



AMRUTESHWAR ARTS, COMMERCE & SCIENCE COLLEGE, VINZAR

At Post Vinzar, Tal. Velha. Dist. Pune. Pin No. 412213 Telefax: 02130 - 232323 [ID No. PU/PN/AC 121/(1997)]

Principal Dr. Sanjeev Late

/20

Ref.: A.A.C.S.C./

NAAC Reaccredited - B

Email: amruteshwar13@gmail.com

Website: amruteshwar.com

Date: / /20

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

# SELF-STUDY REPORT (SSR) CRITERION – I

#### **CURRICULUAR ASPECTS**

K. I. No.	KEY INDICATOR (K.I.)  Average percentage of courses that include experiential learning through project work/field work/internship during last five years		
1.3.2 (Q <sub>1</sub> M)			
	SR. NO.	SUPPORTING DOCUMENTS	PAGE NUMBER
-	1	Project work for the AY 2017-2018 (Course- History)	2 to 9
÷	2	Project work for the AY 2018-2019 (Course - History, Physics)	10 to 25
-	3	Project work for the AY 2019-2020 (Course- History, Physics, Physical Education)	26444
	4	Project work for the AY 2020-2021 (Course History, Physics, Physical Education)	45 to 55
	5	Project work for the AY 20212022 (Course- History, Physics, Physical Education)	56t082
		Total Pages of Supporting Documents	82

Date : 10<sup>th</sup> January, 2023
Place : Vinzar (Velhe) Pune

Head Criterion-I

Co-ordinator, IQAC

I.Q.A.C.
Amruteshwar Arts, Commerce
& Science College Minzar,

Principal

Amruteshwar Arts, Commerce & Scienc College, Vinzar, Tal. Velha, Dist. Pune.



"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2017-18 Savitribai Phule Pune University, Pune 411 007.

Through
Department of History

Amruteshwar Art's, Commerce and Science College
Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts
In
History
For the Introduction to History(Historiography) (3178)
Under the Faculty of Mental Moral Science

By
Bhosale Dhanajay Ramchandra
Department of History
Amruteshwar Arts, Commerce & Science College, Vinzer,
Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale Alemande Project Guide Project Guide Amruteshwar College, Project Records Vinzar, Pune 412213



Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Volha, Dist. Pune

1. Met the Gu tura 2 . 150

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City has been successfully completed by Mr.Bhosale Dhananjay Ramchandra of T.Y.B.A.

History during the academic year 2017-18

B

Internal Examiner

dhananjay. R. Bhosale Signature of the student Under the Guidance of

Dr. Balasaheb Maruti Kendale

External Examiner

Amrutesh ver Arte, Commerce & Science College, Vinzar, Tab. Volha. Diet. Pune

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2017-18 Savitribai Phule Pune University, Pune 411 007.

Through
Department of History
Amruteshwar Art's, Commerce and Science College
Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By
Hande Pooja Rajaram
Department of History

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

. Dr. Balasaheb Kendale Vond

Project Guide

Amruteshwar College,

Vinzar, Pune 412213

Amruteshwar Arts, Commerce & Science ...
College, Vinzar, Tal. Velha. Dist. Pune.

A Project Report Entitled

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City "has been successfully completed by Miss. Hande Pooja Rajaram of T.Y.B.A. History during the academic year 2017-18

Under the Guidance of

Dr. Balasaheb Maruti Kendale

Internal Examiner

Signature of the student

External Examiner

Amruteshvar Arts, Commerce & Science College, Vinzar, Tal. Volice, Dist. Fune. "A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2017-18 Savitribai Phule Pune University, Pune 411 007.

Through
Department of History
Amruteshwar Art's, Commerce and Science College
Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By Karanjkar Tejal Anna Department of History Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale Ker

Project Guide Amruteshwar College,

Vinzar, Pune 412213

Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. John Dist. rune

> A Project Report Entitled

Louise the Guiders.

Dr. Hel sweb kandah

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City
"has been successfully completed by Miss Karanjkar Tejal Anna of T.Y.B.A. History
during the academic year 2017-18

Under the Guidance of

Dr. Balasaheb Maruti Kendale

Internal Examiner

Tojas konarikaz Signature of the student

External Examiner

Amruteshwar Aria, Commerce & Scienc Conege, Vinzar, Val. Veille. Dist. Fulle.

#### "A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2017-18 Savitribai Phule Pune University, Pune 411 007.

Through Department of History Amruteshwar Art's, Commerce and Science College Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

Katurde Dnyaneshawar Pandurang Department of History Amruteshwar Arts. Commerce & Science College, Vinzer, Taluka Velhe, District - Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale Alendo

Project Guide

Amruteshwar College,

Vinzar, Pune 412213

Amruteshwar Arts, Commerce & Science College Vinzar, Tal. Veller T of Fune

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City

" has been successfully completed by Mr.Katurde Dnyaneshwar Pandurang of T.Y.B.A.

History during the academic year 2017-18

Under the Guidance of

Dr. Balasaheb Maruti Kendale

Internal Examiner

Signature of the student

External Examiner

Amrutes Avar Arts, Commerce & Science College, Vinzar, Tal. Yelha, Dist. Pune.

"The Review and New Frontiers in Parallel Universe"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics, Amruteshwar Art's, Commerce And Science College

Vinzar, Pune 412213.

For the Degree of Batchelor of Science

In

**Physics** 

Under the Faculty of Science and Technology

By

Mr. Ganesh Shankar Polekar

Department of Physics

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Under the Guidance of

Mr. Sujit Mane Project Co-Guide

PERCENCENTION OF THE PERCENTION OF THE PERCENTIO

Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte

Project Guide Amruteshwar College,

Vinzar, Pune 412213



Principal

Amruleshvar Arts. Commerce & Science College, Vinter, fel. Yelha, Olst. Puna.

This is to certify that, the project entitled "The Review and New Frontiers in Parallel Universe" has been successfully completed by "Mr. Ganesh Shankar Polekar" of T.Y.B.Sc Physics during the academic year 2018-2019.

Under the Guidance of

Mr. Sujitkumar Mane Project Co-Guide

Amruteshwar College, Vinzar

Mr. Prakash Chikte

Project Guide

Amruteshwar College, Vinzar

Signature of Student:

signature of Student.

\*

Internal Examiner:

MMUNU.
External Examiner:

किस्ता, किस्ता, किस्ता, किस्ता, किस्ता,

Principal

Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Yelho, Dist. Punk

"The Review and New Frontiers in Quantum Field Theory"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor of Science

In

**Physics** 

Under the Faculty of Science and Technology

Ву

Miss. Rajashri Maruti Renuse

Department of Physics

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213.

\*\*\*

Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213



This is to certify that, the project entitled "The Review and New Frontiers in Quantum Field Theory" has been successfully completed by "Miss. Rajashri Maruti Renuse" of T.Y.B.Sc Physics during the academic year 2018-2019.

Under the Guidance of

Mr. Sujitkumar Mane Project Co-Guide

Amruteshwar College, Vinzar

Mr. Prakash Chikte

Project Guide

Amruteshwar College, Vinzar

Signature of Student:

Internal Evaminer:

External Examiner:

तिहार स्थाप स्थाप

Principal
Amruteshwar Arts, Commerce & Scient
College, Vinzar, Tal. Velha. Dist. Pure

"The Review and New Frontiers in Cosmological Constant"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor of Science

In

**Physics** 

Under the Faculty of Science and Technology

Ву

Mr. Kiran Sopan Bathe

Department of Physics

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213.

Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213



Amruteshwar Arts, Commerce & Science College, Vinzar, Tai, Yelha, Dist. Pune,

This is to certify that, the project entitled "The Review and New Frontiers in Cosmological Constant" has been successfully completed by "Mr. Kiran Sopan Bathe" of T.Y.B.Sc Physics during the academic year 2018-2019.

Under the Guidance of

Mr. Sujitkumar Mane Project Co-Guide

Amruteshwar College, Vinzar

Mr. Prakash Chikte Project Guide

Amruteshwar College, Vinzar

Signature of Student:

CHOIZ LIKE

Internal Examiner:

External Examiner:

विडर, ति पूर्णे

Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Yelha. Dist. Pune

"The Review and New Frontiers in Standard Model"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

#### Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor of Science

ln

**Physics** 

Under the Faculty of Science and Technology

Ву

Mr. Vishal Pandurang Madgude

Department of Physics

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213



Amruleshwar Arts, Commerce & Science College, Vinzar, Tal. Veilia. Disc. Puns.

This is to certify that, the project entitled "The Review and New Frontiers in Standard Model" has been successfully completed by "Mr. Vishal Pandurang Madgude" of T.Y.B.Sc Physics during the academic year 2018-2019.

Under the Guidance of

Mr. Sujitkumar Mane

1

Project Co-Guide Amruteshwar College, Vinzar Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar

Signature of Student:

4ch12 1712e Internal Examiner:



principal Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha, Dist. rune

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2018-19 Savitribai Phule Pune University, Pune 411 007.

Through Department of History Amruteshwar Art's, Commerce and Science College Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

BvDaswadkar Bhamina Dattatray Department of History Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District - Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale Blen Jel

Project Guide Amruteshwar College,

Vinzar, Pune 412213



ommerce & Science car, tu. fallit Dist Puna

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City

" has been successfully completed by Miss . Daswadkar Bhamini Dattatray of T.Y.B.A.

History during the academic year 2018-19

Under the Guidance of

Dr. Balasaheb Maruti Kendale

Internal Examiner

Supature of the student

External Examiner

Americanivar Arts, Commerce & Science

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2018-19 Savitribai Phule Pune University, Pune 411 007.

Through Department of History Amruteshwar Art's, Commerce and Science College Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

Harpude Yogesh Balu Department of History Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District - Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale Blond

Project Guide

Amruteshwar College,

Vinzar, Pune 412213

Amruteshiver Arts, Commerce & Science College, Vinzar, fai. Volha, Dist. Pune.

> A Project Report Entitled

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City" has been successfully completed by Mr.Hapude Yogesh Balu of T.Y.B.A. History during the academic year 2018-19

Under the Guidance of

Dr. Balasaheb Maruti Kendale

External Examiner

udent

Internal Examiner

Amended Arts, Commerce & Science
College, Vinzar, Tal. Volha, Dist. Puna.

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2018-19 Savitribai Phule Pune University, Pune 411 007.

Through Department of History Amruteshwar Art's, Commerce and Science College Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By Jadhav Rajesh Arun Department of History Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

millio De grand March, land Coule

Under the Guidance of

R. Franciska Art

Project Guide

Dr. Bi're. 'r Kesils b

Amruteshwar College,

Vinzar, Pune 412213

File Pinte Prop 412.511 Commerce & Science

College, Vinzar, Tal. Velha; Dist. Pune.



A Project Report Entitled

Her the Guidance of

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City "has been successfully completed by Mr.Jadhav Rajesh Arun of T.Y.B.A. History during the academic year 2018-19

Under the Guidance of

Dr. Balasaheb Maruti Kendale

External Examiner

Amudochwer Arto, Commerce & Science Conoga, Vanzar, Tal. Volha, Urst. Pune.

Signature of the student

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2018-19 Savitribai Phule Pune University, Pune 411 007.

Through
Department of History
Amruteshwar Art's, Commerce and Science College
Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By
Jadhav Ashwini Shivaji
Department of History
Amruteshwar Arts, Commerce & Science College, Vinzer,
Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale Mkondo

See Brine very Kindick

Project Guide

Amruteshwar College,

Vinzar, Pune 412213

The state of the s

Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha, Dist. Pune.

Under the Guidanes of

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City

has been successfully completed by Miss, Jadhav Ashwini Shiyaji of T.Y.B.A. History

during the academic year 2018-19

Under the Guidance of

Dr. Balasaheb Maruti Kendale

External Examiner

Amruteshwar Arla, Commerce & Science

A state of the sta

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2019-20 Savitribai Phule Pune University, Pune 411 007.

Through Department of History Amruteshwar Art's, Commerce and Science College Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By Kadu Sangram Sunil Department of History Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District - Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale Mondal

Project Guide Amruteshwar College,

Vinzar, Pune 412213

ommerce & Science Coilege, Vinzav, Tai, Jelho, Dist. Pune.

Under the Guidan a of

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City "has been successfully completed by Mr.Kadu Sangram Sunil of T.Y.B.A. History during the academic year 2019-20

Under the Guidance of

Dr. Balasaheb Maruti Kendale

Internal Examiner

Signature of the student

External Examiner

To a mile plant of man in the proper

Amruleshviar Arts, Commerce & Science College, Vinzar, Tal. Velhs, Dist. Pune.

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2019-20 Savitribai Phule Pune University, Pune 411 007.

Through Department of History

Amruteshwar Art's, Commerce and Science College

Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By
Bandal Aniket Gopal
Department of History
Amruteshwar Arts, Commerce & Science College, Vinzer,
Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

rating the green fibrate in finite in finite

Dr. Balasaheb Kendale

Project Guide Amruteshwar College,

Vinzar, Pune 412213

H ( ) 3 ( ) 3 ( ) 4 ( ) 5 ( )

Amrutos War Arts, Commerce & Science College, Vinzar, Tell, Jelha, Dist, Pune.

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City
"has been successfully completed by Mr.Bandal Aniket Gopal of T.Y.B.A. History during
the academic year 2019-20

Under the Guidance of

Dr. Balasaheb Maruti Kendale

Internal Examiner

Signature of the student

External Examiner

Amrutesh Var Arts, Commerce & Science College, Vinzar, Tai, Volho, Dist, Pune.

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2019-20 Savitribai Phule Pune University, Pune 411 007.

Through
Department of History
Amruteshwar Art's, Commerce and Science College
Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By
Darwatkar Ruchita Rajkumar
Department of History
Amruteshwar Arts, Commerce & Science College, Vinzer,
Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

on the the tere of Partetes, a Co. Late

or the Lacinty of Dr. Balasaheb Kendale

Kendale Blandel-Project Guide

Amruteshwar College,

Vinzar, Pune 412213

Miendan Je principal

Managern (201)

mrutestiver facts.

Callege, Vinzar, Tal. rellic. wise. A.Rroject Report

Entitled

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City
" has been successfully completed by Miss. Darwatkar Ruchita Rajaram of T.Y.B.A.

History during the academic year 2019-20

Under the Guidance of

Dr. Balasaheb Maruti Kendale

Internal Examiner

Signature of the student

External Examiner

Amnieshiller Arts, Commerce & Science College, Vincar, Tel. Velha, Dist. Pune.

## "A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2019-20 Savitribai Phule Pune University, Pune 411 007.

Through
Department of History
Amruteshwar Art's, Commerce and Science College
Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By Jamdar Abhijit Dattatray Department of History Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale Mondo

Project Guide

Amruteshwar College,

Vinzar, Pune 412213

Principal

-ruisshwar Arts, Commerce & Science

A Project Report Entitled

i geralie Gustar 10.

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City
" has been successfully completed by Mr.Jamdar Abhijit Dattatary of T.Y.B.A. History
during the academic year 2019-20

Tal. Vellio wise i all

Under the Guidance of

Jede Are Jet arcevi

Dr. Balasaheb Maruti Kendale

Internal Examiner

Tamden Abhilit Signature of the student

External Examiner

Scanned by CamScanner

"The Review and New Frontiers in Dark Matter"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor of Science

In

**Physics** 

Under the Faculty of Science and Technology

By

Mr. Sahil Anil Lande

Department of Physics Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213

Principal
Amruteshwar Arts, Commerce & Science
College, Vinzar, Tal. Velha. Dist. Pune.

This is to certify that, the project entitled "The Review and New Frontiers in Dark Matter" has been successfully completed by "Mr. Sahil Anil Lande" of T.Y.B.Sc Physics during the academic year 2019-2020.

Under the Guidance of

Project Co-Guide

Amruteshwar College, Vinzar

Project Guide

Amruteshwar College, Vinzar

rincipal amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha, Dist. Pune.

# A Project Report

"The Review and New Frontiers in Quantum Field Theory"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor of Science

In

**Physics** 

Under the Faculty of Science and Technology

Ву

Miss. Rajashri Maruti Renuse

Department of Physics

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213



Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha, Dist. Fune.

This is to certify that, the project entitled "The Review and New Frontiers in Quantum Field Theory" has been successfully completed by "Mr. Rajashri Maruti Renuse" of T.Y.B.Sc Physics during the academic year 2019-2020.

Under the Guidance of

Mr. Sujitkumar Mane

Project Co-Guide

Amruteshwar College, Vinzar

Mr. Prakash Chikte

Project Guide

Amruteshwar College, Vinzar

Signature of Student:

Internal Examiner:

External Examiner:

Search Se

Amrutes War Arts, Commerce & Science College, Vinzar, Tal. Velha. Dist. Pune.

"The Review and New Frontiers in Cosmological Constant"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor of Science

In

**Physics** 

Under the Faculty of Science and Technology

By

Mr. Kiran Sopan Bathe

Department of Physics

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213



Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha, Dist. Pune.

This is to certify that, the project entitled "The Review and New Frontiers in Cosmological Constant" has been successfully completed by "Mr. Kiran Sopan Bathe" of T.Y.B.Sc Physics during the academic year 2019-2020.

Under the Guidance of

Mr. Sujitkumar Mane
Project Co-Guide
Amruteshwar College, Vinzar

Mr. Prakash Chikte Project Guide

Amruteshwar College, Vinzar

Signature of Student:

Internal Examiner:

External Examiner

STATE OF STA

Amruteshwar Arts. Commerce & Science College, Vinzar, Tal. Velha, Dist. Pune.

"The Review and New Frontiers in Standard Model"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor of Science

In

**Physics** 

Under the Faculty of Science and Technology

By

Mr. Vishal Pandurang Madgude

Department of Physics Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213



Amrujoshwo Arts. Commerce & Scienc College, Vinzar, Tai. Velha, Dist. Pune.

This is to certify that, the project entitled "The Review and New Frontiers in Standard Model" has been successfully completed by "Mr. Vishal Pandurang Madgude" of T.Y.B.Sc Physics during the academic year 2019-2020.

Under the Guidance of

Mr. Šujitkumar Mane Project Co-Guide

Amruteshwar College, Vinzar

Mr. Prakash Chikte

Project Guide

Amruteshwar College, Vinzar

Signature of Student:

Amtuteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha. Dist. Fune.

# A Project Report

"The Review and New Frontiers in Parallel Universe"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor of Science

In

**Physics** 

Under the Faculty of Science and Technology

Ву

Mr. Ganesh Shankar Polekar

Department of Physics Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213.

Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213



Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Yelha. Dist. Pube

This is to certify that, the project entitled "The Review and New Frontiers in Parallel Universe" has been successfully completed by "Mr. Ganesh Shankar Polekar" of T.Y.B.Sc Physics during the academic year 2019-2020.

Under the Guidance of

Mr. Sujitkumar Mane

Project Co-Guide

Amruteshwar College, Vinzar

Mr. Prakash Chikte

Project Guide

Amruteshwar College, Vinzar

Signature of Student:

Internal Examiner:

External Examiner:



Amrulo Vinzar, Tal. Velha. Dist. Pun-

#### A Project Proposal Entitled

"The Review and New Frontiers in Dark Energy"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics, Amruteshwar Art's, Commerce And Science College Vinzar, Pune 411 041.

For the Degree of Batchelor Of Science

In

**Physics** 

Under the Faculty of Science and Technology

Ву

Mr. Amar Dhondiba More

Department of Physics

Amruteshwar Arts, Commerce & Science College,

Vinzer, Taluka Velhe, District - Pune, Pune 412 213.

Sem V February,2021

Mum), Under the Guidance of

Mr. Sujit Mane

Project Co-Guide

Amruteshwar College

Vinzar, Pune, 412213.

Mr. Prakash Chikte

Project Guide

Amruteshwar College,

Vinzar; Pune 412213

Principal

Amputechinal Arts, Commerce & Science College, Vinzar, Yel, Yelha, Dist. Puna.

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2020-21 Savitribai Phule Pune University, Pune 411 007.

Through

Department of History

Amruteshwar Art's, Commerce and Science College

Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental-Moral Science

By

Kadu Sangram Sunil

Department of History

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

- o Dr. Balasaheb Kendale

Project Guide

Amruteshwar College,

Vinzar, Pune 412213

To the state of th

Smruteshinar Arts. Commerce & Science College, Vinzar, Value, Dist. Pune.

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City "has been successfully completed by Mr.Kadu Sangram Sunil of T.Y.B.A. History during the academic year 2020-21

Under the Guidance of

Dr. Balasaheb Maruti Kendale

Internal Examiner

Signature of the student

External Examiner

THE SECOND STREET

American American American American

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2020-21 Savitribai Phule Pune University, Pune 411 007.

Through

Department of History

Amruteshwar Art's, Commerce and Science College

Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By
Khule Abhishek Chandrakant
Department of History

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale Manul

Project Guide

Amruteshwar College,

Vinzar, Pune 412213

Amruteshwar Arts, Commerce & Sciences, June 113,21...
College, Vinzar, Val. Velha, Dist. Pune.

A Project Report Entitled

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City
"has been successfully completed by Mr.Khule Abhishek Chandrakant of T.Y.B.A. History
during the academic year 2020-21

Under the Guidance of

Dr. Balasaheb Maruti Kendale

Internal Examiner

Signature of the student

External Examiner

Amrutesh Var Arte, Commerce & Science Coffegs, Vinzar, Val. Velha. Dist. Pune. "A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2020-21 Savitribai Phule Pune University, Pune 411 007.

Through
Department of History
Amruteshwar Art's, Commerce and Science College
Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

· ··In·

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By
Khutwad Gaurav Bajirao
Department of History
Amruteshwar Arts, Commerce & Science College, Vinzer,
Taluka Velhe, District – Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

en ar lura- Ha

Under the Guidance of

The Francis of Dr. Balasaheb Kendale Blondik

Project Guide Amruteshwar College, Vinzar, Pune 412213

Amruteshwar Arts, Commerce & Science College: Vinzar, Tal. Velhp: Dist. Pune.

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City
" has been successfully completed by Mr.Khtwad Gaurav Bajirao of T.Y.B.A. History
during the academic year 2020-21

Under the Guidance of

Dr. Balasaheb Maruti Kendale

Internal Examiner

Signature of the student

External Examiner

Ameniash on Anto Constructed & Solence
Conege, Vincar, Van. Volha. Dist. Pune.

Submitted to



Department of History Amruteshwar College Academic Year 2020-21 Savitribai Phule Pune University, Pune 411 007.

Through
Department of History
Amruteshwar Art's, Commerce and Science College
Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the Introduction to History(Historiography) (3178)

Under the Faculty of Mental Moral Science

By Koditkar Akahs Sanjay Department of History Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhë, District - Pune, Pune 412 213.

Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale

Project Guide Amruteshwar College,

Vinzar, Pune 412213

A STATE OF THE STA

Amrutesh Par Arts. Commerce & Science College. Vintar, Tal. Yelha. 1 st. ru

This is to certify that project entitled "A Report of Visits to Historical Places of Pune City "has been successfully completed by Mr.Koditkar Akash Sanjay of T.Y.B.A. History

during the academic year 2020-21

Under the Guidance of

Dr. Balasaheb Maruti Kendale

かん Internal Examiner

Signature of the student

External Examiner

America & Science & Scienc

## Samaj Shikshan Mandal's , Vinzar AMRUTESHWAR ARTS, COMMERC & SCIENCE COLLEGE, VINZAR, TAL-VELHE, DIST-PUNE

#### A Project Book

SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, FOR FIRST YEAR PHYSICAL EDUCATION

Ву

Name: Bache Asha Siteman

Projection: Yogasan

Branch: B.Com

Class: f.y.b.Com

Eligibility No: 1202671321 Exam Seat No: 20103

Subject Guide Dr .Sheetal Shendkar 2020-21

Amruteshwar Arts, Commerce & Sciens College, Vinzar, Tal. Velha, Dist. Pune.

DEPARTMENT OF PHYSICAL EDUCATION, Vinzar, Pune - 412213.

## Samaj Shikshan Mandal's , Vinzar AMRUTESHWAR ARTS, COMMERC & SCIENCE CO VINZAR, TAL-VELHE, **DIST-PUNE**

## A Project Book

SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, F FIRST YEAR PHYSICAL EDUCATION

By

Name: Saloni santay budhe project on - Jogusan

Branch: \$.4. B.com

Class: \$.4.b.com

Eligibility No: 120207913

Exam Seat No:

1202071323 35046 79913

20204

Subject Guide

Dr .Sheetal Shendkar 2020-2

DEPARTMENT OF PHYSICAL EDUCATION, Vinzar, Pune - 412213.

March 2020 -21

Amruteshwar Alta, Commerce & Science Comeo, Vinzar, Tale / cina, Dist. Puna

# Samaj Shikshan Mandal's, Vinzar AMRUTESHWAR ARTS, COMMERC & SCIENCE COLLEGE, VINZAR, TAL-VELHE, DIST-PUNE

# A Project Book

## SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, FOR FIRST YEAR PHYSICAL EDUCATION

#### By

Name: Jadhan Sayali Tukaram

Project on: Physical Education.

Branch: Mojor (commerce) Class: F.Y. B.COM

Eligibility No: 12020086908

Exam Seat No:

Subject Guide

Dr . Sheetal Shendkar Amruteshwar Arts, Commerce & Science 2020-21 Cu maa. Vinzar, Tal. Velho. Dist. Pune.

DEPARTMENT OF PHYSICAL EDUCATION, Vinzar, Pune – 412213.

## Samaj Shikshan Mandal's , Vinzar AMRUTESHWAR ARTS, COMMERC & SCIENCE COLLEGE, VINZAR, TAL-VELHE, DIST-PUNE

# A Project Book

SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, FOR FIRST YEAR PHYSICAL EDUCATION

By

Name: Kondhalkar Revati Jayuant Project on - Yogasan

Branch: 3 Compa

Class: F.YB.SC

Eligibility No: 1202071378

Exam Seat No: 35105

Subject Guide

Dr.Sheetal Shendkar

2020-21

Amruteshvar Arts, Commerce & Science College, Vinzar, Tal. Velha, Dist. Pune,

DEPARTMENT OF PHYSICAL EDUCATION, Vinzar, Pune - 412213.

# Samaj Shikshan Mandal's , Vinzar ESHWAR ARTS, COMMERC & SCIENCE COLLEGE, VINZAR, TAL-VELHE, **DIST-PUNE**

## A Project Book

SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, FOR **FIRST YEAR** PHYSICAL EDUCATION

Name: Danuatkar	Mayur Surash
	940

Project on: Wrestling

Branch:

Class: FY. BA

Principal

Eligibility No: 1202(0)7236 Exam Seat No: 2021112

Subject Guide

Dr .Sheetal Shendkar Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha, Dist. rune.

DEPARTMENT OF PHYSICAL EDUCATION, Vinzar, Pune - 412213.

# Samaj Shikshan Mandal's , Vinzar AMRUTESHWAR ARTS, COMMERC & SCIENCE COLLEGE, VINZAR, TAL-VELHE, DIST-PUNE

#### A Project Book

SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, FOR FIRST YEAR PHYSICAL EDUCATION By

Name: Deugiskar Tanuja Tanaji

Project on: Physical education.

Branch: Science

Class: FY b5C

Eligibility No: 1202118572

Exam Seat No: 13944

Subject Guide Principal

Dr .Sheetal Shendkar Amruteshwar Arts, Commerce & Science

College, Vinzar, Tal. Velha. Dist. Pulie.

DEPARTMENT OF PHYSICAL EDUCATION, Vinzar, Pune – 412213.

## Samaj Shikshan Mandal's, Vinzar AMRUTESHWAR ARTS, COMMERC & SCIENCE COLLEGE, VINZAR, TAL-VELHE, **DIST-PUNE**

#### A Project Book

SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, FOR **FIRST YEAR** PHYSICAL EDUCATION By

Name: Maral omkar chardrakant

Project on: Tennis

Branch: Vinjar

Class: f.y. B. A

Eligibility No: 12021017257 Exam Seat No: 2021165

Dr . Sheetal Shendkar Amruteshwar Arts, Commerce & Science

College, Vinzar, Tal. Velha, Dist. Pune.

DEPARTMENT OF PHYSICAL EDUCATION, Vinzar, Pune - 412213.

## Samaj Shikshan Mandal's , Vinzar AMRUTESHWAR ARTS, COMMERC & SCIENCE COLLEGE, VINZAR, TAL-VELHE, **DIST-PUNE**

#### A Project Book

SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, FOR FIRST YEAR PHYSICAL EDUCATION By

Name: Isha Salish kad Project on: kbaddi

Branch:

Class: F.Y.B.A

Eligibility No:

Exam Seat No: 2021145

Subject Guide

Principal Dr . Sheetal Shendkar Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha, Dist. Pune.

DEPARTMENT OF PHYSICAL EDUCATION, Vinzar, Pune - 412213.

# **Application Form**

# **Physical Education Scheme**



Project 2021-22

Name of Student	Bhartekar Darshani shivaji
Address for Correspondence	AT Nigade khurd Post - Varoti Tel- Velhe Dist pune 412212
Class	F.Y. B. com Roll No.: 1/2/0

Section / Faculty	
Sex	Male / Female Female
Date of Birth	4 march 2003
Age	20
Blood Group	A†
Height	156 cm
Weight	39 kg
Game Selected	kabbadi

The Student shall have to choose any one sport event as per the availability of the infrastructure and equipments in the college. For his/her convenience they may consult the College Director of Physical Education.

I, the undersigned declare that, I shall practice the selected events as per the instructions given by the College Director of Physical Education and abide by the rules made thereof. Further, I certify that, I shall not change or switch over to any other event in the mid of the session and appear the final test in the events selected under this form

Director

Principal Amruteshwar Arts, Commerce & Science

Date: 16 /5 /22

College, Vinzar, Tal. Yelha. Dist. Pune.

# **Application Form**

# **Physical Education Scheme**





Name of Student	Neha Bajtray D	volige_	of the section
Address for Correspondence	Neha Bajéran D	Jackery	7/1
113)			
Class	f.y. B.com	Roll No.:	11410
Section / Faculty			1 1 1 1
Sex	-Male / Female		
Date of Birth	5-9-2003		
Age	19	<u> </u>	
Blood Group	'		
Height	5.00		
Weight	40		
Game Selected	Kabaddi		- (5)

The Student shall have to choose any one sport event as per the availability of the infrastructure and equipments in the college. For his/her convenience they may consult the College Director of Physical Education.

I, the undersigned declare that, I shall practice the selected events as per the instructions given by the College Director of Physical Education and abide by the rules made thereof. Further, I certify that, I shall not change or switch over to any other event in the mid of the session and appear the final test in the events selected under this form.

Shipop.

Principal

Amruteshwar Arts, Commerce & Science

College, Vinzar, Tal. Yelha, Dist. Pune.

Signature of the Student

Date: 10/5/22

# **Application Form**

## **Physical Education Scheme**

project. 2021-22



Name of Student	Dhebe Prasad kondi	ba
Address for Correspondence	AT Post. velke Tel. Vel	The Dist Pune 412212
	F.Y.B.com	Roll No.: // 3 1 2_

Section / Faculty				
Sex	Male / Eem <del>al</del> e	MALE		
Date of Birth	1 Aug 2003	Sol	,,,	
Age	19		44	
Blood Group	0+			
Height	172 cm			
Weight	60 kg			
Game Selected	kabbadi			

The Student shall have to choose any one sport event as per the availability of the infrastructure and equipments in the college. For his/her convenience they may consult the College Director of Physical Education.

I, the undersigned declare that, I shall practice the selected events as per the instructions given by the College Director of Physical Education and abide by the rules made thereof. Further, I certify that, I shall not change or switch over to any other event in the mic of the session and appear the final test in the events selected under this form.

Principal

Amrutoshwar Arts, Commerce & Science

College, Vinzar, Tal. Velha, Dist. Pune.

Signature of the Student

angle

"Review and New Frontiers in Exoplanets: Worlds Beyound Our Solar System- Part I"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

## Department of Physics, Amruteshwar Art's, Commerce And Science College

Vinzar, Pune 412213.

## For the Degree of Batchelor Of Science

In

## **Physics**

Under the Faculty of Science and Technology

By

#### Mr. Mayur Vilaas Gaikwad

Department of Physics

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

#### Sem V

Under the Guidance of

Mr. Sujit Mane Project Co-Guide

Amruteshwar College Vinzar, Pune, 412213.

Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213

This is certified that, the project report "Review and New Frontiers in Exoplanets: Worlds Beyound Our Solar System-Part I" is the bonafide work of "Mr. Mayur Gaikwad "of T.Y.B.Sc Physics during the academic year 2021-2022 (Semester V), who carried out the project work under my supervisions.

#### Under the Guidance of

**Mr. Sujitkumar Mane**Project Co-Guide
Amruteshwar College, Vinzar

Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar

Signature of Student:

Internal Examiner:

External Examiner

Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha. Dist. Fune

"The Review and New Frontiers in the Study of End of Universe And A Cosmological View-Part I"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor Of Science

In

**Physics** 

Under the Faculty of Science and Technology

By

Mr. Abhishek Shrikant Pawar

Department of Physics

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Sem V

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213

This is certified that, the project report "The Review and New Frontiers in the Study of End of Universe And A Cosmological View-Part I" is the bonafide work of "Mr. Abhishek Pawar "of T.Y.B.Sc Physics during the academic year 2021-2022 (Semester V), who carried out the project work under my supervisions.

#### Under the Guidance of

Mr. Sujitkumar Mane Project Co-Guide Amruteshwar College, Vinzar Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar

Signature of Student:

Internal Examiner:

Principal

Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha, Dist. Pune.

"The Review and New Frontiers in Dark Energy-Part I"

Submitted to





Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor Of Science

In

**Physics** 

Under the Faculty of Science and Technology

By

Mr. Pratk Rohidas Dighe

Department of Physics Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Sem V

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213

This is certified that, the project report "The Review and New Frontiers in Dark Energy-Part I" is the bonafide work of "Mr. Pratik Dighe "of T.Y.B.Sc Physics during the academic year 2021-2022 (Semester V), who carried out the project work under my supervisions.

#### Under the Guidance of

Mr. Sujitkumar Mane Project Co-Guide Amruteshwar College, Vinzar

Mr. Prakash Chikte
Project Guide
Amruteshwar College, Vinzar

Signature of Student :

Internal Examiner:

Principal

Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Yelha, Dist. Pune,

"Review and New Frontiers in Exoplanets: Worlds Beyound Our Solar System- Part II"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics, Amruteshwar Art's, Commerce And Science College Vinzar, Pune 412213.

For the Degree of Batchelor Of Science

In

**Physics** 

Under the Faculty of Science and Technology

By

Mr. Mayur Vilaas Gaikwad

Department of Physics

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Sem VI

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte
Project Guide
Amruteshwar College,
Vinzar, Pune 412213

This is certified that, the project report "Review and New Frontiers in Exoplanets: Worlds Beyound Our Solar System-Part II" is the bonafide work of "Mr. Mayur Gaikwad "of T.Y.B.Sc Physics during the academic year 2021-2022 (Semester VI), who carried out the project work under my supervisions.

#### Under the Guidance of

Mr. Sujitkumar Mane Project Co-Guide Amruteshwar College, Vinzar Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar

Signature of Student:

Internal Examiner:

fincipal

Amruteshwar Arts, Commerce & Science

College, Vinzar, Tal. Yelha. Dist. Fune

"The Review and New Frontiers in the Study of End of Universe
And A Cosmological View-Part II"

Submitted to



Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics,
Amruteshwar Art's, Commerce And Science College
Vinzar, Pune 412213.

For the Degree of Batchelor Of Science

In

**Physics** 

Under the Faculty of Science and Technology

Ву

Mr. Abhishek Shrikant Pawar

Department of Physics

Amrúteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Sem VI

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213

der.

This is certified that, the project report "The Review and New Frontiers in the Study of End of Universe And A Cosmological View-Part II" is the bonafide work of "Mr. Abhishek Pawar "of T.Y.B.Sc Physics during the academic year 2021-2022 (Semester V), who carried out the project work under my supervisions.

#### Under the Guidance of

**Mr. Sujitkumar Mane**Project Co-Guide
Amruteshwar College, Vinzar

Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar

Signature of Student:

Internal Examiner:

Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha. Dist. Pune.

Principal

# A Project Report

"The Review and New Frontiers in Dark Energy-Part II"

Submitted to





Savitribai Phule Pune University, Pune 411 007.

Through

Department of Physics, Amruteshwar Art's, Commerce And Science College Vinzar, Pune 412213.

#### For the Degree of Batchelor Of Science

In

#### **Physics**

Under the Faculty of Science and Technology

Ву

#### Mr. Pratk Rohidas Dighe

Department of Physics
Amruteshwar Arts, Commerce & Science College,
Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

#### Sem VI

Under the Guidance of

Mr. Sujit Mane Project Co-Guide Amruteshwar College Vinzar, Pune, 412213. Mr. Prakash Chikte Project Guide Amruteshwar College, Vinzar, Pune 412213

# CERTIFICATE CERTIFICATE

This is certified that, the project report "The Review and New Frontiers in Dark Energy-Part II" is the bonafide work of "Mr. Pratik Dighe "of T.Y.B.Sc Physics during the academic year 2021-2022 (Semester VI), who carried out the project work under my supervisions.

## Under the Guidance of

**Mr. Sujitkumar Mane** Project Co-Guide Amruteshwar College, Vinzar Mr. Prakash Chikte
Project Guide
Amruteshwar College, Vinzar

Signature of Student:

Internal Examiner

Principal

Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha. Dist. Pune.

#### A Project Proposal Report

"A Report on Visit To Torna and Rajgad Forts of Velhe Tehsil"

Submitted to



Department of History Amruteshwar College Academic Year 2021-22

Savitribai Phule Pune University, Pune 411 007.

Through

Department of History

Amruteshwar Art's, Commerce And Science College

Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the paper Applied History (DSE-1D 36171)

Under the Faculty of Mental Moral Science

Ву

Ms . Swami Pooja Vithal

Department of History

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Sem VI

Under the Guidance of

Dr. Balasaheb Kendale

Project Guide Amruteshwar College,

Vinzar, Pune 412213

हा चेल्हा जि. पूर्णे.

Principal

Amruteshwar Arts, Commerce & Science College, Vinzar, Tai, Yelha, Dist, Pune.

This is certified that, the project report "A Report of Visit to Tornal and Rajgad Fort" is the bonafide work of "Mr. Swami Pooja Vithal" of T.Y.B.A. History during the academic year 2021-2022 (Semester VI), who carried out the project work under my supervisions.

Under the Guidance of

Prof. Dr. Balasaheb Kendale

Internal Examiner:

External Examiner:



Principal
Amruteshwar Arts, Commerce & Science
College, Vinzar, Tai. Velha. Dist. Pune

"A Project on tourism Potential of Velhe Tehsil"

Submitted to



Department of History Amruteshwar College Academic Year 2021-22

Savitribai Phule Pune University, Pune 411 007.

Through

Department of History

Amruteshwar Art's, Commerce And Science College

Vinzar, Pune 411 041.

For the Degree of Batchelor Of Arts

In

History

For the paper Applied History (DSE-1D 36171)

Under the Faculty of Mental Moral Science

By

Ms Shedge Savita Balu

Department of History

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Sem VI

Under the Guidance of

Blando Dr. Balasaheb Kendale

Project Guide

Amruteshwar College,

Vinzar, Pune 412213

Principal

Amruteshwar Arts, Commerce & Scienc College, Vinzar, Tal. Velha. Dist. Pune.



This is certified that, the project report "A Project on tourism potential of Velhe Tehsil" is the bonafide work of "Ms. Shedge Savita Balu" of T.Y.B.A. History during the academic year 2021-2022 (Semester VI), who carried out the project work under my supervisions.

Under the Guidance of

Prof. Dr. Balasaheb Kendale

Bkender Internal Examiner:

External Examiner:

Principal

Amruteshwar Arts, Commerce & Science College, Vinzar, Tal. Velha. Dist. Puna



"A Report of visits to Historical Places of Velhe Tehsil"

Submitted to



Department of History Amruteshwar College Academic Year 2021-22

Savitribai Phule Pune University, Pune 411 007.

Through

Department of History (DSE-1D) 36171

Amruteshwar Art's, Commerce And Science College

Vinzar, Punc 411 041.

For the Degree of Batchelor Of Arts

In

History

For the paper Applied History (DSE-1D-36171)

Under the Faculty of Mental Moral Science
By

Ms. Shoba Sandip Shedge

Department of History

Amruteshwar Arts, Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Sem VI

Under the Guidance of

Dr. Balasaheb Kendale

Project Guide

Amruteshwar College,

Vinzar, Pune 412213

Principal

Amruteshwar Arts, Commerce & Scienc College, Vinzar, Tal. Velha, Dist. Pune.

This is certified that, the project report "A Report of Visit to Historical Places of Velhe Tehsil" is the bonafide work of "Ms. Shoba Sandip Shedge" of T.Y.B.A. History during the academic year 2021-2022 (Semester VI), who carried out the project work under my supervisions.

Under the Guidance of

Prof. Dr. Balasaheb Kendale

Myendale Internal Examiner:

External Examiner :

FE FERTH FIFTH FOR STATE OF ST

Frincipa:
Amruteshwar Arts, Commerce & Science
College, Vinzar, Tal. Velha. Dist. Puin-

"A Report of visits to Historical Places of Pune City"

Submitted to



Department of History Amruteshwar College Academic Year 2021-22 Savitribai Phule Pune University, Pune 411 007.

Through
Department of History
Amruteshwar Art's, Commerce and Science College
Vinzar, Pune 411 0411

For the Degree of Batchelor Of Arts

In

History

For the paper Applied History (DSE-1D-36171)
Under the Faculty of Mental Moral Science

Ву

Mr. Atul S Ranjane

Department of History

Amruteshwar Arts. Commerce & Science College, Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Sem VI

Under the Guidance of

Br. Balasaheb Kendale

Project Guide Amruteshwar College,

Vinzar, Pune 412213

Principa!

Amruteshwar Arts, Commerce & Scient College, Vinzar, Tal. Yelha, Dist. Pune

This is certified that, the project report "A Report of Visit to Historical Places of Pune City" is the bonafide work of "Mr. Atul S Ranjane" of T.Y.B.A. History during the academic year 2021-2022 (Semester VI), who carried out the project work under my supervisions.

#### Under the Guidance of

Prof. Dr. Balasaheb Kendale

Brandse : Internal Examiner :

External Examiner :

San Strain Strai

Principal
Amniteshwar Arts, Commerce & Science
College, Vinzar, Tal. Yellia, Dist. Pune