



OFFICE OF THE PRINCIPAL
MAHATMA GANDHI COLLEGE

(Affiliated to University of Kerala)(Re-Accrediated with B+ Grade by NAAC,
UGC-College with Potential for Excellence)

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MAHATMA GANDHI COLLEGE, KESAVADASAPURAM

**Enabling Information and Communication Technology (ICT) Mechanism for
effective Teaching-cum-Learning Process**

Information and Communication Technology (ICT) is an assemblage of integrated technological means to deliver the automation and communication of scientific research teaching and learning through hardware, software and so on. During covid-19 pandemic, quite a lot of technological solutions were developed by different agencies exclusively dedicated for teaching, but not all of them are appropriate for the pragmatic sense and could not draw the attention under the umbrella of Institution. Handpicking of a set of e-tools for effective learning is highly bewildering. The institute, much like the rest of the institutes faced the challenging time which are quite new to the faculties as well as students. In this backdrop, the college in *en bloc* step up with devoted professionalism to choose the best. The following intensive measures were taken in this regard:

- Entire faculties of the institution gave prominence to fetch the ICT tools and various e-resources as a medium of smart learning.
- A couple of conference calls were made well equipped with ICT infrastructure to meet the prerequisite of the hour.
- One or two classrooms in all 13 departments were adapted into smart rooms where LCD projectors, video conferencing facility, public address system, computers, laptop, Wi-Fi were made available.
- The whole campus brought into the coverage of Wi-Fi during this pandemic period.
- Enormous volume of e-content in different subjects was developed by faculties to enrich the ICT mode of education.
- All faculties conducted online theory classes via ICT in the pandemic state.

- The institution has conducted international and national conferences through social media platform Google Meet.
- Students received notifications on their phone when assignments and announcements were posted.

To achieve the smart learning in a precise and quicker time, a set of valuable tools are essential and they are:

- Learning management system, for instance, Modular Object-Oriented Dynamic Learning Environment (MOODLE) and Google classroom (arguments the productivity and permits easy tracking of assignments).
- INFLIBNET, NPTEL and e-PATHSALA were engaged for various e-studies.
- Coursera, Swayam and NPTEL online courses facilitated students to appreciate the topics in-depth.
- Video-conferencing platforms such as G-Suit and Zoom were used extensively for online teaching.
- Online tools such as Edmodo, Google Class room and Google Meet are used to gather assignments, conduct tests and examinations.
- Education videos and animations are delivered via YouTube and Internet.
- Good number of computer labs, smart rooms integrated with the smart boards, website for college embedded in the ICT program.
- WhatsApp groups and telegram were utilised effectively for tutorial system
- Students were encouraged to present Projects, seminars, presentations etc. using ICT tools.

As aforementioned, ICT tools were useful and extensively employed for online and smart learning



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