



"Sarva Shreshtha Dan Vidya Dan"

Samaj Shikshan Mandal

**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)]

**NAAC Reaccredited - B**

Principal  
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M.A., M.Phil., GDC&A., Ph.D.

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Ref. : A.A.C.S.C. / /20

Date : / / 20

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**SELF-STUDY REPORT (SSR)**

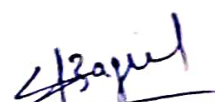
**CRITERION - I**

**CURRICULUAR ASPECTS**

K. I. No.	KEY INDICATOR (K.I.)		
1.3.2 (Q1M)	Average percentage of courses that include experiential learning through project work/field work/internship during last five years		
	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)	26 to 44
	4	Project work for the AY 2020--2021 (Course History, Physics, Physical Education)	45 to 55
	5	Project work for the AY 2021--2022 (Course- History, Physics, Physical Education)	56 to 82
Total Pages of Supporting Documents			82

Date : 10<sup>th</sup> January, 2023

Place : Vinzar (Velhe) Pune

  
Head Criterion-I

  
Co-ordinator, IQAC

  
Principal



**I.Q.A.C.**  
Amruteshwar Arts, Commerce  
& Science College, Vinzar,  
Velhe,

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

**A Project Report  
Entitled**

**"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**

**Project Guide**

**Amruteshwar College,**

**Vinzar, Pune 412213**



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

## CERTIFICATE

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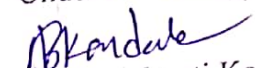
has been successfully completed by Mr.Bhosale Dhananjay Ramchandra of T.Y.B.A.

History during the academic year 2017-18

B

  
Internal Examiner

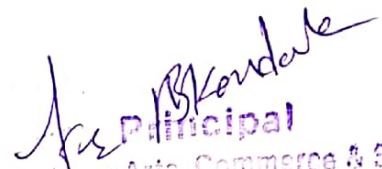
Dhananjay R. Bhosale  
Signature of the student

Under the Guidance of  
  
Dr. Balasaheb Maruti Kendale



External Examiner



  
Principal  
Amruteshwar Arts, Commerce & Science  
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By

Hande Pooja Rajaram

Department of History

Amruteshwar Arts, Commerce & Science College, Vinzar,  
Taluka Velhe, 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

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

**A Project Report  
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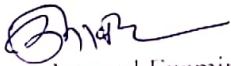



## CERTIFICATE


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" 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

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

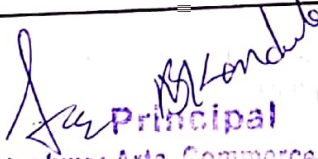
**Yearly Pattern (2013) T.Y.B.A.**

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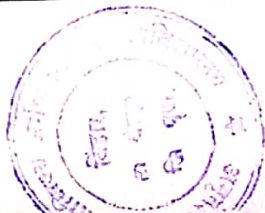
**Dr. Balasaheb Kendale**

Project Guide

Amruteshwar College,  
Vinzar, Pune 412213

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

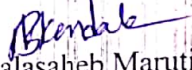
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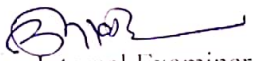


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" has been successfully completed by Miss Karanjkar Tejal Anna of T.Y.B.A. History  
during the academic year 2017-18

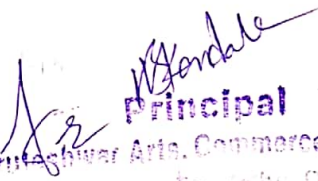
Under the Guidance of

  
Dr. Balasaheb Maruti Kendale

  
Internal Examiner

Tejas Karanjkar  
Signature of the student

  
External Examiner

  
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Under the Faculty of Mental Moral Science

By  
Katurde Dnyaneshawar Pandurang  
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Taluka Velhe, District - Pune, Pune 412 213.

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

Under the Guidance of

Dr. Balasaheb Kendale *B. Kendale*  
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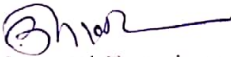
*B. Kendale*  
Principal  
Amruteshwar Arts, Commerce & Science  
College, Vinzar, Tal. Velhe, Dist. Pune

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History during the academic year 2017-18

Under the Guidance of

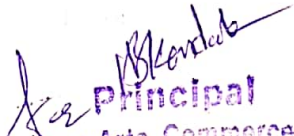
  
Dr. Balasaheb Maruti Kendale

  
Internal Examiner

Katurde.  
Signature of the student



External Examiner

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



**A Project Report**

Entitled

**"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

Amruteshwar College

Vinzar, Pune, 412213.

**Mr. Prakash Chikte**

Project Guide

Amruteshwar College,

Vinzar, Pune 412213



**Principal**

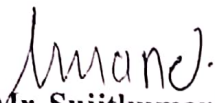
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College, Vinzar, Tal. Velhe, Dist. Pune.

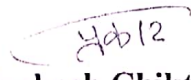


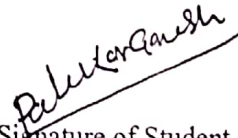
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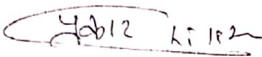
This is to certify that, the project entitled "The Review and New Frontiers in Parallel Universe" has been successfully completed by "Mr. Ganesh Shankar Polekar" of T.Y.B.Sc Physics during the academic year 2018-2019 .

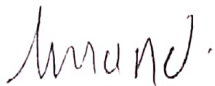
Under the Guidance of

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

  
**Mr. Prakash Chikte**  
Project Guide  
Amruteshwar College, Vinzar

  
Signature of Student :

  
Internal Examiner :

  
External Examiner :



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

**A Project Report**  
**Entitled**

**“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

By

**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




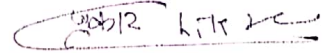
*Principal*  
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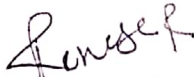
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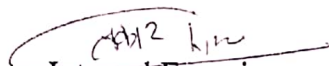
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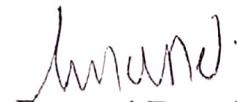
Under the Guidance of

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

  
Mr. Prakash Chikte  
Project Guide  
Amruteshwar College, Vinzar

  
Signature of Student :

  
Internal Examiner :

  
External Examiner :



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



**A Project Report  
Entitled**

**“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

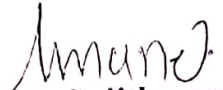


  
**Principal**

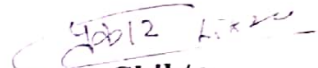
Amruteshwar Arts, Commerce & Science  
College, Vinzar, Tal. Velhe, Dist. Pune,

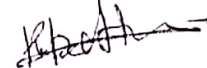
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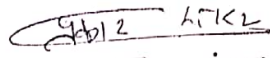
This is to certify that, the project entitled "The Review and New Frontiers in Cosmological Constant" has been successfully completed by "Mr. Kiran Sopan Bathe" of T.Y.B.Sc Physics during the academic year 2018-2019 .


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

Under the Guidance of

  
**Mr. Prakash Chikte**  
Project Guide  
Amruteshwar College, Vinzar

  
Signature of Student :

  
Internal Examiner :

  
External Examiner :



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

**A Project Report**

**Entitled**

**“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**

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**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**



  
**Principal**

**Amruteshwar Arts, Commerce & Science  
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# CERTIFICATE

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**Under the Guidance of**

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

**Mr. Prakash Chikte**  
Project Guide  
Amruteshwar College, Vinzar

Vinayade  
Signature of Student :

Ych12 L1K2e  
Internal Examiner:

External Examiner :



  
Principal  
Amruteshwar Arts, Commerce & Science  
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By  
Daswadkar 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**

Project Guide

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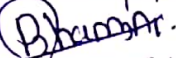
" has been successfully completed by Miss . Daswadkar Bhamini Dattatray of T.Y.B.A.


History during the academic year 2018-19

Under the Guidance of

  
Dr. Balasaheb Maruti Kendale

  
Internal Examiner

  
Signature of the student

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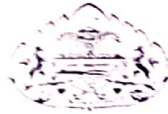
  
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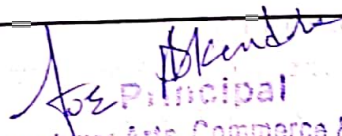
By  
Harpude Yogesh Balu  
Department of History  
Amruteshwar Arts, Commerce & Science College, Vinzer,  
Taluka Velhe, District – Pune, Pune 412 213.

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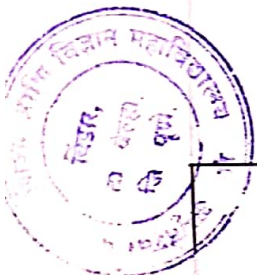
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the academic year 2018-19

Under the Guidance of

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Internal Examiner

Signature of the student

External Examiner

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A Project Report  
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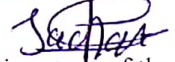
## CERTIFICATE


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

  
Internal Examiner

  
Signature of the student

  
External Examiner

  
for Principal  
Amruteshwar Arts, Commerce & Science  
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 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  
Project Guide

Amruteshwar College,  
Vinzar, Pune 412213



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

Under the Guidance of

Dr. Balasaheb Kendale



## CERTIFICATE

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 Shivaji of T.Y.B.A. History  
during the academic year 2018-19

Under the Guidance of

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Dr. Balasaheb Maruti Kendale

Ashwini  
Internal Examiner  
Signature of the student

Amruteshwar  
External Examiner

B. Kendale  
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**"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  
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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, Vinzar,  
Taluka Velhe, District – Pune, Pune 412 213.

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

Under the Guidance of

Dr. Balasaheb Kendale  
Project Guide  
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Vinzar, Pune 412213



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

Under the Guidance of

Dr. Balasaheb Kendale

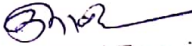
Project Guide

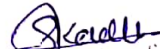
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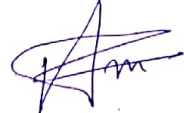
This is to certify that project entitled " A Report of Visits to Historical Places of Pune City " has been successfully completed by Mr.Kadu Sangram Sunil of T.Y.B.A. History during the academic year 2019-20

Under the Guidance of

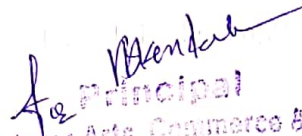
  
Dr. Balasaheb Maruti Kendale

  
Internal Examiner

  
Signature of the student

  
External Examiner



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

**A Project Report  
Entitled**

**“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**

**Dr. Balasaheb Kendale**

**Project Guide**

**Amruteshwar College,**

**Vinzar, Pune 412213**



**for Principal**  
**Amruteshwar Arts, Commerce & Science**  
**College, Vinzar, Tal. Velhe, Dist. Pune.**

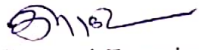


## CERTIFICATE


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

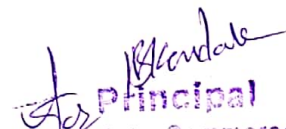
  
Dr. Balasaheb Maruti Kendale

  
Internal Examiner

Signature of the student

  
External Examiner



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

**A Project Report  
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**"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  
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Taluka Velhe, District - Pune, Pune 412 213.**

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

Under the Guidance of

**Dr. Balasaheb Kendale**  
Project Guide

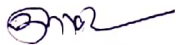
**Amruteshwar College,  
Vinzar, Pune 412213**

**Principal**  
*B. Kendale*

**Amruteshwar Arts, Commerce & Science  
College, Vinzar, Tal. Velhe, Dist. Pune**  
**A Project Report  
Entitled**

## CERTIFICATE

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

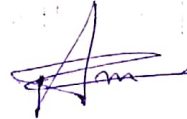


Internal Examiner

Signature of the student

Under the Guidance of

  
Dr. Balasaheb Maruti Kendale



External Examiner



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

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

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Department of History Amruteshwar College  
Academic Year 2019-20  
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Through  
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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, Vinzar,  
Taluka Velhe, District - Pune, Pune 412 213.

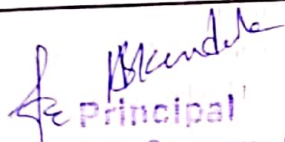
Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

Dr. Balasaheb Kendale

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Amruteshwar College,  
Vinzar, Pune 412213

  
Principal

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

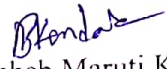
A Project Report  
Entitled



## CERTIFICATE

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

Under the Guidance of

  
Dr. Balasaheb Maruti Kendale

  
Internal Examiner

Jamdar Abhijit  
Signature of the student

  
External Examiner

  
Principal  
Amrute  
Tal. Velhe

**A Project Report**

**Entitled**

**“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**

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Vinzar, Pune, 412213.**

**Mr. Prakash Chikte**

**Project Guide**

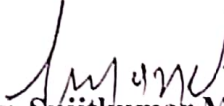
**Amruteshwar College,  
Vinzar, Pune 412213**

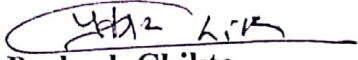
  
**Principal**  
**Amruteshwar Arts, Commerce & Science  
College, Vinzar, Tal. Velha. Dist. Pune.**




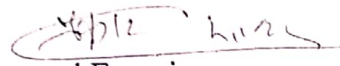
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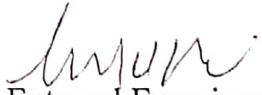
This is to certify that, the project entitled "The Review and New Frontiers in Dark Matter" has been successfully completed by "Mr. Sahil Anil Lande" of T.Y.B.Sc Physics during the academic year 2019-2020 .

  
Under the Guidance of  
**Mr. Sujitkumar Mane**  
Project Co-Guide  
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**Mr. Prakash Chikte**  
Project Guide  
Amruteshwar College, Vinzar

  
Signature of Student :

  
Internal Examiner :

  
External Examiner :



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

**A Project Report  
Entitled**

**“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

By

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Department of Physics

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Under the Guidance of

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Vinzar, Pune 412213




  
**Principal**  
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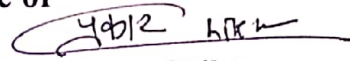


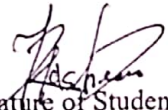
## CERTIFICATE


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 .

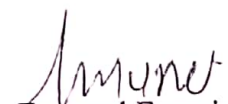
  
Mr. Sujitkumar Mane  
Project Co-Guide  
Amruteshwar College, Vinzar

Under the Guidance of

  
Mr. Prakash Chikte  
Project Guide  
Amruteshwar College, Vinzar

  
Signature of Student :

  
Internal Examiner :

  
External Examiner :



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

**A Project Report  
Entitled**

**“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

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Under the Guidance of

**Mr. Sujit Mane**

Project Co-Guide

Amruteshwar College  
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**Mr. Prakash Chikte**

Project Guide

Amruteshwar College,  
Vinzar, Pune 412213

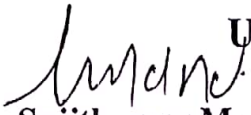


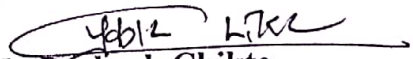
  
**Principal**  
Amruteshwar Arts, Commerce & Science  
College, Vinzar, Tal. Velha, Dist. Pune.

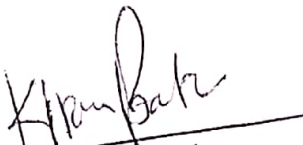
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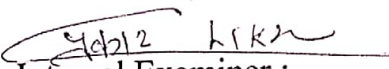
This is to certify that, the project entitled “The Review and New Frontiers in Cosmological Constant” has been successfully completed by “Mr. Kiran Sopan Bathe” of T.Y.B.Sc Physics during the academic year 2019-2020 .

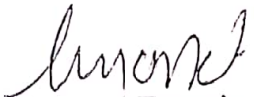
Under the Guidance of

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

  
**Mr. Prakash Chikte**  
Project Guide  
Amruteshwar College, Vinzar

  
Signature of Student :

  
Internal Examiner :

  
External Examiner :



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

**A Project Report**  
**Entitled**

**“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**

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**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**

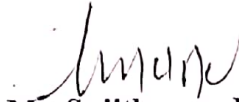


  
**Amruteshwar Arts, Commerce & Science**  
**College, Vinzar, Tal. Velha, Dist. Pune.**

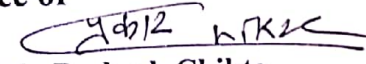


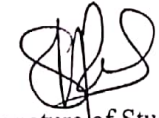
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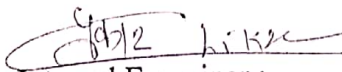
This is to certify that, the project entitled "The Review and New Frontiers in Standard Model" has been successfully completed by "Mr. Vishal Pandurang Madgude" of T.Y.B.Sc Physics during the academic year 2019-2020 .

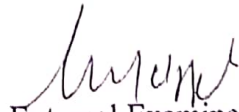
  
**Mr. Sujitkumar Mane**  
Project Co-Guide  
Amruteshwar College, Vinzar

Under the Guidance of


  
**Mr. Prakash Chikte**  
Project Guide  
Amruteshwar College, Vinzar

  
Signature of Student :

  
Internal Examiner :

  
External Examiner :



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

**A Project Report**  
**Entitled**

**“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

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**Mr. Prakash Chikte**

Project Guide


Amruteshwar College,  
Vinzar, Pune 412213



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

## CERTIFICATE

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

### Under the Guidance of


Yash L. K.  
Mr. Prakash Chikte  
Project Guide  
Amruteshwar College, Vinzar

Signature of Student :

Internal Examiner:

External Examiner :



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

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.

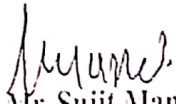
For the Degree of Batchelor Of Science  
In  
Physics  
Under the Faculty of Science and Technology

By

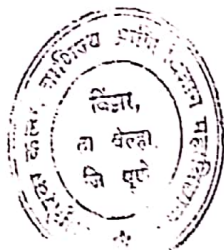
Mr. Amar Dhondiba More  
Department of Physics  
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Vinzer, Taluka Velhe, District – Pune, Pune 412 213.

Sem V February, 2021

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. Puna.



**A Project Report  
Entitled**

**"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

*B. Kendale*  
**Dr. Balasaheb Kendale**

Project Guide

Amruteshwar College,  
Vinzar, Pune 412213

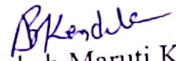


*B. Kendale*  
**Principal**  
Amruteshwar Arts, Commerce & Science  
College, Vinzar, Tal. Velha, Dist. Pune.

## CERTIFICATE

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

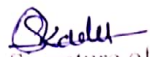
Under the Guidance of

  
Dr. Balasaheb Maruti Kendale

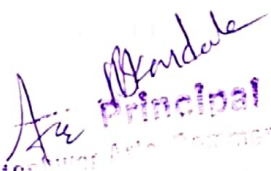


External Examiner

  
Internal Examiner

  
Signature of the student



  
**Principal**  
Amruteshwar Arts, Commerce & Science  
College, Vindhyachal, Tal. Warananasi, Dist. Pune.

**A Project Report  
Entitled**

**"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, Vinzar,  
Taluka Velhe, 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

Principal

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

**A Project Report  
Entitled**

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during the academic year 2020-21

Under the Guidance of

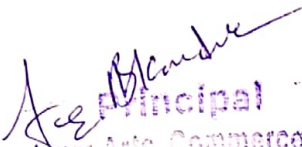
  
Dr. Balasaheb Maruti Kendale

  
Internal Examiner

Signature of the student

  
External Examiner



  
Principal  
Amruteshwar Arts, Commerce & Science  
College, Vinkar, Tal. 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**

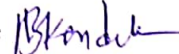
**Department of History**

**Amruteshwar Arts, Commerce & Science College, Vinzar,**

**Taluka Velhe, District – Pune, Pune 412 213.**

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

**Under the Guidance of**

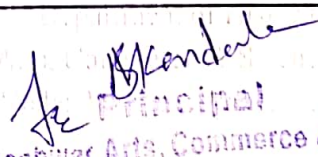
**Dr. Balasaheb Kendale** 

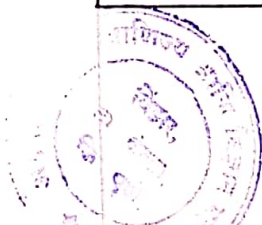
**Project Guide**

**By**

**Amruteshwar College,**

**Vinzar, Pune 412213**

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

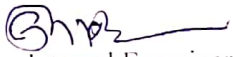


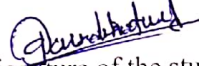
## CERTIFICATE

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

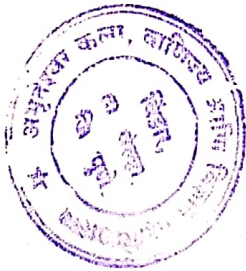
  
Dr. Balasaheb Maruti Kendale

  
Internal Examiner

  
Signature of the student



External Examiner



  
Principal  
Amruteshwar Arts, Commerce & Science  
College, Vinzar, Tal. Volha, 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.

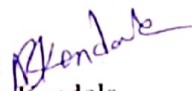
Through  
Department of History  
Amruteshwar Art's, Commerce and Science College  
Vinzar, Pune 411 041.

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

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

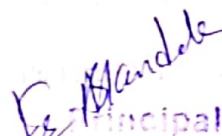
Yearly Pattern (2013) T.Y.B.A.

Under the Guidance of

  
Dr. Balasaheb Kendale

Project Guide  
Amruteshwar College,  
Vinzar, Pune 412213



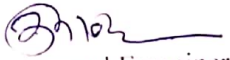
  
Principal  
Amruteshwar Arts, Commerce & Science  
College, Vinzar, Tal. Velhe, Dist. Pune

## CERTIFICATE

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

  
Internal Examiner

Signature of the student

External Examiner



  
Principal  
Amruteshwar Arts, Commerce & Science  
College, Jalgaon, Tal. Jalgaon, Dist. Jalgaon.



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

A Project Book

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

By

Name: Badhe Asha Sitaram


Project on :- Yogasana


Branch: B.Com

Class: F.Y.B.COM

Eligibility No: 1202071321

Exam Seat No: 20103

  
Subject Guide  
Dr .Sheetal Shendkar  
2020-21

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

DEPARTMENT OF PHYSICAL EDUCATION,  
Vinzar, Pune - 412213.

March 2020 -21



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FIRST YEAR  
PHYSICAL EDUCATION

By

Name: Saloni Santay bddhe  
Project on - Yogasana

Branch: \$ . Y . B . com

Class: \$ . Y . B . com

Eligibility No: 120207913

Exam Seat No:

1202071323 35046 79913

20204

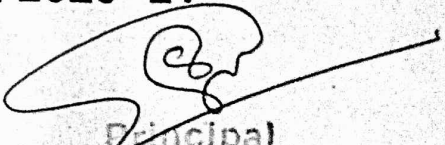
Subject Guide

Dr . Sheetal Shendkar

2020-21

DEPARTMENT OF PHYSICAL EDUCATION,  
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March 2020 -21

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

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PHYSICAL EDUCATION


By

Name: Jadhav Sayali Tukaram

Project on: Physical Education


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

Eligibility No: 12020086908 Exam Seat No:

  
Subject Guide

Dr. Sheetal Shendkar

2020-21

  
Principal

Amruteshwar Arts, Commerce & Science  
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March 2020 -21

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PHYSICAL EDUCATION

By


Name: Kandhalkar Revati Jaywant  
Project on - Yogaasan

Branch: SC

Class: F.Y.B-SC

Eligibility No: 1202071378

Exam Seat No: 35105

  
Subject Guide  
Dr. Sheetal Shendkar  
2020-21

  
Principal  
Amruteshwar Arts, Commerce & Science  
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March 2020 -21

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PHYSICAL EDUCATION  
By

Name: Daxwatkar Mayur Suresh


Project on: wrestling

Branch:

Class: FY.BA

Eligibility No: 12021017236

Exam Seat No: 2021112

  
Subject Guide

Dr .Sheetal Shendkar

  
Principal

Amruteshwar Arts, Commerce & Science  
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DEPARTMENT OF PHYSICAL EDUCATION,  
Vinzar, Pune – 412213.

March 2021 -22



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

Name: Devgirkar Tanuja Tanaji.....

Project on: Physical education.....

Branch: Science

Class: FY BSC

Eligibility No: 1202118572

Exam Seat No: 13944

  
Subject Guide  
Dr .Sheetal Shendkar

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

DEPARTMENT OF PHYSICAL EDUCATION,  
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March 2021 -22



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 chandrakant

Project on: Tennis

Branch: Vinjar

Class: f.y. B. A

Eligibility No: 12021017257

Exam Seat No: 2021165

  
Subject Guide  
Dr .Sheetal Shendkar

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

DEPARTMENT OF PHYSICAL EDUCATION,  
Vinzar, Pune – 412213.

March 2021 -22

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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 Satish kady

Project on: kbaddi

Branch:

Class: F.Y.B.A

Eligibility No:

Exam Seat No: 2021145

  
Subject Guide

Dr .Sheetal Shendkar



Principal

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

DEPARTMENT OF PHYSICAL EDUCATION,  
Vinzar, Pune – 412213.

March 2021 -22



# Application Form

## Physical Education Scheme

Project - 2021-22




<b>Name of Student</b>	Bhavtekar Darshani Shivaji	
<b>Address for Correspondence</b>	A.T. Nigade khurd Post - Varoti	
	Tel - velhe Dist pune 412212	
<b>Class</b>	F.Y. B.COM	<b>Roll No.:</b> 11210

<b>Section / Faculty</b>	
<b>Sex</b>	Male / Female Female
<b>Date of Birth</b>	4 march 2003
<b>Age</b>	20
<b>Blood Group</b>	A+
<b>Height</b>	156 cm
<b>Weight</b>	39 kg
<b>Game Selected</b>	kabaddi


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.

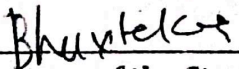
I, the undersigned declare that, I shall practice the selected events as per the instructions given by the College Director of Physical Education and abide by the rules made thereof. Further, I certify that, I shall not change or switch over to any other event in the mid of the session and appear the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

  
Director

Date: 16/5/22

Place: .....

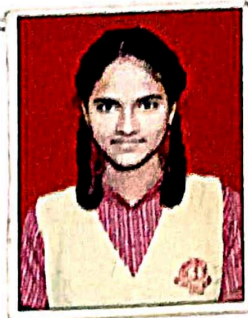
  
Principal  
Amruteshwar Arts, Commerce & Scienc.  
College, Vinzar, Tal. Velha. Dist. Pune.

  
Signature of the Student

# Application Form

## Physical Education Scheme

project - 2021-22



<b>Name of Student</b>	Neha Bajirav Dobige		
<b>Address for Correspondence</b>			
<b>Class</b>	f.y. B-com	<b>Roll No.:</b>	11416

<b>Section / Faculty</b>			
<b>Sex</b>	<del>Male</del> / Female		
<b>Date of Birth</b>	5-7-2003		
<b>Age</b>	19		
<b>Blood Group</b>	-		
<b>Height</b>	5.00		
<b>Weight</b>	40		
<b>Game Selected</b>	Kabaddi		

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.

Principal

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

Signature of the Student

Date : 10 / 5 / 22

Place : .....



# Application Form

## Physical Education Scheme

project - 2021-22



Name of Student	Dhebe Prasad kondi ba		
Address for Correspondence	A7 Post. velhe Tal. Velhe Dist Pune 412212		
Class	F.Y.B.com	Roll No.:	11312

Section / Faculty			
Sex	Male / <del>Female</del> <b>MALE</b>		
Date of Birth	1 Aug 2003		
Age	19		
Blood Group	O+		
Height	172 cm		
Weight	60 kg		
Game Selected	kabaddi		

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

Date: 10/5/22

Place: .....

Principal

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

Signature of the Student



**A Project Report  
Entitled**

**“Review and New Frontiers in Exoplanets : Worlds Beyond 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

## CERTIFICATE

This is certified that, the project report “**Review and New Frontiers in Exoplanets : Worlds Beyond 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

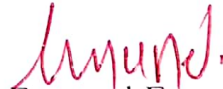
**Mr. Prakash Chikte**  
Project Guide  
Amruteshwar College, Vinzar



Signature of Student :



Internal Examiner :



External Examiner :



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



**A Project Report  
Entitled**

**“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,  
Vinzar, 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

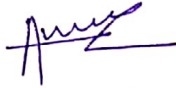
## CERTIFICATE

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.

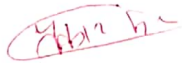
### Under the Guidance of

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

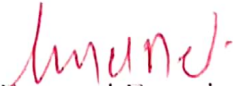
**Mr. Prakash Chikte**  
Project Guide  
Amruteshwar College, Vinzar



Signature of Student :



Internal Examiner :



External Examiner :



**Principal**

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





**A Project Report**  
Entitled

**“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



## CERTIFICATE

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.

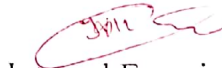
### Under the Guidance of

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

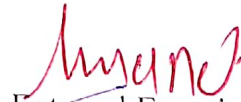
**Mr. Prakash Chikte**  
Project Guide  
Amruteshwar College, Vinzar



Signature of Student :



Internal Examiner :



External Examiner :



**Principal**

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



**A Project Report**

**Entitled**

**“Review and New Frontiers in Exoplanets : Worlds Beyond 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**

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**Vinzar, Pune, 412213.**

**Mr. Prakash Chikte**

**Project Guide**

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## CERTIFICATE

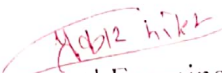
This is certified that, the project report “**Review and New Frontiers in Exoplanets : Worlds Beyond Our Solar System-Part II**” is the bonafide work of “**Mr. Mayur Gaikwad**” of T.Y.B.Sc Physics during the academic year 2021-2022 (Semester VI), who carried out the project work under my supervisions.


### Under the Guidance of

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

  
Signature of Student :

  
Internal Examiner :

  
External Examiner :

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



**A Project Report  
Entitled**

**"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

By

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Department of Physics  
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Vinzar, Pune 412213



## CERTIFICATE

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 VI, who carried out the project work under my supervisions.

### Under the Guidance of

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Signature of Student :

Internal Examiner :

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**Principal**  
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**A Project Report  
Entitled**

**“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**

By  
**Mr. Pratk Rohidas Dighe**  
Department of Physics  
Amruteshwar Arts, Commerce & Science College,  
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**Sem VI  
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**Mr. Sujit Mane**  
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**Mr. Prakash Chikte**  
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Vinzar, Pune 412213

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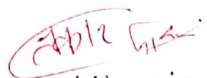
This is certified that, the project report "The Review and New Frontiers in Dark Energy-Part II" is the bonafide work of "Mr. Pratik Dighe" of T.Y.B.Sc Physics during the academic year 2021-2022 (Semester VI), who carried out the project work under my supervisions.

### Under the Guidance of

**Mr. Sujitkumar Mane**  
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Amruteshwar College, Vinzar


**Mr. Prakash Chikte**  
Project Guide  
Amruteshwar College, Vinzar

  
Signature of Student :

  
Internal Examiner :

  
External Examiner :



  
**Principal**  
Amruteshwar Arts, Commerce & Scienc.  
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**

**By**

**Ms . Swami Pooja Vithal**

**Department of History**

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

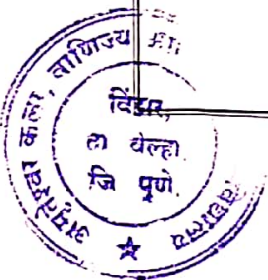
**Sem VI**

Under the Guidance of

**Dr. Balasaheb Kendale**

**Project Guide**

**Amruteshwar College,  
Vinzar, Pune 412213**



**Principal**

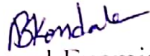
**Amruteshwar Arts, Commerce & Science  
College, Vinzar, Tal. Velha, Dist. Pune.**

## CERTIFICATE

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, Tal. Velha, Dist. Pune



**A Project Report  
Entitled**

**"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**

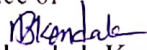
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**Department of History**

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

**Sem VI**

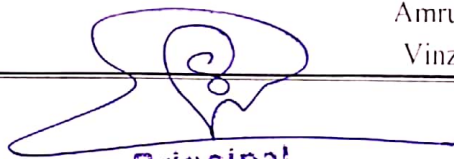
Under the Guidance of

  
**Dr. Balasaheb Kendale**

**Project Guide**

**Amruteshwar College,  
Vinzar, Pune 412213**




  
**Principal**  
**Amruteshwar Arts, Commerce & Science  
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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

  
Internal Examiner :

  
External Examiner :



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

**A Project Report  
Entitled**

**"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, 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. Shoba Sandip Shedge**

**Department of History**

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

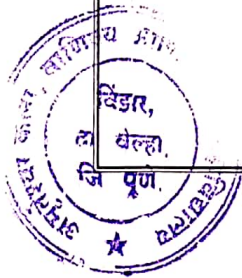
**Sem VI**

Under the Guidance of

**Dr. Balasaheb Kendale**

**Project Guide**

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Vinzar, Pune 412213**





**Principal**

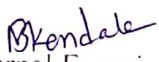
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College, Vinzar, Tal. Velha, Dist. Pune.**


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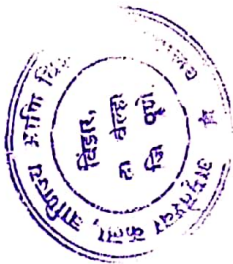
This is certified that, the project report "A Report of Visit to Historical Places of Velhe Tehsil" is the bonafide work of "Ms. Shoba Sandip Shedge" of T.Y.B.A. History during the academic year 2021-2022 (Semester VI), who carried out the project work under my supervisions.

Under the Guidance of

Prof. Dr. Balasaheb Kendale

  
Internal Examiner :

  
External Examiner :



  
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**A Project Report  
Entitled**

**"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 411 041.**

**For the Degree of Batchelor Of Arts  
In  
History  
For the paper Applied History (DSE-1D-36171)  
Under the Faculty of Mental Moral Science**

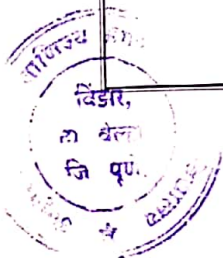
By  
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Department of History  
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**Sem VI**

Under the Guidance of

*BKendale*  
**Dr. Balasaheb Kendale**

**Project Guide  
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Vinzar, Pune 412213**



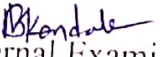
*[Signature]*  
**Principal  
Amruteshwar Arts, Commerce & Science  
College, Vinzar, Tal. Velha, Dist. Pune**

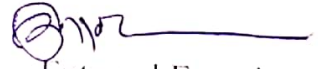
## CERTIFICATE

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

  
Internal Examiner :

  
External Examiner :



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