Your training is scheduled to start effective 01/01/2024 for a period of 5 months.

As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts through hands-on application of the knowledge you learned in class.

The project details and technical platform will be shared with you on or before commencement of training

Again, congratulations and we look forward to working with you.

Absolute Software Pvt. Ltd

General Manager

---

**Phone**

0689015530

**Email**

asbnar670@gmail.com

**Website**

absolutesoftware.in





**PAARSH INFOTECH PVT.LTD.**  
*Dream for it, work for it...*

---

TO WHOMSOEVER IT MY CONCERN  
INTERNSHIP OFFER LETTER

DATE: 13<sup>th</sup> January 2024

MISS: SONAWANE POOJA ARUN

Email: [paarshinfotech2010706@paarshinfotech.com](mailto:paarshinfotech2010706@paarshinfotech.com)

**College: M.S.G. College Malegaon.**

I welcome you to PAARSH INFOTECH PVT LTD. for a Java Development Internship . From 16th January 2024 to 16th July 2024 At Paarsh InfoTech Pvt Ltd., we think that our people are our most valuable asset, and we Take pleasure in hiring only the finest and brightest.

We are convinced that you will contribute significantly to the venture's overall success, and we wish you the most entertaining, educational, and genuine Internship experience with PAARSH INFOTECH PVT. LTD.

We offer you a six-month Java Development Internship package if you join us. Don't hesitate to contact us if you require any other information. Also, please, accept by signing the hard copy and returning it to us.

**Congratulations...!**

REGARDS FOR,

PAARSH INFOTECH PVT.LTD .

Authorized Signatory

Mr. Tushar K. Pagare  
Director



Date: 07<sup>th</sup> May 2024

## Internship Completion Certificate

This is to certify that Miss. Sonawane Pooja Arun of M.S.G College Malegaon. She completed her internship at **Paarsh Infotech Pvt Ltd.** From 1<sup>st</sup> January 2024 to 31<sup>th</sup> May 2024.

During this internship, she worked on a Java development-based Project.  
A small description of work done by the intern during this period:

- 1) Understand the HTML, CSS, JS, etc. language.
- 2) Understand how to develop Software in Front Programming.
- 3) Understand how to create Object Oriented Programming.
- 4) Create SQL Database, Front end, and back end.

We found her extremely Curious and hard-working. Her association with us was very fruitful and we wish her all the best in his future endeavors.

Sincerely,



Director

**Paarsh Infotech Pvt Ltd.** Date: 07<sup>th</sup> May 2024 PAARSH INFOTECH PVT LTD. Regd. Office: 02,  
Bhakti Apartment, Near Hotel Rasoi, Suchita Nagar, Mumbai Naka, Nashik. -422009 Tel:  
9860988343/9075201035 [www.paarshinfotech.com](http://www.paarshinfotech.com)

**RhythmFlows  
Solutions Pvt. Ltd.**

25, Pragati Complex, 17/18,  
Kothrud Ind. Estate, Kothrud,  
Pune, Maharashtra 411038

Phone: +91 705 777 8221

E-mail:  
rahul@rhythmflows.com



**Name of the Recipient**  
**DIVYANI SHEWALE**

**Address**  
Opp. Shri Ram Temple, Tehare,  
Malegaon, Nashik - 423105

---

**Offer Letter**

**1st Jan 2024**

With reference to your application and the subsequent interview with us, we are pleased to inform you that you been selected as **Trainee Software Developer** with our organization, based at our **Pune** office. As a part of your onboarding, you will undergo a 2 months on-job training on software development over live projects using Angular, Python and PostgreSQL. Post the successful completion of training, you will continue as full-time developer with compensation benefits as per company standards. The key components of your offer are as detailed below.

**Title:** The title that you would be using both internally and externally would be **Team Member - Development**.

**Joining Date:** You are expected to join us by **1st Jan, 2024**.

Your appointment is subject to you being medically fit and the receipt of satisfactory references and background checks. In this regard you are requested to furnish the necessary declarations and details as per existing Company Policy.

Please sign and return the copy of this letter as a token of your acceptance.

For RhythmFlows Solutions Pvt. Ltd.

  
Rahul Deokar - Director

---

**RhythmFlows  
Solutions Pvt. Ltd.**

25, Pragati Complex, 17/1B,  
Kothrud Ind. Estate, Kothrud,  
Pune, Maharashtra 411018

Phone: +91 705 777 8221

E-mail:  
rahul@rhythmflows.com



RhythmFlows

**Name of the Recipient**

Divyani Shewale

**Address**

Opp. Shri Ram Temple, Tehare,  
Malegaon, Nashik - 423105

---

**Experience & Relieving Letter**

**25th May 2024**

This is to certify that **Ms. Divyani Bhaskar Shewale** was employed with us as 'Software Developer'. She has been relieved of her duties as of today post completion of all relieving formalities.

The details of her employment are as follows:

Employee ID: RHY0017

**Employment Start Date** : 01-Jan-2024

**Last Working Day** : 31-May-2024

**Last Work Profile** : Software Developer

Divyani's conduct during her employment was found satisfactory and there are no dues from her towards the company. We wish her a successful career ahead!

For RhythmFlows Solutions Pvt. Ltd.

**Rahul Deokar - Director**





Late T.S.Hiray Education Society's

Phone : (02554) 275335

# Jaihind English Medium School

DABHADI, TAL. MALEGAON

शासन मान्यता क्रमांक : शिउसं/नावि/प्राथ-२/खाप्राशा/३०२०/२१/२००९-१० दि.१५/२/२०१०

UDISE NO. - 27200702517

School Index No. S-13.06.091

College Index No.J-13.06.030

Ref.No. 277/2023-24

Date : 15/04/2024

## CERTIFICATE OF INTERNSHIP

This is to certify that Miss.Megha Hilal Khairnar , student of Maharaj Sayajirao Gaikwad of Arts,Science & Commerce College , Malegaon has successfully completed the 120 hour of Internship programme from 20<sup>th</sup> February 2024 to 27<sup>th</sup> March 2024 in our Jaihind English Medium School & Jr. College ,Dabhadi Tal.Malegaon Dist.Nashik .

Signature of Authorized

PRINCIPAL  
JAIHIND ENGLISH MEDIUM SCHOOL  
& JUNIOR COLLEGE OF SCIENCE,  
DABHADI, Tal, Malegaon (Nashik) 423 201

PRINCIPAL  
JAIHIND ENGLISH MEDIUM SCHOOL  
& JUNIOR COLLEGE OF SCIENCE  
DABHADI, Tal, Malegaon (Nashik) 423 201





**ASHRAF COMPUTERS**

# **Certificate of Internship**

**This certificate is proudly presented to**

**MOHAMMED HASAN MUSHTAQUE AHMED**

For his outstanding completion of the compulsory internship  
program as A Programmer at  
ASHRAF COMPUTERS . from 20 Feb. to 15 March 2024

15 MARCH 2024

DATE

Signature



# CERTIFICATE OF INTERNSHIP



This internship program certificate is awarded to

**Momin Musfera Naaz**

For her completion of the compulsory internship program  
AL-Musfera Electrical Enterprises from January to March  
2024.

  
PROPRIETOR

Shabbir Ahmad

**OWNER**



Mubasshir

**Program Manager**

# INTERNSHIP COMPLETION CERTIFICATE

AL-Musfera Electricals

To,

The Principal,

MS & College,

Malegaon (Place)

Subject: Internship Completion Certificate .....

Dear Madam/ Sir,

I am happy to inform you that following student of your college have successfully completed the 'Sixty Hours Internship Programme' in this organization.

Sr. No.	Name of the student	Roll No.	Aadhar No.	Special Subject
1	Momin Musfera Naaz	11	5071 1887 1725	Mathematics

This student has been provided with adequate exposure and necessary hands-on training pertaining to his/her special subject.


I am confident that this student will perform effectively in similar type of organizations.

I wish him/her every success in future endeavors

Thankyou

Sincerely,

AL MUSFERA ELECTRICALS ENTERPRISES

  
Name & signature  
PROPRIETOR  
(Authorised signatory)

१९७२ पासुन विश्वस्त सराफ

# शरद नामदेव दुसाने ज्वेलर्स

विश्वास मांगल्याना...

SHARAD NAMDEO DUSANE JEWELERS LLP



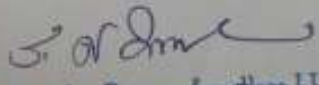
GSTIN : 27AELFS4750C1ZY


Date – 01<sup>st</sup> March 2024

Miss. Kalyani Sajan Pawar  
M.S.G COLLEGE  
Malegaon.

Dear Kalyani,

This is to certify that Miss. Kalyani has complete the internship with Sharad Namdev Dusane Jewellers LLP for the period of 20<sup>th</sup> February 2024 to 26<sup>th</sup> February 2024 as a Marketing Trainee. She has been involved in marketing Activity/ Tele calling. Her performance has been very good. We find her very sincere and hard working. We wish her bright prospects in the future engagements.

  
Sharad Namdeo Dusane  
Partner / Director

  
Mr. Gokul Sharad Dusane



# शांतीनाथ शिक्षण प्रसारक संस्था (वाडा)

SHANTINATH SHIKSHAN PRASARAK SANSTHA (WADA)

नोंदणी क्रमांक महा १६७/१६/ठाणे. एफ/४९९६/ठाणे. दि. १४/०५/१९९६

I.T. Act. 1961/80 - G.No. Pn. 165/S - 1286/97 Date : 4-2-1997

ॐ मद्गुरु

कार्यालय : श्री स्वामी समर्थ सदन, शासत्री नगर, वाडा, ता.वाडा, जि. ठाणे, पिन - ४२१३०३ मो. : ८०५५३३४०९९

क्र - 127/12/2024

दिनांक - 20/03/2024

Miss. Nikam Asmita Bhagwant

MSG college,

Malegaon.

Dear Student

This is to certify that, Miss. Nikam Asmita Bhagwant has completed the internship with Madhyamik Vidyalay School, Dhandri Tal, Satana for the Period of 21/02/2024 to 22/03/2024 as Teaching trainee. She has been involved in teaching (Mathamatics) Activity. Her performance Has been very good. We find her very sincere and hardworking.

We wish he Bright prospects in the future engagement.

मुख्याचार्यक

माध्यमिक विद्यालय, चांदी  
ता. बंगलान, जि. नाशिक.

१९९३ चा सुवर्ण दिवसाला सलाम

शरद नामदेव दुसाने ज्वेलर्स

शुद्धता आणि विश्वास...

SHARAD NAMDEO DUSANE JEWELERS LLP



GSTIN : 27AELF54P50C129

Date - 01<sup>st</sup> March 2024

Miss. Chetna Savkar Pawar

M S G COLLEGE

Malegaon.

Dear Chetna,

This is to certify that Miss. Chetna has complete the internship with Sharad Namdev Dusane Jewellers LLP for the period of 20<sup>th</sup> February 2024 to 26<sup>th</sup> February 2024 as a Marketing Trainee. She has been involved in marketing Activity/ Tele calling. Her performance has been very good. We find her very sincere and hard working.

We wish her bright prospects in the future engagements.

Mr. Sharad Namdeo Dusane

Mr. Gokul Sharad Dusane

Sharad Namdeo Dusane Jewellers LLP

Partner / Director

१९७२ चातुन विवता सराफ

शरद नामदेव दुसाने ज्वेलर्स

विश्वास मंगल्ल्याचा...

SHARAD NAMDEO DUSANE JEWELERS LLP



GSTIN : 27AELFS4750CIZY

Date – 01<sup>st</sup> March 2024

Miss. Gayatri Pratap Sonwane

M.S.G COLLEGE

Malegaon.

Dear Gayatri,



This is to certify that Miss. Gayatri has complete the internship with Sharad Namdev Dusane Jewellers LLP for the period of 20<sup>th</sup> February 2024 to 26<sup>th</sup> February 2024 as a Marketing Trainee. She has been involved in marketing Activity/ Tele calling. Her performance has been very good. We find her very sincere and hard working.

We wish her bright prospects in the future engagements.

Sharad Namdeo Dusane Jewellers LLP  
Mr. Sharad Namdeo Dusane

Partner / Director

Mr. Gokul Sharad Dusane

	<p>आदिवासी सेवा समिती,नाशिक संचालित <b>माध्यामिक व उच्च माध्यमिक आश्रम शाळा,मानूर</b> ता.कळवण जि.नाशिक</p>	संस्थापक
	<p>स्थापना ता.१४/०७/१९७२ फोन :०२५९२ – २२१०७६ माध्य.शाळा मंजूरी क्र.शा.निर्णय शिक्षण विभाग एसएसएन/३८७०/१३४६४२ ई-दि.२९/५/१९७२ उच्च माध्य.शाळा मंजूरी शा.निर्णय क्र.अआशा-२०११/प्र.क्र.१५९/का.११(२) मंत्रालय मुंबई-३२ दि.३१/१२/२०११ एस.एस.सी.बोर्ड नं.- एस १३.०५.००३ एच एचसी बोर्ड नं.- जे १३.०५.०१५ यु-डायसन. 27200609104</p>	 कर्मवीर भाऊसाहेब हिरे

जा.कू.समक्ष/२०२४-२०२५

Date - ०८/०६/२०२४

Mr.Desale Parag Sahebrao

MSG College

Malegaon.

Dear Student

This is to certify that,Mr.Desale Parag Sahebrao has completed the Intership with K.B.H.Praimary,Secondary & Higher Secondary Ashram School Manur (Klawan).For the Period of 26/02/2024 to 30/03/2024 as Teaching Trainee.He has been involved in Teaching (Mathematics) Activity.His Performance Has been very good.We find he very sincere and hardworking.

We wish his bright prospects in the future engagements.

  
**Principal**  
Higher Secondary Ashram Shala  
Manur, Tal. Kalwan,(Nashik)

SP CLASSES MALEGAON

THIS CERTIFIES THAT

# INTERNSHIP

The certificate is proudly presented to

**Borse Pallavi Sanjay**

For her outstanding completion of the compulsory  
internship

SP CLASSES MALEGAON.FROM 6 MARCH 2024

SP CLASSES MALEGAON

PROPRIETOR



Signature

6-3-24

DATE





TAX INVOICE

|| SHREE ||

MOB. 9830595797

## KHUSHBU MOBILE SHOPPE

MAIN ROAD, KALWAN (NASHIK)

SALES AND SERVICE

Mr. Nilesh Lalchand Gaikwad

MSG College Malegaon

Dear student,

This is to certify that Mr. Nilesh Lalchand Gaikwad has completed the internship with Khushbu Mobile Repairing, Sales & services for the period of 1 April to 15 April 2024 as Mobile Repairing Trainee he has involved in Mobile Repairing Activity. His performance has been very good. We find he is very sincere and hardworking.

We wish his bright prospects in the future engagements.



*Sanket*

## INTERNSHIP COMPLETION CERTIFICATE

**Sushrut Computers, Shivaji Chowk,  
Chandwad-423101 (Dist - Nashik)**

To,  
The Principal,  
M.S.G.College Malegaon Camp,  
Dist - Nashik, Maharashtra

Subject: Internship Completion Certificate

Dear Sir,

I am happy to inform you that Pathan Yasmeen Asgarkhan studying in M.Sc (Mathematics) Sem-II, Roll No 19 of your college have successfully completed the 'One Hundred and Twenty Hours Internship Programme' in this organization.

Sr.No.	Name of the student	Roll No.	Aadhar No.	Special Subject
1	Pathan Yasmeen Asgarkhan	19	892377303120	MS-CIT

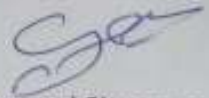
This student has been provided with adequate exposure and necessary hands-on training pertaining to her special subject.

I am confident that this student will perform effectively in similar type of organizations.

I wish her every success in future endeavors.

Thank you.

Sincerely,



Name and Signature

(Authorized Signature)

(Santosh T. Devare)



INTERNSHIP COMPLETION CERTIFICATE

Mudassir Nazar Pre-Primary School  
Malegaon Dist. Nashik

To,  
The Principal,  
MSG College,  
Malegaon\_423203

Subject: Internship Completion Certificate

Dear sir,

I am happy to inform you that following student of your college have successfully completed the 'Sixty Hours Internship Programme' in this organization.

Sr. No.	Name of the student	Roll No.	Aadhar No.	Special Subject
1	Shaikh Tuba Kausar Aslam	18	983871756415	Mathematics

This student has been provided with adequate exposure and necessary hands-on training pertaining to her special subject.

I am confident that this student will perform effectively in similar type of organizations.

I wish her every success in future endeavors.

Thank you.

Sincerely,

Humaira Bano



Head Mistress  
Mudassir Nazar Primary School  
Malegaon - 423203 (Nashik).

INTERNSHIP COMPLETION CERTIFICATE

Shifa Hospital

To,  
The Principal,  
M.S.G. College Malegaon Camp,  
Dist- Nashik, Maharashtra

Subject: Internship Completion Certificate

Dear Madam/ Sir,

I am happy to inform you that Arfa Anam Gulam Mustafa in M.Sc (Mathematics) sem-II, Roll no. 01 of your college have successfully completed the 'One Hundred and Twenty Hours Internship Program' in this organization.

Sr. No.	Name of the student	Roll No.	Aadhar No.	Special Subject
1	Arfa Anam Gulam Mustafa	01	818343544992	Receptionist

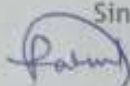
This student has been provided with adequate exposure and necessary hands-on training pertaining to her special subject.

I am confident that this student will perform effectively in similar type of organizations.

I wish her every success in future endeavors.

Thank you.

Sincerely,

  
Name & Signature

(Authorized Signatory)



# INTERNSHIP COMPLETION CERTIFICATE

JIJAMATA GIRL'S HIGHSCHOOL, SATANA

To,  
The Principal,  
M.S.G.College Malegaon  
Camp, Dist - Nashik,  
Maharashtra

Subject: Internship Completion Certificate

Dear Sir,

I am happy to inform you that **More Savita Vasant** studying in M.Sc.  
(Mathematics) Sem -II, Roll No 15 of your college have successfully completed the  
'OneHundred and Twenty Hours Internship Program' in this organization.

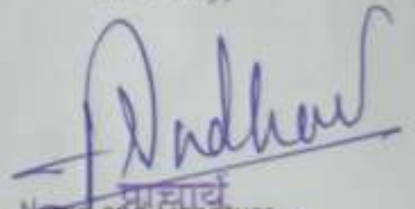
Sr.No.	Name of the student	Roll No.	Aadhar No.	Special Subject
1	More Savita Vasant.	17	790697452394	Mathematics

This student has been provided with adequate exposure and necessary hands-on training pertaining to her special subject.

I am confident that this student will perform effectively in similar type of organizations. I wish her every success in future endeavors.

Thank  
you.

Sincerely,

  
Principal  
को.पो.एन.मोघव, व.सं. माध्यमिक  
विद्यालय सटाणा, ता.बागलाण, जि.नाशिक  
(Authorized Signature)

INTERNSHIP COMPLETION CERTIFICATE

SHARAD NAMDEO DUSANE  
JEWELERS LLP MALEGAON

To,  
The Principal,  
MSQ College,  
Malegaon (Place)

Subject: Internship Completion Certificate .....

Dear Madam/ Sir,

I am happy to inform you that following student of your college have successfully completed the 'Sixty Hours Internship Programme' in this organization.

Sr. No.	Name of the student	Roll No.	Aadhar No.	Special Subject
1	Sonawane Gaytri Pratap	06	2981 1041 2154	Mathematics

This student has been provided with adequate exposure and necessary hands-on training pertaining to his/her special subject.

I am confident that this student will perform effectively in similar type of organizations.

I wish him/her every success in future endeavors.

Thank you.

Sharad Namdeo Dusane Jewellers LLP

Sincerely,  
Partner / Director

Name & Signature  
(Authorised Signatory)

INTERNSHIP COMPLETION CERTIFICATE

Name of the Internship Provider  
Organisation

To,  
The Principal,  
Sankalp College,  
..... (Place)

Subject: Internship Completion Certificate .....

Dear Madam/ Sir,

I am happy to inform you that following student of your college have successfully completed the 'Sixty Hours Internship Programme' in this organization.

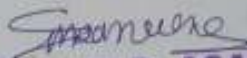
Sr. No.	Name of the student	Roll No.	Aadhar No.	Special Subject
1	Bitani Hirani Sahebrao	21	84139653 4591	Mathematics

This student has been provided with adequate exposure and necessary hands-on training pertaining to his/her special subject.

I am confident that this student will perform effectively in similar type of organizations.

I wish him/her every success in future endeavors.

Thank you.

  
**SANKALP ACADEMY**  
Malegaon Camp (Nasik)

Sincerely,

Name & Signature  
(Authorised Signatory)



# Jaihind English Medium School

DABHADI, TAL. MALEGAON

शासन मान्यता क्रमांक : शिउसं/नावि/प्राथ-२/खाप्राशा/३०२०/२१/२००९-१० दि.१५/२/२०१०

UDISE NO. - 27200702517

School Index No. S-13.06.091

College Index No. J-13.06.030

Ref.No. 277/2023-24

Date : 15/04/2024

## CERTIFICATE OF INTERNSHIP

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Signature of Authorized

PRINCIPAL  
JAIHIND ENGLISH MEDIUM SCHOOL  
& JUNIOR COLLEGE OF SCIENCE  
DABHADI, Tal. Malegaon (Nashik) 423201

PRINCIPAL  
JAIHIND ENGLISH MEDIUM SCHOOL  
& JUNIOR COLLEGE OF SCIENCE  
DABHADI, Tal. Malegaon (Nashik) 423201



# SANKALP CLASSES MALEGAON

THIS CERTIFIES THAT

# INTERNSHIP

The certificate is proudly presented to  
Birari himani sahebrao  
For her outstanding completion of the compulsory internship

SANKALP CLASSES MALEGAON

30-3-24

DATE



*Sankalp Classes*  
**SANKALP ACADEMY**  
Malegaon Camp (Nasik)

Signature

## ABSTRACT

When, we heard the word internship first time we thought that it may be something done by Master Student education. As we enrolled as a Mathematics student at KU we learned some books and took eight/nine classes from our Lecture **Borse Pallavi Sanjay**. It made us clear about what internship is and how it helps teachers to develop their professionalism. We also conducted internship to find out best sets of solutions to be overcome through the new approaches of Mathematics Teaching.

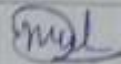
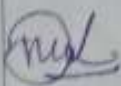
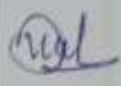
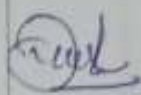
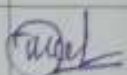
We understand that our **Internship Report** will become part of the permanent collection of the. Our signature below authorizes release of our internship report to those who are interested to study it upon formal request.

**S P CLASSES MALEGAON**



**PROPRIETOR**

Yogesh Pawar Sir  
(S.P.Classes Malegaon)

	10:00am	12:00pm	02	Array Formulas and Advanced Array Functions in Excel		
02 Apr 2024	08:00am	10:00am	02	Data Analysis with PivotTables and Pivot Charts in Excel		
	10:00am	12:00pm	02	Power Query and Data Transformation Techniques in Excel		
03 Apr 2024	08:00am	10:00am	02	Power Pivot: Introduction to Data Modeling and DAX Functions in Excel		
	10:00am	12:00pm	02	Conditional Formatting: Advanced Techniques and Custom Rules in Excel		
04 Apr 2024	08:00am	10:00am	02	Data Validation and Advanced Filter Techniques in Excel		
	10:00am	12:00pm	02	Advanced Charting: Sparklines, Trendlines, and Dynamic Charts in Excel		
Total Hours			120			

Certified that **DESALE PARAG SAHEBRAO** has satisfactorily Completed the internship programme assigned to her.













Name & Signature of  
Supervisor

Name & Signature of  
Manager

Name & Signature  
of  
Section in charge



2024	02:00 pm	05:00 pm		Ensuring the smooth functioning of office operations and adherence to organizational policies		
1 march 2024	09:00 am	11:00 am	5	Analyzing sales data, market trends, and customer feedback to inform decision-making and strategy		
	02:00 pm	05:00 pm				
				development		
4 march 2024	09:00 am	11:00 am	5	Ensuring the smooth functioning of office operations and adherence to organizational policies and procedures		
	02:00 pm	05:00 pm				
5 march 2024	09:00 am	11:00 am	5	Ensuring accuracy and completeness of policy documentation and adherence to regulatory requirements		
	02:00 pm	05:00 pm				
6 march 2024	09:00 am	11:00 am	5	Maintaining organized records of customer interactions, policy transactions, and sales activities		
	02:00 pm	05:00 pm				
Total Hours			120			

Certified that Gayatri Dipak Shinde has satisfactorily completed the internship programme assigned to him.

  
Gayatri D. Shinde

 **GAJANAN DATTATRAYA GHULE**  
**SENIOR BUSINESS ASSOCIATE**  
 Code No. 8190 Shop No. 2, Opp. Dr. Vaidal Hospital,  
 Ravalgaon Naka, Malegaon Camp (Nashik)  
 Mob 9422252790/9822810006  
 email : gajanan.ghule@licindia.com  
 gajananghule8190@gs.nail.com



Name & Signature of Name & signature Name & signature of supervisor of manager section in charge

Date :

**INTERNSHIP COMPLETION CERTIFICATE**

MGVs. MAHARAJASAYAJIRAO GAIKWAD ARTS,  
SCIENCE AND COMMERCE COLLEGE MALEGAON  
CAMP, DIST. NASHIK (423105)




## CERTIFICATE

*This is to certify that the project work entitled "Comparison of hemoglobin level in the adolescence age group of rural and urban girls in malegaon region" has been successfully carried out by Miss. Rasika Vilas somavanshi & Mr. Kunal Sanjay Velis during the academic year 2023-2024 in partial fulfillment of their course of study for the Bachelor Degree in Science and Technology in Zoology as per syllabus prescribed by the Savitribai Phule Pune University, Pune.*

  
PROJECT GUIDE

  
21/04/24  
EXAMINER  
(Dr. T. A. Sontakke)

  
HEAD DEPT. OF ZOOLOGY  
HEAD  
Department of Zoology  
M.S.G. College, Malegaon  
Dist. Nashik 423 105

**MGVs. MAHARAJASAYAJIRAO GAIKWAD ARTS,  
SCIENCE AND COMMERCE COLLEGE MALEGAON  
CAMP, DIST. NASHIK**



**CERTIFICATE**

*This is to certify that the project work entitled "Study on Cestode Parasites of Domestic Chicken Gallus domesticus from Malegaon region" has been successfully carried out by Miss. Gangurde Neha Rajendra and Miss. Pareek Ritu Damodar during the academic year 2023-2024 in partial fulfilment of their course of study for the Bachelor Degree in Science and Technology in Zoology as per syllabus prescribed by the Savitribai Phule Pune University, Pune.*

  
PROJECT GUIDE

Dr. R. B. Gaikwad

  
21/04/24  
EXAMINER

(Dr. T. A. Satakke)

1



HEAD DEPT. OF ZOOLOGY  
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Dist. Nashik 423 105

**MGVs. MAHARAJASAYAJIRAO GAIKWAD ARTS,  
SCIENCE AND COMMERCE COLLEGE MALEGAON  
CAMP, DIST. NASHIK**



**CERTIFICATE**

*This is to certify that the project work entitled "Study of Insect Diversity of Hymenoptera Agro-Ecosystem in Malegaon region" has been successfully carried out by Miss. Kalamkar Archana Chagan during the academic year 2023-2024 in partial fulfilment of their course of study for the Bachelor Degree in Science and Technology in Zoology as per syllabus prescribed by the Savitribai Phule Pune University, Pune.*

  
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21/04/24  
EXAMINER  
(Svr. T. A. Sautake)

  
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Department of Zoology  
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Dist. Nashik 423 105

**MGVs. MAHARAJASAYAJIRAO GAIKWAD ARTS,  
SCIENCE AND COMMERCE COLLEGE MALEGAON  
CAMP, DIST. NASHIK (423105)**



**CERTIFICATE**

*This is to certify that the project work entitled "Study Of Cow Milk Analysis" has been successfully carried out by Miss.Patil Radhika Shivaji during the academic year 2023-2024 in partial fulfillment of their course of study for the Bachelor Degree/ Master Degree in Science and Technology in Zoology as per syllabus prescribed by the Savitribai Phule Pune University, Pune.*

  
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EXAMINER  
[Dr. T. A. Sontakke]

  
HEAD DEPT. OF ZOOLOGY

**HEAD**  
Department of Zoology  
M.S.G.College, Malegaon  
Dist. Nashik 423 105



MGVs. MAHARAJASAYAJIRAO GAIKWAD ARTS, SCIENCE  
AND COMMERCE COLLEGE MALEGAON CAMP, DIST.  
NASHIK (423105)



**CERTIFICATE**

*This is to certify that the project work entitled "Biodiversity Of Goats in Malegaon Local Area" has been successfully carried out by Mr. AMOL VALUBA DUKALE Miss. SHRUTI SANJAY PURE during the academic year 2023-2024 in partial fulfilment of their course of study for the Bachelor Degree in Science and Technology in Zoology as per syllabus prescribed by the Savitribai Phule Pune University, Pune.*

*Tarit*  
*Dr. K. R. Patil*

PROJECT GUIDE

*Soudakke*  
*21/04/24*

EXAMINER

*[Dr. T. A. Soudakke]*

*[Signature]*  
HEAD

Department of Zoology  
M.S.G.College, Malegaon  
Dist. Nashik 423 105

HEAD DEPT. OF ZOOLOGY

MGVs. MAHARAJASAYAJIRAO GAIKWAD ARTS,  
SCIENCE AND COMMERCE COLLEGE MALEGAON CAMP,

DIST. NASHIK (423105)



## CERTIFICATE

This is to certify that the project work entitled ***“The Survey on Diabetes Mellitus Patients in Malegaon Region”*** has been successfully carried out by **Miss. Bachhav Ankita Anil** during the academic year 2023-2024 in partial fulfillment of their course of study for the Bachelor Degree/ Master Degree in Science and Technology in Zoology as per syllabus prescribed by the Savitribai Phule Pune University, Pune.

  
PROJECT GUIDE

  
EXAMINER

(**Dr. T. A. Sankar**)

  
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Department of Zoology  
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MGVs.MAHARAJASAYAJIRAOGAIKWADARTS,SCIENCE AND  
COMMERCE COLLEGE MALEGAON CAMP, DIST. NASHIK  
(423105)




**CERTIFICATE**

*This is to certify that the project work entitled "INFOMATION ABOUT  
IN THE MALEGAON SITIES ALL DISEASE ."hasbeen  
successfully carried out byMR. ARJUN SANTOSH MAHALE & MR. GOKUL  
BALU KALE during the academic year 2023-2024 in partial fulfilment of  
theircourseofstudyfortheBachelorDegreeinScienceandTechnologyinZoolo  
gy as per syllabus prescribed by the Savitribai Phule Pune University, Pune.*

  
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21/04/24  
EXAMINER  
(*Dr. T. A. Sastakhe*)

  
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MGVs. MAHARAJASAYAJIRAO GAIKWAD ARTS,  
SCIENCE AND COMMERCE COLLEGE MALEGAON  
CAMP, DIST. NASHIK (423105)



**CERTIFICATE**

*This is to certify that the project work entitled "EFFECT OF FEED ON THE MILK PROTINE AND FAT COMPOTISION" has been successfully carried out by Miss. Harshita Yogesh Gaikwad /Miss. Faiza firdous shabbeer ahmad during the academic year 2023-2024 in partial fulfillment of their course of study for the Bachelor Degree/ Master Degree in Science and Technology in Zoology as per syllabus prescribed by the SavitribaiPhule Pune University, Pune.*

  
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MGV's. MAHARAJASAYAJIRAO GAIKWAD ARTS, SCIENCE  
AND COMMERCE COLLEGE MALEGAON CAMP, DIST.  
NASHIK (423105)



**CERTIFICATE**

*This is to certify that the project work entitled "TRAINING NEEDS ASSESSMENT OF POULTRY FARMERS IN MALEGAON TEHSIL." has been successfully carried out by MISS. RUTUJA SANJAY AHIRE & MR. ROSHAN SUBHASH BIDGAR during the academic year 2023-2024 in partial fulfilment of their course of study for the Bachelor Degree in Science and Technology in Zoology as per syllabus prescribed by the Savitribai Phule Pune University, Pune.*

*R. Dore*  
8/4/24  
PROJECT GUIDE

*S. Sontakke*  
21/04/24  
EXAMINER  
(Dr. T. A. Sontakke)

*[Signature]*  
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Dist. Nashik 423 105