

ICT enabled classrooms

The twenty first century is the age of Information and Communication Technology. ICT spreads its network in every sector of modern life. The havoc exposure of digital movement results in a positive impact in Indian Education System. Gokhale Memorial Girls' College has adopted various measures to raise the level of digital consciousness and competency of the students to acclimatize them to the contemporary digital environment. With this objective in view, the college has established the ICT based teaching-learning system. ICT enabled classroom, seminar hall and lab make the mission of college authority successful. The ICT infrastructure of the college also helped to maintain the entire education system fully operative during the pandemic caused by Covid-19.

The so-called conventional methodology of teaching, 'Chalk-Duster-Lecture Technique' has certain limitations such as board management, neat diagrams, and handwriting skills. In the modern context, contemporary settings are favoring curricula that promote competency and performance. Curricula are developed to emphasize capabilities and concerns towards the application of the information. ICTs can provide strong support for all these requirements and there are now many outstanding examples of world-class settings for competency and performance-based curricula that make sound use of these technologies. The integration of ICT can help revitalize teachers and students. The usage of ICT is to complement the classical teaching techniques, particularly in difficult subject areas. To achieve these objectives, teachers need to be involved in the preparation of online teaching resources, multimedia presentation and developing online video lectures. Special initiative was taken in 2016-17 session for promoting ICT-enabled learning and became a "Local Chapter" of SWAYAM-NPTEL Online Certification Courses, an MHRD initiative. The College is continuing with the SWAYAM-NPTEL Courses till date.

The Central Library of our college has ICT-enabled library catalogue software and is fully automated with 5-User Web Centric LSEASE (EJB) LMS. Users can access e-resources through the internet. Library circulation system is also automated. The bar coding for both books and user card is an ongoing process. The college office has a computerized data management system for both administrative and academic matters. Laboratory based departments are well equipped with their own computers and internet facilities. Internet facility is also available in the college office and in the library. ICT enables students to enjoy enquiry based innovative learning techniques.

Our college also organized a three day online workshop-training programme at national level in collaboration with the "Malda College" for the professional development of faculty and administrative staff titled, "Developing Skills through ICT Tools and Techniques" from 2/7/2020 to 4/7/2020.

The ICT enabled tools using by the Faculties for effective teaching-learning process are described below:

Softwares used by faculty in different disciplines are -

- DEV C++ in Mathematics
- Python and GNUPlot in Physics
- Quantum -GIS in Geography
- Chemdraw and FORCE 2.0 in Chemistry
- Stata and Excel in Economics
- Pneumolysis in Psychology

Teaching and study material is obtained from e-resources accessed remotely using NList of INFLIBNET and Central Library OPAC system and through web access.

Devices such as Laptops, Pentabs and Mobile devices used for conducting online classes.

Digital platforms such as Microsoft tools, Zoom, Skype, Google Meet, Google Hangout, Google Duo and Google Class Room, Edumode etc. to conduct online classes.

Digital tools, such as Xodo Pdf writer, Microsoft Edge, Adobe, Foxit Pdf Reader etc.) to check answer scripts submitted online.

Digital Platforms such as Google Meet, Webex and Zoom etc. to conduct Webinars and special lectures.

Learning e-material and academic content is provided through online messaging Apps like E-mail and WhatsApp and in Google classrooms.

Video lectures are provided through Zoom and OBS studio.

Microsoft Voice Recorders are used for recording lectures and these Audio lectures are provided through Whatsapp links and emails.

Number of classrooms and seminar halls with ICT facilities : 20

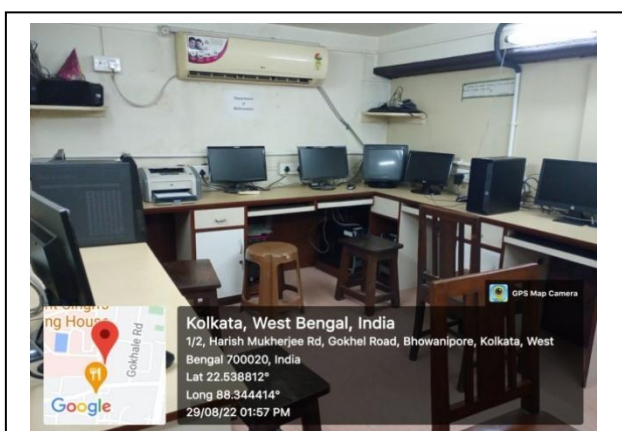
Internet Connectivity including Wi-Fi facilities :

Until 2020, the internet connectivity speed was less than 250 MBPS. During lockdown the college has bolstered its internet speed. In the year 2022, the college has bought services from Alliance Broadband Services Pvt. Ltd for high-speed internet connection. Several Wi-Fi routers have been installed in both the buildings to set-up and distribute the connectivity throughout all the departments.

Total Number of Computers with Internet Facility : 57

YouTube Channel– Gokhale Memorial Girls' College has its own YouTube Channel. Various college programmes and seminars/webinars are uploaded in the Channel for better access among students and interested audience.

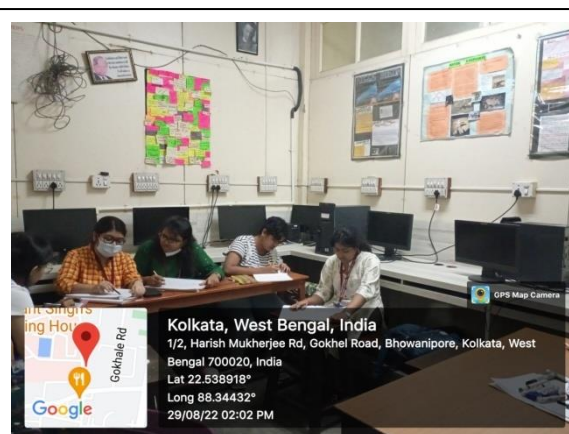
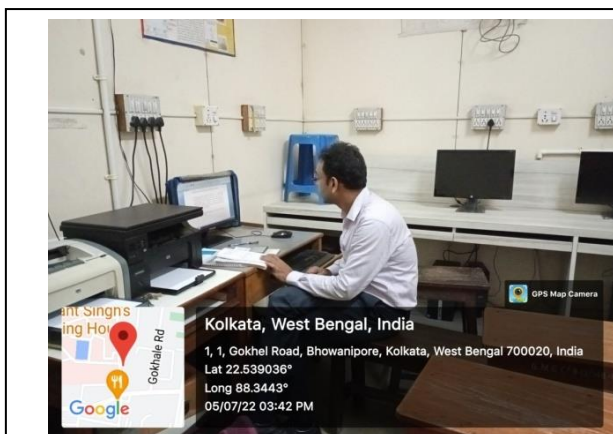
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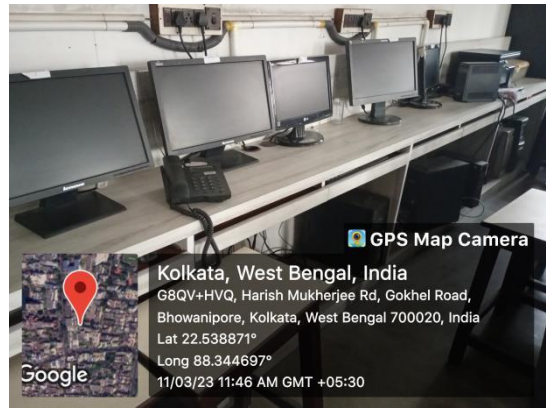
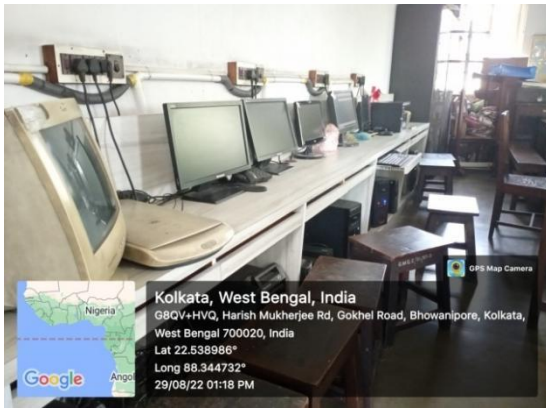
Mathematics Computer Lab



Computers in Chemistry Lab



Physics Departmental Computer Lab



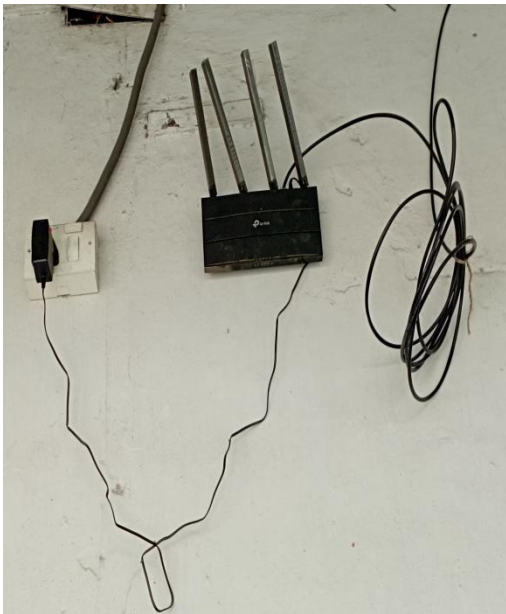
Geography Departmental Computer Lab



ICT Tools inside Theory Classrooms



Picture of a Smart TV and control panel



Picture of Router



Wi-Fi Control Panel



Fixed Projector and Smart Board
in Virtual Classroom (LT-4)



Students Seminar using projector and
ICT Tools in Physics Department



Ongoing class using Smart Panel in New Room