



Vidya Bharati Shaikshanik Mandal, Amravati's

# **Vidya Bharati Mahavidyalaya, Amravati**

**Affiliated to Sant Gadge Baba Amravati University, Amravati  
Maharashtra**

NAAC Re-accredited with Grade "A"(CGPA 3.26-Second Cycle)  
CPE Status (Third Time) by UGC,  
Mentor College under Paramarsh Scheme by UGC  
'Lead College' by S.G.B. Amravati University, Amravati  
ISO Certification: 9001:2015 and 14001:2015

Website: [vbmv.org](http://vbmv.org)

**Use of ICT enabled Techniques and  
Infrastructure**

## **Use of ICT enabled techniques by the faculty**

The college gives high importance to use of modern methods of teaching to impart quality education. In this regard, the college has put handful of efforts to establish the required infrastructure and related tools as well as arranged training sessions to develop the ICT skills of teachers. The infrastructure and tools have been established considering the requirement for changing pedagogical methodologies and to make the teaching-learning more students centric. The college has also organized training sessions of resourceful persons to enhance the ICT based skills of teachers so as to enable them to handle the ICT tools for effective teaching-learning process.

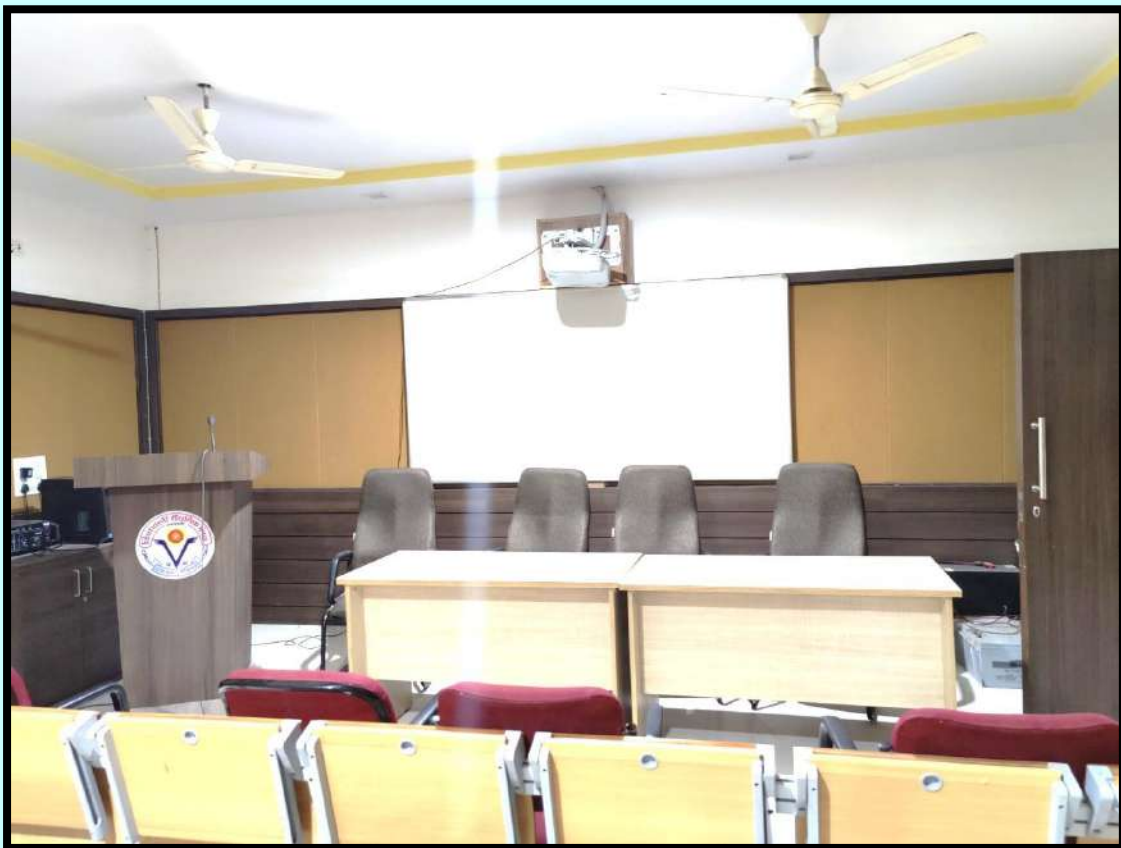
The institution has installed E-classrooms, A.V Theaters with ICT enabled facilities and LCD projectors in laboratories of different subjects to enhance the use of ICT while teaching-learning. The E-classrooms are well equipped with modern tools for ICT such as computers, internet, wi-fi connectivity, interactive projectors, softwares, etc. Similarly, A.V. theaters are also well equipped with ICT facilities like computers, internet, wi-fi connectivity, audio system, etc. In addition, considering the need, the college has introduced LCD projectors in laboratories of different subjects along with computers and softwares. Further, the college has established ‘Language Lab’ to improve the communication skills of students and teachers. This laboratory is well-equipped with computers, internet, wi-fi connectivity and specialized softwares.

Teachers also use online classroom like ‘Google Classroom’ as an effective tool for ICT based learning. This expands the usage of ICT for teaching-learning. Google Classroom enhances the connectivity between the learners and teachers – inside and outside of the college. It also helps to save time and paper, simplifies distribution of study material, assignments, unit tests, communicate and stay connected.

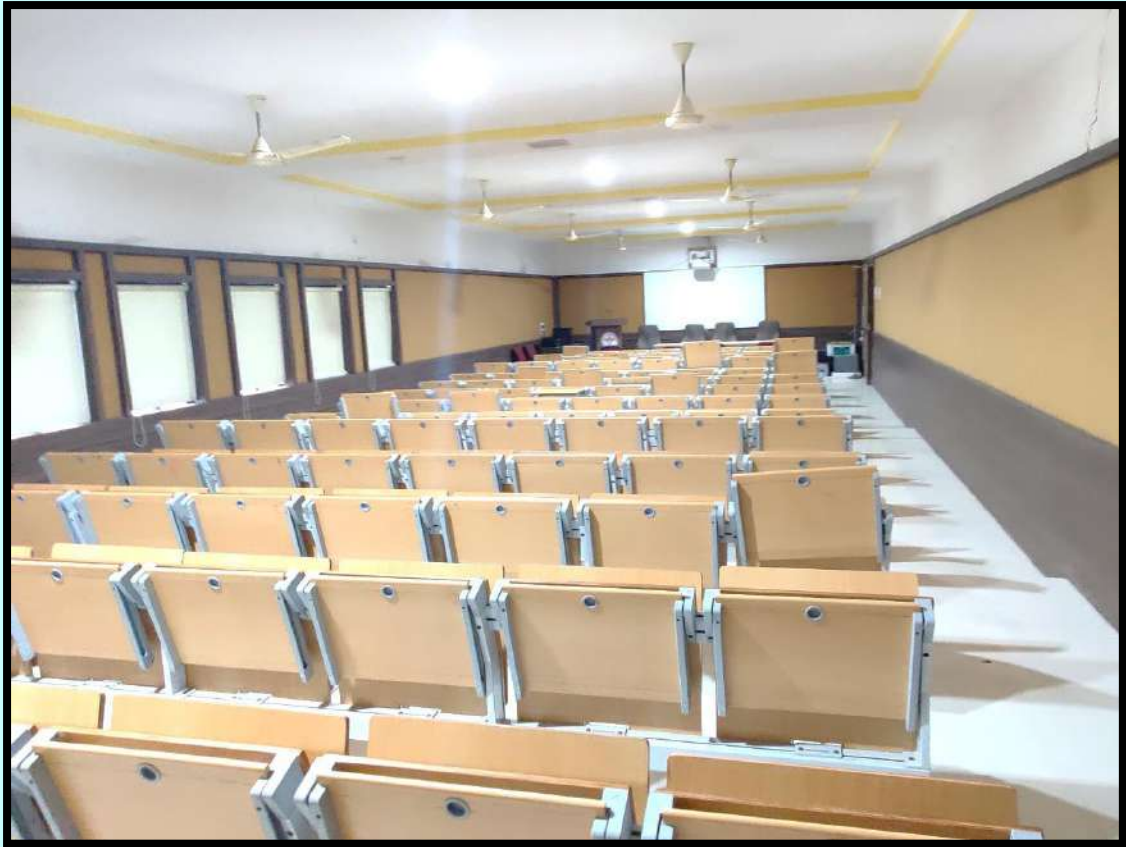
The teachers are familiarized to modern tools of ICT by organizing the training sessions. These training sessions are regularly organized to improve the ICT skills of teachers and students. These interactive training sessions help to understand the different dimensions of the modern tools for pedagogy and improve the usage of ICT tools as well.

## **Use of E-Classroom and ICT enabled infrastructure for better understanding of subjects of interests :**

The institution has installed E-classrooms, which are well equipped with modern tools for ICT such as computers, internet, wi-fi connectivity, interactive projectors, softwares, etc. These E-Classrooms are used regularly by the faculty members. In addition, these are also used to conduct interactive sessions of the subject experts to provide ICT enabled teaching-learning.



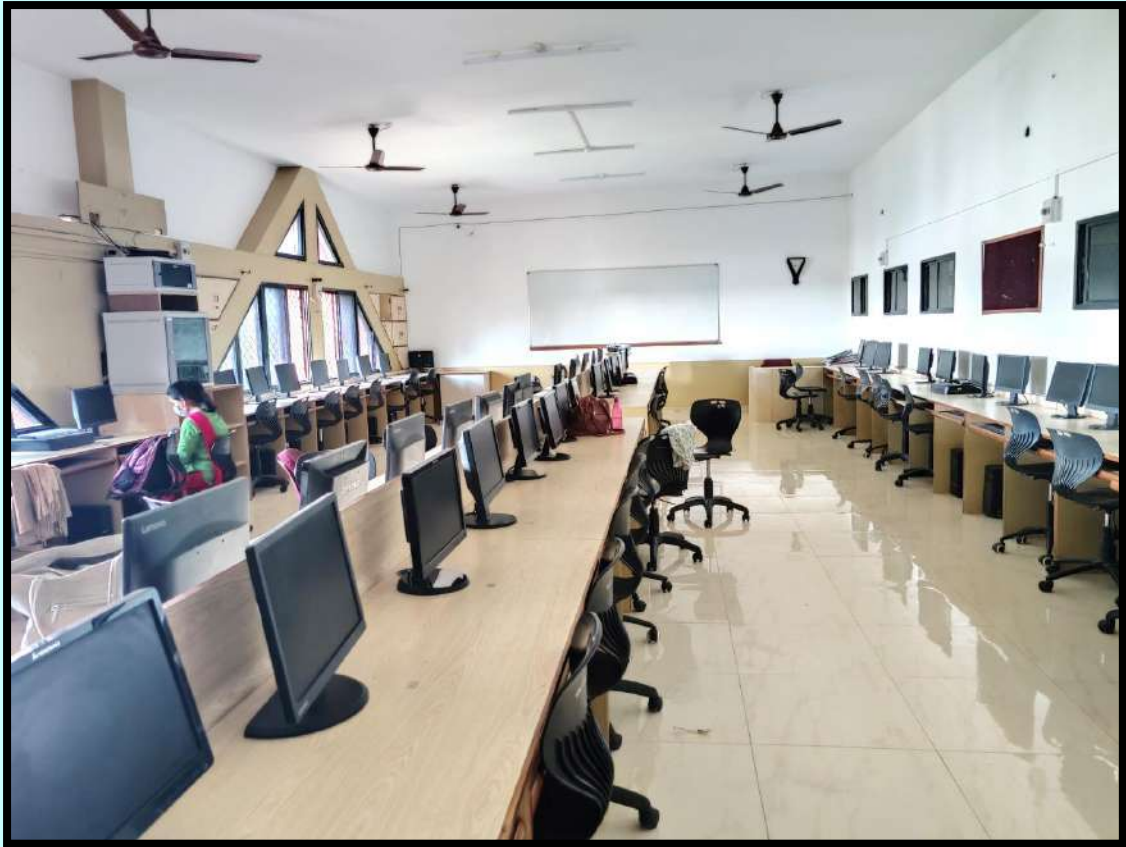
E-classroom with state-of-the-art ICT facilities



E-classroom with ICT facilities and bountiful infrastructure



Class room with ICT Facilities



Laboratory of Computer Science with high configured systems



Laboratory of Computer Science with updated ICT tools



Laboratory of Electronics with sophisticated infrastructure (Lab-1)



Laboratory of Electronics with advanced facilities (Lab-1)



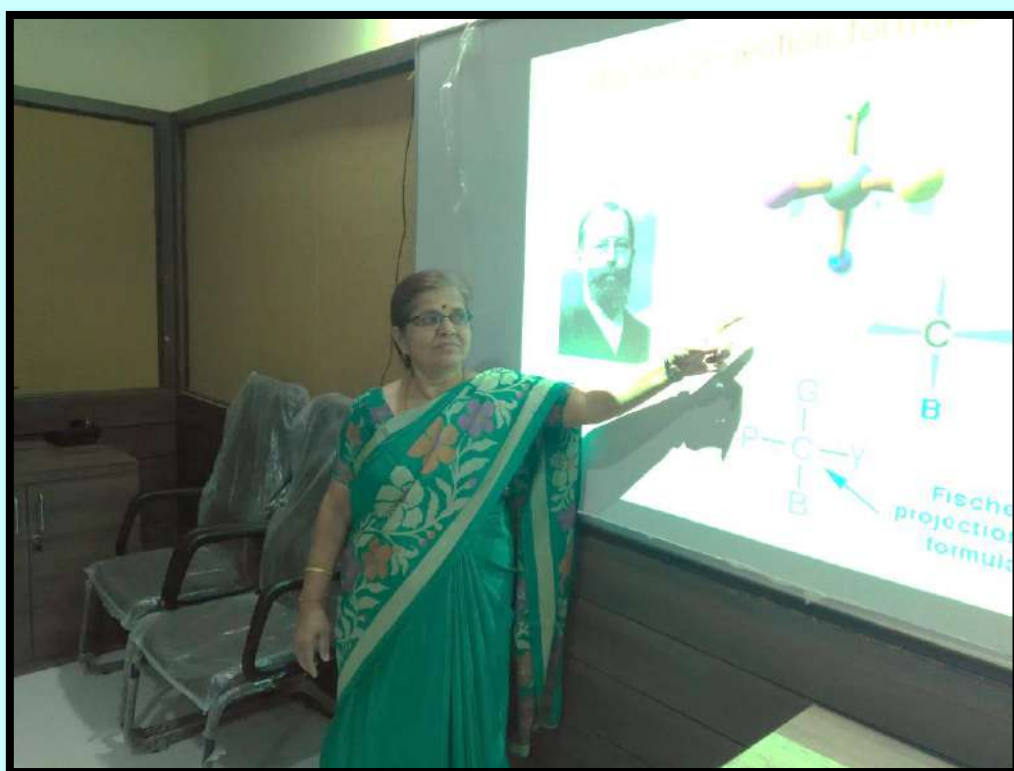
Prof. D.M. Kene, Department of Computer Science conducting session in E-classroom



Prof Hemant Bonde, Department of Management Studies delivering lecture in A.V. Theater



Mr. Bharti, iBase Solutions delivering lecture in A.V. theater



Dr. V. V. Parhate, Department of Chemistry delivering lecture in E-classroom





Dr. R. M. Patil, Department of English delivering lecture in A. V. theater



Dr. R. M. Patil, Department of English delivering lecture in E-classroom



Dr. M. M. Rathore, Department of Chemistry delivering lecture in E-classroom



ICT enabled lecture in laboratories



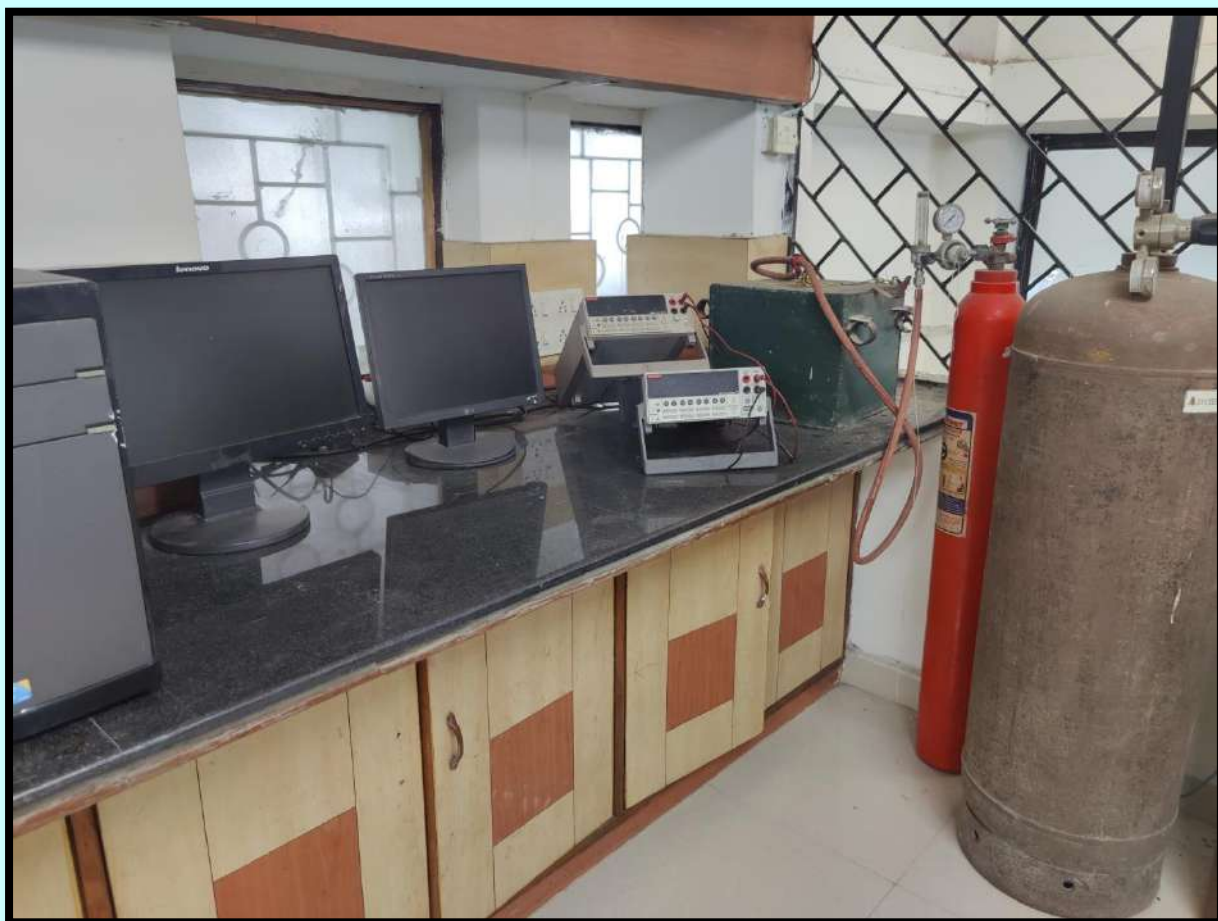
Lecture by Manager of iBase Solutions Pvt Ltd.in E-classroom



Dr. V H. Masand, Department of Chemistry delivering lecture in E-classroom

### **Laboratory Facilities with ICT enabled Teaching-learning:**

The College has well equipped laboratories with ICT enabled teaching-learning. The teachers demonstrate a variety of concepts using ICT enabled tools to make the subject more interesting. This aids a better understanding of the subject by the learners.



Low gas concentration measuring unit with microvoltmeter and picoammeter interfaced with computer enabled measurement  
(Department of Physics)



Digital vacuum furnace with technological facilities



IR Affinity instrument well interfaced with computer and printer



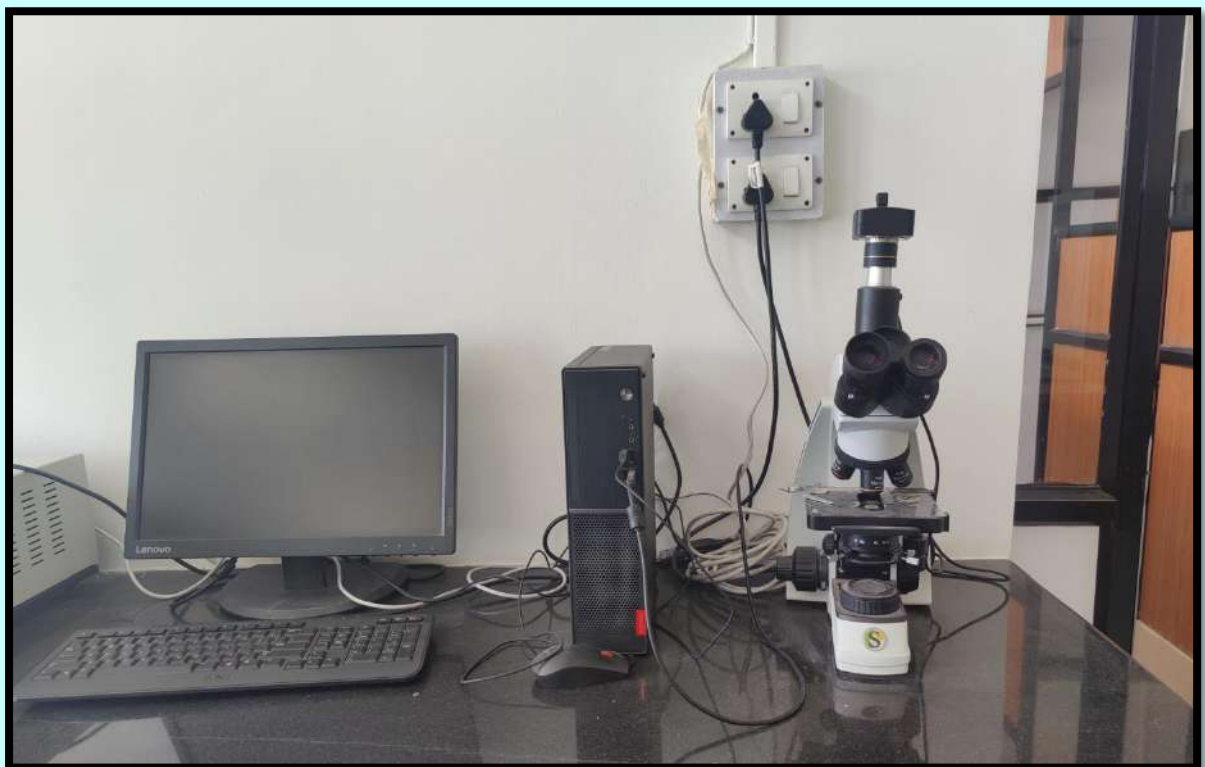
Digital UV Spectrometer interfaced with ICT facilities and printer in  
Department of Chemistry



Chemical Sample Analyzer (HPLC) interfaced with computer  
(Department of Chemistry)



Digital Distillation Unit with auxiliary units in Department of Chemistry



Trinocular microscope with computer interface in Department of Botany



Solar panels system to provide uninterrupted power supply for ICT tools and infrastructure



ICT enabled teaching-learning to foster students' knowledge and skills





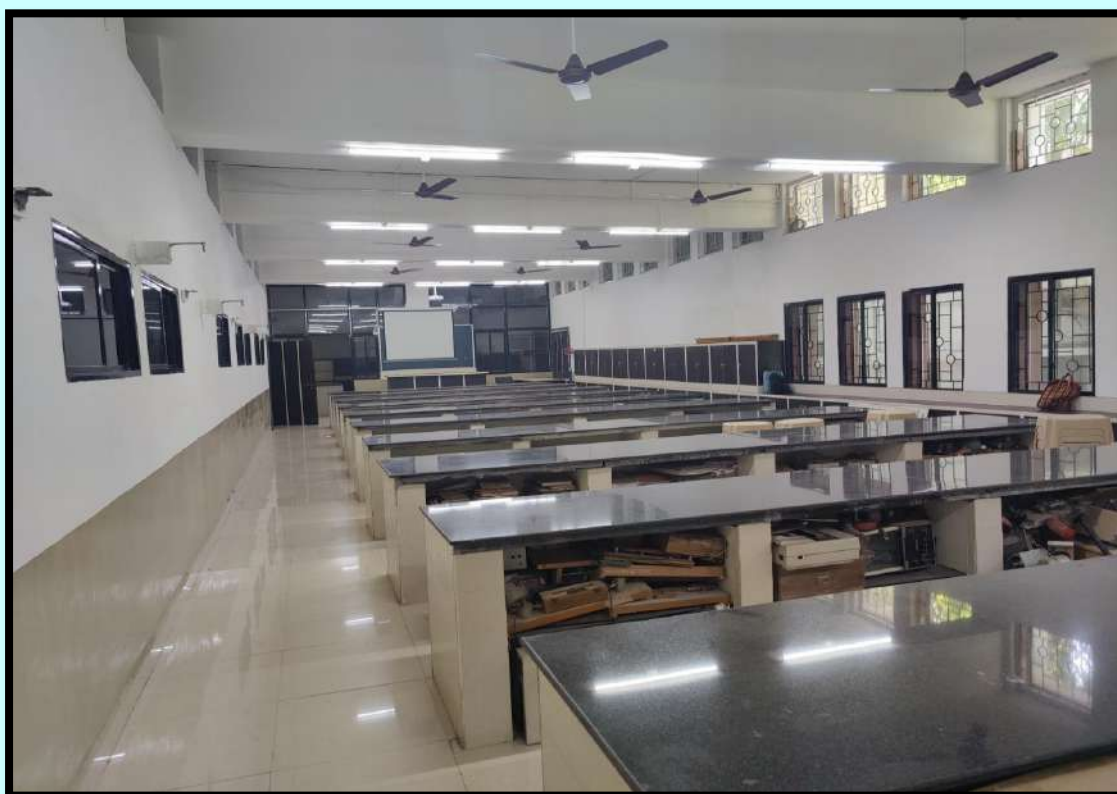
ICT skills enhancement through experiential learning



ICT enabled teaching in laboratories by Dr. Y D. Akhare, Department of Zoology



ICT enabled teaching in laboratories by Dr. N. D. Thorat, Department of Zoology



ICT enabled facilities in laboratory of Physics (Lab-1)



Laboratory of Chemistry with Micro-scale techniques



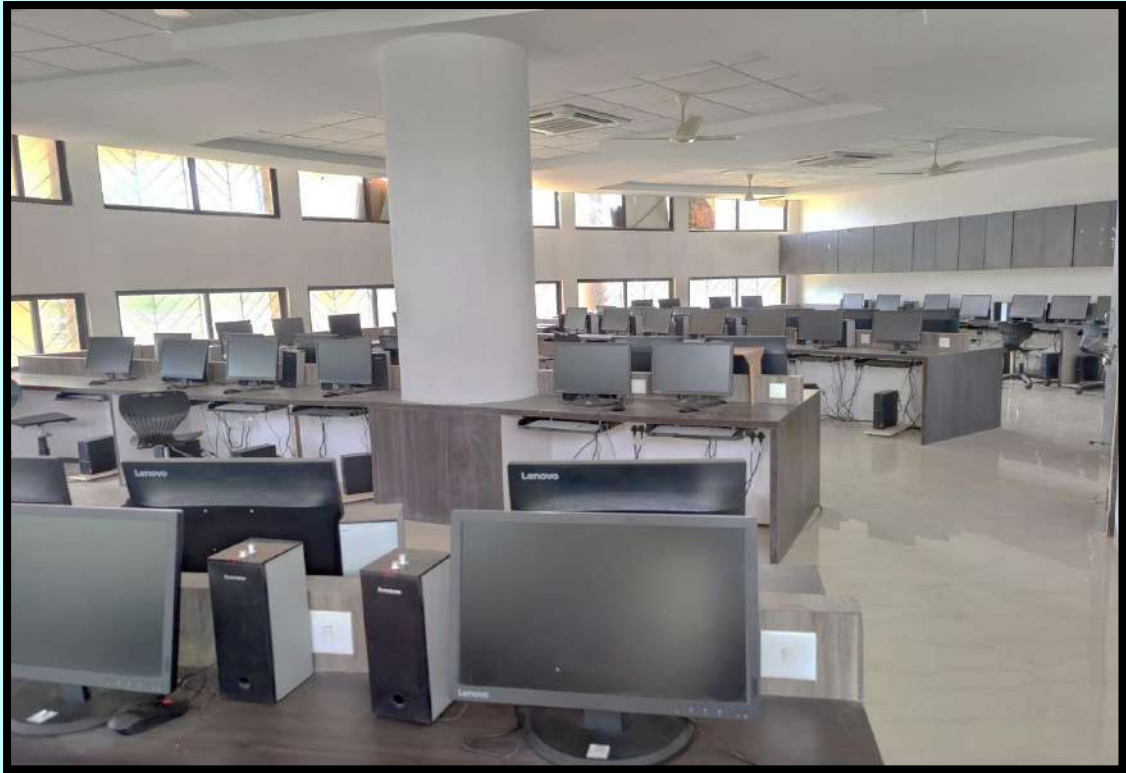
Laboratory of Botany with ICT facilities (Lab-1)



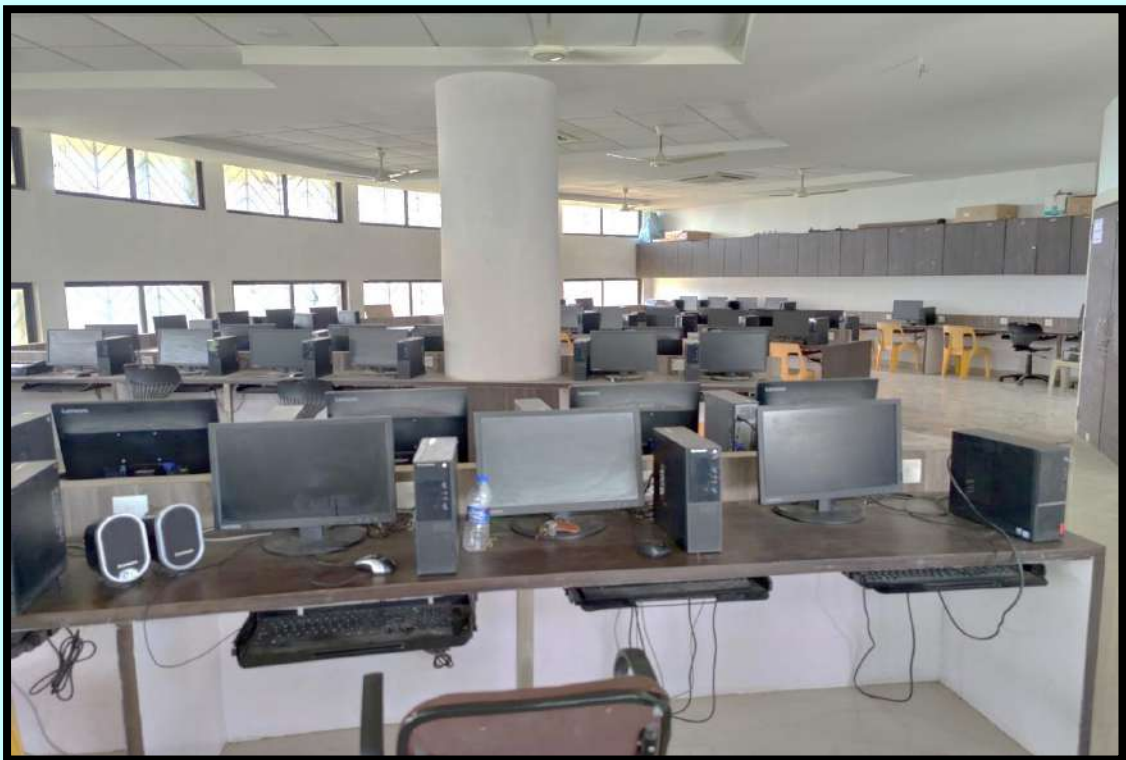
Laboratory of Zoology with ICT facilities (Lab-1)



Laboratory of Zoology with state-of-the-art infrastructure (Lab-2)



State-of-the-art ICT facilities in the laboratory of department of Computer Application (Lab-1)



Modern ICT facilities in the laboratory of department of Computer Application (Lab-2)



Contemporary ICT enabled facilities in the laboratory of department of Management Studies (Lab-3)

## **Language Lab to enhance communication skills:**

The institution gives prodigious importance to holistic development of learners. In this regard, communication skill is an important aspect to inculcate confidence and prepare the students to secure entrepreneur skills and to be ready for the world of job. The 'Language Lab' is highly instrumental to enhance the communication skills of learners. The lab is well equipped with computers, internet, wi-fi connectivity and specialized softwares.



**Language Lab with Digital Facilities**



ICT enabled teaching-learning in language lab

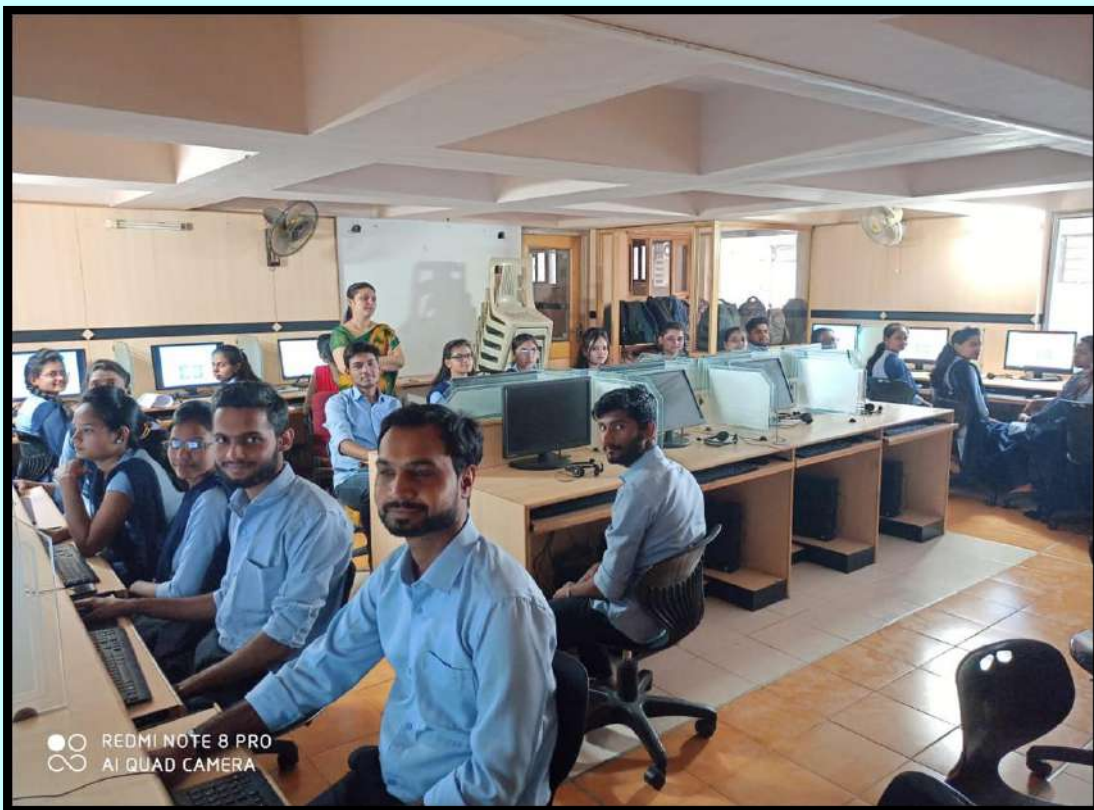


Enhancement of communication skills using ICT enabled Language lab





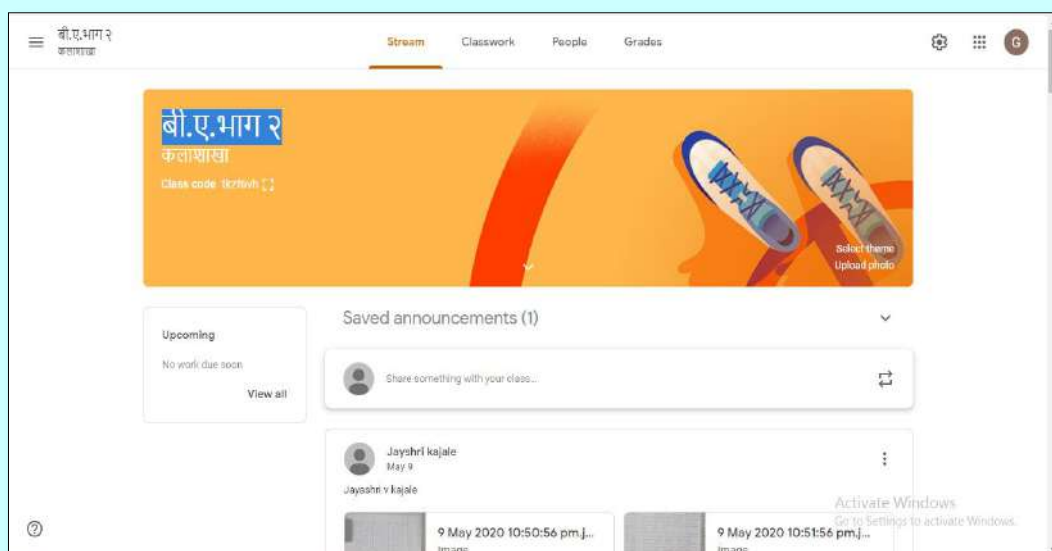
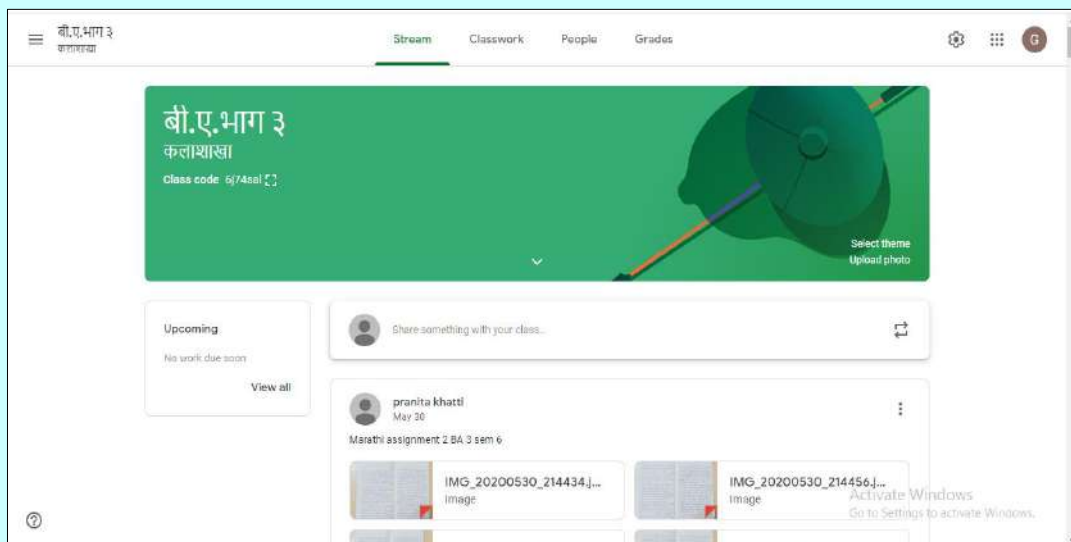
ICT enabled teaching-learning in language lab



Students developing communication skills using ICT enabled Language Lab

## Use of online classrooms (Google Classrooms) to expand the use of ICT enabled teaching-learning for learners:

Teachers also use online classroom like 'Google Classroom' as an effective tools for ICT based learning. This expands the usage of ICT for teaching-learning. Google Classroom enhances the connectivity between the learners and teachers – inside and outside of college. It also helps to save time and paper, simplifies distribution of study material, assignments, unit tests, communicate and stay connected.

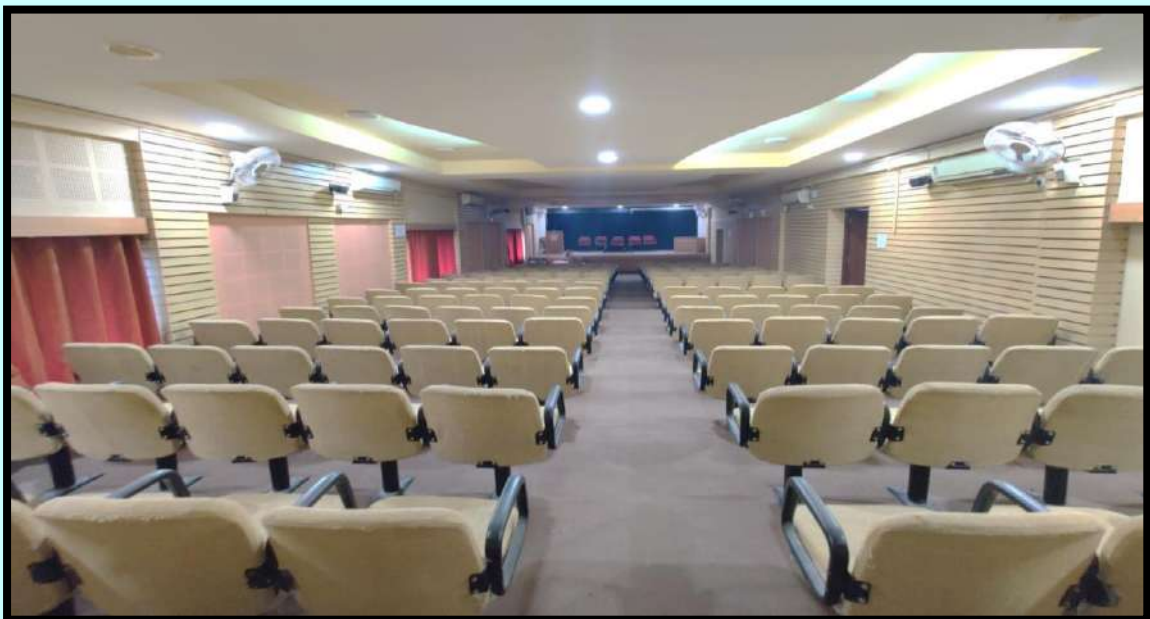


## **A.V. Theatres:**

The college has established spacious A.V. theatres. These are well equipped with ICT facilities like computers, internet, wi-fi connectivity, audio system, etc. to enable ICT based teaching-learning. These theatres are used to carry out the sessions and talks of eminent persons as well various student centric activities.



A.V. Theater with high-tech ICT facilities



A.V. Theater with sophisticated infrastructure and ICT Facilities



A.V. theater (MBA building) with contemporary ICT facilities



A.V. theater (MBA building) with munificent infrastructure and facilities





Latitude: 20.935426  
Longitude: 77.774597  
Accuracy: 23.5m  
Time: 22-08-2019 11:40  
Note: Sss b: tech and m. tec

Powered by NoteCam

## Library as a knowledge center:



Library reading hall with plenteous infrastructure and resources (Main Bulding)



Stack room of Library with ample number of books, monographs and CDs, and digital resources (Main Building)

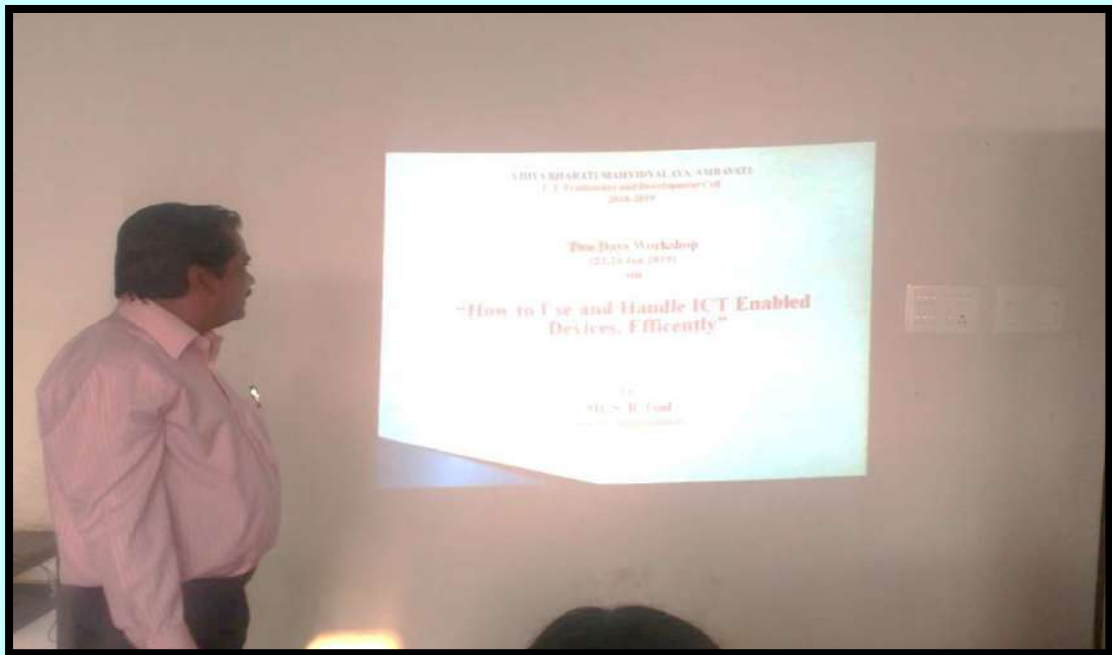


ICT enabled library with essential facilities and infrastructure



## **Workshop on “How to Use and Handle ICT enabled Devices, Efficiently”**

This workshop provided an introduction of the basic knowledge of ICT enabled devices. The main objective of this workshop was to bridge the gap between technology staff members while using ICT enabled devices.



**Prof. S.R. Isad interacting during workshop**

## **Workshop on “Effective Power Point Presentation”**

This workshop provided an introduction to the basic concepts of Microsoft Power Point and Presentation. On completion of this workshop, the students were able to create and present the presentation effectively including editing and formatting.



Mrs. A. V. Rathi, Prof. A. D. Nichale, Prof. A. R. Raut conducting the sessions

## **Workshop on “Internet: Scope, Use and Advantages”**

This workshop provided an introduction and use of Internet. In this workshop, student learned to create their mail account. This workshop provided information of the useful sites for students for their study and research work. This workshop was designed for the P. G. students of college campus who wish to learn applications of internet.



Prof. A. M. Dwivedi & Prof. S. B. Bele conducting session during workshop on  
“Internet: Scope, Use and Advantages”

## **Workshop on “Use of MS-Office”**

This workshop was especially for Students. In this workshop, student learned about MS-Office. This workshop helped students to create word documents, save and reopen previously created documents. This workshop helped students to create excel sheet and power point presentation. On completion of this workshop, the students were able to use MS-Office. The students were able to create word file, save, edit and reopen it. By attending this workshop students were able to most of the MS-Office tools efficiently.



**Prof. A. M. Dwivedi & Prof. S. B. Bele conducting the session during workshop on “Use of MS-Office”**

## **Workshop on “Web Designing”**

To aware teacher for internet and web designing, this workshop was conducted. Teachers gained knowledge of static and dynamic web site. After completing the workshop, the teaching staff acquired good knowledge of internet with web, web pages and web sites. In addition, they learned to create web pages and insert images, audio, videos using various web programming languages.



**Prof. D. M. Kene interacting with teachers during the workshop on “Web Designing”**

## **Workshop on “Fundamentals of Computer”**

To aware the undergraduate learners about fundamental knowledge of computer, this workshop was organized by the college. After completing the workshop, the students secured knowledge about basics parts of computer, awareness of software and hardware. The students understand the importance of computer in their academic as well as daily routine.



**Prof. D. M. Kene and his team teaching to students during workshop on “Fundamentals of Computer”**

## **One week short term course in ‘Innovative Methods and use of ICT enabled Pedagogical Tools in Teaching-Learning Process’**

The Department of Commerce and Human Resource Development Centre (HRDC) of college organized a one week short term course in ‘Innovative Methods and use of ICT enabled Pedagogical Tools in Teaching-Learning Process’ from 26/11/2018 to 01/12/2018. The faculty members took active participation. The activity was aimed to enhance the proficiency of faculty members to use modern ICT tools for teaching-learning.



A one week short term course in ‘Innovative Methods and use of ICT enabled Pedagogical Tools in Teaching-Learning Process’ from 26/11/2018 to 01/12/2018



Faculty members enhancing their ICT skills during short term course in ‘Innovative Methods and use of ICT enabled Pedagogical Tools in Teaching-Learning Process’ from 26/11/2018 to 01/12/2018

## **One Day workshop on “Google Classroom”**

One Day Workshop on Google Classroom was jointly organized by Remedial Coaching Committee & Dept. of Computer Science & Physics, Vidya Bharati Mahavidyalaya, Amravati on 16<sup>th</sup> Feb.2019. The faculty members took active participation. The activity was aimed to enhance the proficiency of faculty members to use Google Classroom for teaching-learning. Dr. Swati S. Sherekar, Department of Computer Science, Sant Gadge Baba Amravati University, Amravati was the resource person.



Dr. Swati S. Sherekar, Department of Computer Science, Sant Gadge Baba Amravati University, Amravati enhancing ICT skills during one day workshop on “Google Classroom”