



ANEKANT EDUCATION SOCIETY

**TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE
AND COMMERCE, BARAMATI**

NAAC RE-accredited' A+ (CGPA 3.55)

Grade, ISO 9001-2015 Certified College,

Religious Minority Institute

(Autonomous Institute)

Department of Mathematics

**Project name: - "New method of cryptography using
permutation cycle and various transformations"**



CERTIFICATE

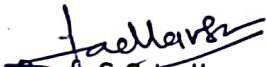
This is to certify that project work entitled "New method of cryptography using permutation cycle and various transformations" submitted in partial fulfilment of required for M.sc II Mathematics by TULJARAM CHATURCHAND COLLEGE (Autonomous Institute) under Savitribai Phule Pune University, as a record of student own work carried out them.

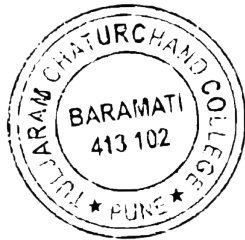
Submitted by

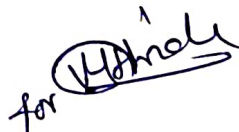
Nalawade Vishvajeet Nanasaheb

Markale Sharwari Dattatray

1. Nalawade Sapkal Sanyogita Dattatraya
2. Markale Sharwari Dattatray
3. Sapkal Sanyogita Dattatraya


Prof. S.S. Jadhav
(Guide)




for
Prof. S. R. Puranik
(H.O.D. Mathematics)



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(Autonomous Institute)

Department of Mathematics

**Project Name: Prediction of Heart Disease Using Machine
Learning Algorithms**

Under the Guidance of

Prof. Jadhav S.S.



CERTIFICATE

This is to certify that project work entitled "*Prediction of Heart Disease Using Machine Learning Algorithms*" submitted in partial fulfillment of required for M.sc II Mathematics by **TULJARAM CHATURCHAND COLLEGE** (Autonomous Institute) under Savitribai Phule Pune University, as a record of student own work carried out them.

Submitted by

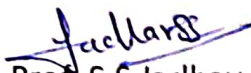
Ranaware Jayashri Ramesh

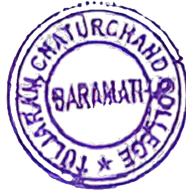
Magdum Snehal Deshbhushan


Kutwal Komal Kundalik

Chavare Neha Popat

Maneri Tabbu Ilahi


Prof. S.S. Jadhav
(Guide)




Prof. S. R. Puranik
(H.O.D. Mathematics)



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Religious Minority Institute

(Autonomous Institute)

Department of Mathematics



PROJECT TITLE :- The Fibonacci Numbers And Its Application

CERTIFICATE

This is to certify that project work entitled "Fibonacci Sequence and its application" submitted in partial fulfilment of required for M.sc II Mathematics by TULJARAM CHATURCHAND COLLEGE (Autonomous Institute) under Savitribai Phule Pune University, as a record of student own work carried out them.

Submitted by

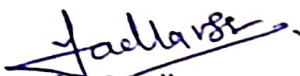
Malshikre Mayuri Sambhaji

Shinde Pratiksha Vijay


Kokare Rutuja Sunil

Khomane Vanita Appaso

Parade Dipali Ekanath


Prof. S.S Jadhav
(Guide)




Prof. S. R. Puranik
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Grade, ISO 9001-2015 Certified College,
Religious Minority Institute
(Autonomous Institute)

Department of Mathematics

**Project name: - "New method of cryptography using
permutation cycle and various transformations"**



CERTIFICATE

This is to certify that project work entitled "**New method of cryptography using permutation cycle and various transformations**" submitted in partial fulfilment of required for M.sc II Mathematics by TULJARAM CHATURCHAND COLLEGE (Autonomous Institute) under Savitribai Phule Pune University, as a record of student own work carried out them.

Submitted by

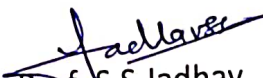
Nalawade Vishvajeet Nanasaheb

Markale Sharwari Dattatray


Ghadage Sukanya Sangeettrao

More Pratiksha Jagannath

Nanavare Komal Rajendra


Prof. S.S Jadhav
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Prof. S. R. Puranik
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AND COMMERCE, BARAMATI

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Religious Minority Institute

(Autonomous Institute)

Department of Mathematics

**Project Name: "New Methodology for Cryptography
Using Number Theory"**

Under the Guidance of

Prof. Jadhav S.S.



CERTIFICATE

This is to certify that project work entitled "New methodology for cryptography using number theory" submitted in partial fulfilment of required for M.sc II Mathematics by TULJARAM CHATURCHAND COLLEGE (Autonomous Institute) under Savitribai Phule Pune University, as a record of student own work carried out them.

Submitted by

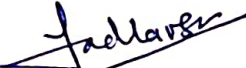
Ghongane Vaibhav Rajendra

Sapkal Sanyogita Dattatraya


Jagtap Rutuja Rajaram

Chavan Shital Sunil

Sawant Prajakta Rajabhau


Prof. S.S Jadhav
(Guide)




Prof. S. R. Puranik
(H.O.D. Mathematics)

STUDENT INVESTIGATOR

NAME : JADHAV ASHWINI LALASO

DOB : 07 APRIL 1999

ROLL NO : 16795

PRN NO : 13213216656

NAME : PHADATARE SHWETA APPASAHEB

DOB : 19 SEPTEMBER 1999

ROLL NO : 16803

PRN NO : 13213216669

NAME : GAIKWAD RUTUJA RAJENDRA

DOB : 10 SEPTEMBER 2000

ROLL NO : 16814

PRN NO : 13213216654

NAME : ATOLE RESHMA BALASO

DOB : 25 JUNE 1994

ROLL NO : 16819

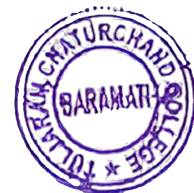
PRN NO : 13213216663

NAME : CHANDGUDE KOJAGIRI POPAT

DOB : 25 MAY 1996

ROLL NO : 16802

PRN NO : 13213216646



GUIDE INVESTIGATOR

NAME : PROF. JADHAV S.Y.

QUALIFICATION : MSC, SET



ANEKANT EDUCATION SOCIETY

**TULJARAM CHATURCHAND COLLEGE OF ART, SCIENCE AND COMMERCE,
(AUTONOMOUS) BARAMATI**

DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that project work entitled **“EXPLORING OF PASCAL’S TRIANGLE AND THREE MODULE TRIANGLE”** submitted in partial fulfilment of required for **“MASTER OF SCIENCE IN MATHEMATICS”** by TULJARAM CHATURCHAND COLLEGE (Autonomous Institute) under SAVITRIBAI PHULE ,PUNE UNIVERCITY ,as record of students own work carried out by them.

Submitted by

- JADHAV ASHWINI LALASO
- PHADTARE SHWETA APPASAHEB
- GAIKWAD RUTUJA RAJENDRA
- ATOLE RESHMA BALASO
- CHANDGUDE KOJAGIRI POPAT

PROF. JADHAV S.Y.

(GUIDE)



PROF. PURANIK S.R.

HEAD

(DEPARTMENT OF MATHEMATICS)

Students Investigators:

1) Name : Bhapkar Pratima Balu

- Class : MSc II(Mathematics)
- DOB : 21/12/2000
- Roll No : 16787
- PRN No : 13213216631

2) Name : Babar Nikita Keshav

- Class : Msc II(Mathematics)
- DOB : 01/06/2000
- Roll No : 16788
- PRN No : 13213216630

3) Name : Shinde Rushikesh Dilip

- Class : MSc II(Mathematics)
- DOB : 09/02/2001
- Roll No : 16808
- PRN No : 13213216673

4) Name : Kagade Abhijeet Bharat

- Class : MSc II(Mathematics)
- DOB : 07/11/1999
- Roll No : 16820
- PRN No : 13213216636



5) Name : Pansare Swapnil Dnyandeo

- Class : Msc II(Mathematics)
- DOB : 09/10/2000
- Roll No : 16810
- PRN No : 13213216644

Guide Investigator

- Name : Prof.Jadhav Sachin Yashwant
- Date of Birth : 26/11/1998
- Educational Qualification : M.sc.(Mathematics) , SET
- Present Designation: Assistant Professors
- Mobile No : 8208950958





Anekant Education Society's
**TULJARAM CHATURCHAND COLLEGE ARTS,
SCIENCE AND COMMERCE, BARAMATI.**

NAAC RE-accredited' A+ (CGPA 3.55) Grade, ISO 9001-2015 Certified College, Religious
Minority Institute

(Autonomous Institute)

CERTIFICATE

This is to certify that project work entitled " **Virus Graph & COVID -19 :
Mathematical Approach & Data Visualisation** " submitted in partial fulfilment of required for
M.sc II Mathematics by **TULJARAM CHATURCHAND COLLEGE** (Autonomous Institute) under
Savitribai Phule Pune University, as a record of student own work carried out them.

Submitted By :

Bhapkar Pratima Balu
Babar Nikita Keshav
Shinde Rushikesh Dilip
Kagade Abhijeet Bharat
Pansare Swapnil Dnyandeo

Prof. S.Y Jadhav
(Guide)



Prof. S. R. Puranik
(Head)

Department of Mathematics

ANEKANTE EDUCATION SOCIETY'S
TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE
AND COMMERCE, BARAMATI



A PROJECT REPORT ON

“A Study of Mutual Fund Industries in
India” SUBMITTED TO

DEPARTMENT OF MATHEMATICS TULJARAM
CHATURCHAND COLLEGE OF ARTS, SCIENCE AND
COMMERCE, BARAMATI (PUNE)

BY

Sakina Shakir Nagarwala

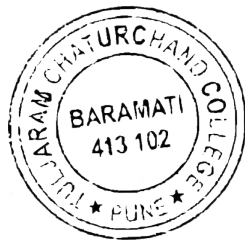
And

Gulfishanaaz Taufeeq Shaikh

Under the Guidance

Of Prof. Sachin Jadhav

2022-2023



ANEKANTE EDUCATION SOCIETY'S
TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE
AND COMMERCE, BARAMATI



CERTIFICATE

This is to certify that the project report entitled "**A Study of mutual fund industries in India**" is being submitted by Sakina Shakir Nagarwala and Gulfishanaaz Taufeeq Shaikh, as a partial fulfilment for the award of the degree of the Master of Science (M.Sc.). This is a record of bonafide work carried out by them under my supervision and guidance.

PROF. SACHIN JADHAV
PROJECT GUIDE

EXAMINER

PROF. PURANIK. S. R.
HEAD OF DEPARTMENT

PLACE: BARAMATI

DATE:



Student Investigator:

Name : Jadhav Ujjawala Madhukar

DOB.: 17/04/2000

Roll No: 16786

PRN.No: 13213216628

Name : Pawar Vrushali Raju

DOB : 07/03/2000

Roll No: 16785

PRN.No: 13213216624

Name : Chipade Pratiksha Yashavant

DOB : 21/08/1998

Roll No: 16822

PRN.No: 13213216643

Guide investigator :

Name: Jadhav Sachin Yashavant

Sex: male

Date of Birth:20/11/1998

Qualification: Msc mathematics,Set

Designation:Teacher





ANEKANT EDUCATION SOCIETY

TULJARAM CHATURCHAND COLLEGE

of Arts , Science & Commerce

Baramati, Dist. Pune. 413 102. (Maharashtra)

(Autonomous)

DEPARTMENT OF MATHEMATICS

Certificate

This is certify that project work entitled

“Introduction of Pascal Triangle and it's Application” submitted in partial fulfillment of required for M.Sc. Mathematics by TULJARAM CHATURCHAND COLLEGE (Autonomous Institute) under Savitribai Phule Pune University, as a record of students own work carried out by them.

Submitted by

Jadhav Ujjawala Madhukar.

Pawar Vrushali Raju.

Chipade Pratiksha Yashavant.

Guide

(Prof. Jadhav S.Y.)



Head

Department of Mathematics

1. Broad Subject: Mathematics Faculty : science
2. Area of Specialization: Distribution of Prime Number
3. Duration: 2022-2023
4. Student Investigator:

1) Name: Shedage Ashwini Suresh

- i. Sex: Female
- ii. Date of Birth: 28 Jan 1995
- iii. Roll no - 16813
- iv. Seat No -
- v. Address: A/p- Sant Mauli Nagar Jalochi, Tal- Baramati, Dist- Pune

2) Name: Supekar Anjali Arjun

- i. Sex: Female
- ii. Date of Birth: 06 oct 1999
- iii. Roll No - 16821
- iv. Seat no -
- v. Address: At post jayanakwadi tal Baramati Dist-Pune

3) Name: Jadhav Shilpa Rohidas

- i. Sex: Female
- ii. Date of Birth: 24 June 1997
- iii. Roll No - 16805
- iv. Seat No -
- v. Address: A/P- Mudhale Tal-Baramati Dist-Pune

4) Name: Pawar Pooja Dattatray

- i. Sex: Female
- ii. Date of Birth: 15 Jan 2000
- iii. Roll No - 16806
- iv. Seat No -
- v. Address: At post Mudhale, Tal-Baramati, Dist-Pune



5. Guide – Investigator(s):

i) Name: Prof. Jadhav Sachin Y.

ii) Gender: Male

iii) Qualification: M.Sc (Mathematics), SET

iv) Designation: Assistant Professor

6. Name of the Institution where the project will be undertaken:

a. Department: Mathematics

b. University/College: Tuljaram Chaturchand College, Baramati





TULJARAM CHATURCHAND COLLEGE

Of Art, Science & Commerce

Baramati, Dist- pune.413 102.(Maharashtra)

(Autonomous)

DEPARTMENT OF MATHEMATICS

● **Certificate** ●

This is to certify that project work entitled

“**Distribution of prime numbers**” Submitted in partial fulfilment of required for M.Sc Mathematics by TULJARAM CHARURCHAND COLLAGE (Autonomous institute) under Savitribai Phule Pune University, as a record of student own work carried out by them.

Submitted by

- **Shedage Ashwini Suresh**
- **Supekar Anjali Arjun**
- **Jadhav Shilpa Rohidas**
- **Pawar Pooja Dattatray**

Guide
(Prof. Jadhav S.Y.)



Head
Department of Mathematics