A.T.V.V.Mandal's,

B.D.Kale Mahavidyalaya ,Ghodegaon

Tal-Ambegaon ,Dist-Pune

Faculty of Science

Annual Report 2025-26

Prof .Archana Autade (Co-ordinator Science Faculty)

1) 6th Wild Vegetable and Fruit Exhibition –

In monsoon,nature is offering many leafy annuals which is the part of our culture ,tradition and festivals. In Hindu culture ,Shravan month is celebrated as a holy month with many festivals in which usually non vegetarian food is prohibited. In this month , during this season digestive power is comparatively weak, therefore, we must know the vegetables and fruits available in our vicinity.

B. D. Kale Mahavidyalaya, Department of Botany organised 6th wild vegetables and fruit exhibition on 30 August, 2025 to create awareness about wild unconventional vegetables . Many of them have medicinal importance and especially available during monsoon season. Students of B. Sc and B.C.A and B A and Bcom and also nursing students of vocational training centre Ghodegaon got the information about importance of wild vegetables. Exhibition location is Janata Vidya mandir highschool ground,Ghodegaon.Total students participated in exhibition were 250 and total number of wild vegetables and fruits in exhibition were 42 vegetables .Prof.Autade Archana Ramdas (Head,Dept of Botany & Co-ordinator of Science faculty) took the initiative to organise the exhibition.

2) F.Y.B.SC WELCOME PROGRAMM- 8/8/2025

On 8th august 2026 fresher party was organised by S.Y.BSC& T.Y.B.Sc Students For F.Y.B.SC Students.

3) ZOOTOPIA –21/02/2026

On 21st Feb 2026 for Students of Science & Other Faculty Zootopia programm is organised by department of zoology.

4) Induction Programm-05/08/2025

On 5th August 2025 the Induction programm for F.Y.B.Sc students was organised by science department.in this programm college imformation,library imformation, about science faculty& NEP Programm & scholarship facilities imformation was given to students of first year.

5) Red –cross programm-29-09-2025

6) EDUCATIONAL TOUR 25-26 -27&28th Jan 2026

EDUCATIONAL VISIT TO PHANSAD WILDLIFE SANCTUARY AND DIVEAGAR FISH MARKET

The Department of Zoology of B. D. Kale Mahavidyalaya organized a two-day educational field visit on 27" and 28th January 2026 for B.Sc. students. The tour was organized under the guidance of Prof. Ravindra S. Wale. Head of the Zoology Department. A total of 34 students, 3 teaching staff. and 1 non-teaching staff participated in the visit. The visit destinations included Phansad Wildlife Sanctuary and the fish market at Diveagar (Raigad District).

On the first day, students visited Phansad Wildlife Sanctuary where they observed a variety of flora and fauna in their natural habitat. Through nature trails and field study students learned about forest ecosystems, biodiversity food chains, and wildlife conservation. The visit helped them understand the importance of protecting wildlife and maintaining ecological balance.

On the second day, the group visited the Diveagar fish market to study different types of marine and freshwater fishes. Students learned about fish identification. classification, preservation techniques, and fish marketing methods. They also interacted with local fishermen to gain knowledge about fishing practices and fishery management.

Overall, the tour was highly informative and educational. It provided practical exposure and enhanced students knowledge, observation skills. and understanding of zoological concepts. The field visit was successfully conducted and proved to be a valuable learning experience for all participants.

7) AVISHKAR -Invention Competition - 2025-26 on 13 September 2025.

With the aim of instilling a culture of research among college students and encouraging students to present projects in an innovative and creative manner, B. D. Kale Mahavidyalaya and Savitribai Phule Pune University, Pune

(Internal Quality Assurance Cell) jointly organized 'Invention Competition 2025-26 ' in the college on 13 September 2025.

A total of 02 students participated in the said competition. Those students had prepared 01 posters. In this, the project on the topic of was presented.

The competition was judged by Prof. Dr. Karandikar V.S. and Prof. . Autade A. R was done. The Principal of the college, Prof. Dr. Dnyaneshwar Walhekar also guided the contestants and students.

The said competition was organized by Prof. Phalke R .D and the Department of Science. The introduction was done by Prof. Phalke R.D. The program was moderated by Prof. Autade A. R.

Abstract of students project Sustainable Farming: Irrigation System

Abstract: -

The present project is an attempt to use an advanced, autonomous irrigation system that integrates the internet of things and data driven decision making to optimise water and nutrient management. The system uses multiple sensors for real-time data collection of soil moisture, pH, soil fertility, humidity, temperature and also the obstacle detector which protect plants from wild animals. These system utilises multi-zone control and an automated fertigation system, providing precise nutrient delivery. These project offers a comprehensive, energy-efficient and scalable solution to reduce resource consumption and enhance crop health.

5) Use of ICT-

B.Sc Department made maximum use of ICT in teaching and learning process.

6) Principal- Teacher –Student Meeting -

Teachers - Students meetings are held time to time to guide and motivate the students. There are total 8 principal - teacher meeting & 2 student-teacher- principal meeting are held in year 2025-26.

7)National Science Day - 28 FEB 2026

National Science Day is celebrated all over India with great enthusiasm on 28th of February every year. In order to remember the great invention by the Indian physicist Chandrashekhar Venkata Raman of the Raman effect. On the same day, in year 1928 for this great success, he was awarded with the Nobel Prize in the Physics in year 1930. Every year ,Ambegaon Taluka Vidya Vikas Mandal's B. D. Kale Mahavidyalaya Ghodegaon and Department of Science celebrate science day. In this academic year, national science day was celebrated on 28th February 2026. On this occasion, different activities were conducted by Department of Science to motivate the students. Students made science posters regarding Raman effect.This poster is Inogurated by miss-jadhav sayali rajendra students of second year B.Sc.in presence of Principal,vice Principal & all teaching staff & students.

8) GMRT SCIENCE EXHIBITION PARTICIPATION 25-26

On the occasion of Science day on 28 th Feb 2026 students of F.Y.Bsc project No -01) Miss-Gunjal Komal Khandu & Miss-Gunjal Kajal Khandu & project No-02) miss Hatte sakshi & Miss –Vidhate Shruti From B.D.Kale Mahavidyalaya Ghodegaon Participates in online science Exhibition organized by GMRT Khodad.

The Tittle of her project is Multipurpose survival tool & Reuse of Plastic.

Prof .Archana Autade

Coordinator –Science Faculty