

Best Practice I

1. Title of the practice:

Information and Communication Technology (ICT) Based Teaching and Learning

2. Objectives of the practice:

ICT is an umbrella term that includes any communication **device** or application, encompassing: radio, television, cellular phones, computer and network hardware and software, satellite systems and so on, as well as the various services and applications associated with them, such as videoconferencing and distance learning. ICT, or information and communications technology (or technologies), is the infrastructure and components that enable modern computing. The present curricula for ICT in education aim at realizing the goals of the National Policy of ICT in Schools Education and the National Curriculum Framework. The college has a uniquely conceived mission to provide a unique socio-economic status to the graduate and post graduate students. The main objective of this practice is ensuring the students to learn prescribed curriculum with very effective way to get the knowledge. College has improved the ICT based facility in teaching and learning process stepwise in last five years. The goal of Information and communication technology is to fulfill the gap between traditional method and innovative method of teaching and learning.

3. The Context:

Jagat Arts, Commerce and Indiraben Hariharbhai Patel Science College, Goregaon is the first institution of higher learning in this Taluka of Gondia District (Maharashtra) since 1992. This Taluka is situated in rural area. Students of this area are not aware about the innovated teaching-learning process to acquire the knowledge. Those who are less fortunate and disadvantaged need guidance from different sources. The talented may need advice to take part at least in college level for new technologies. In order to ensure that students are well acknowledging with Information and Communication Technology for learning is well placed. Our College has to support them in the development of soft skills and communication skills. The Information and communication technology is the formal strategy created to meet the need.

4. The Practice:

Required tools for Information and Communication Technology based teaching-learning is made available with, computers, laptop, LCD projectors (7), internet (with 50-75 Mbps Speed) , Wi-Fi, webcam (12), G-Suit software etc. are provided in all technology base 08 classrooms. Power point presentations on different topics are prepared by faculty members of their respective subjects. They delivered the lectures through PPT's. Online teaching is being also continuously performing from Covid-19 pandemic period through webcam by using G-Suit. Many of the classes carried on

mobile set through Google meet, when work from home was allotted.

5. Evidences of Success:

The College has adequate IT facility including Wi-Fi for strengthening the teaching and learning process. The college is equipped with 77 computers, useful software with an antivirus protection. All the members of teaching faculty became up-dated in technology based teaching during the last five year. Recently in Covid-19 pandemic period they learned about online teaching. Teachers became capable to handle the software's and create the online class through G-Suit and Google meet. Prof. B.M. Roy has prepared YouTube channel as *Roy sir Classes* and *Roy Formulation*. Various university level practical and theory exams arranged by preparing the question papers on Google forms. Direct results were downloaded in the form of spreadsheet. The data of Google spreadsheet is used to upload on university examination section through cloud based ERP MasterSoft.

6. Problems and Resources:

Many of the times ICT based teaching classes fail to conduct due to lack of knowledge and unavailability of technical computer assistant. Faculty members were not updated about the handling of required ICT tools. Resources like power supply, software technologists, Wi-Fi, internet were disturbed the system of ICT base teaching and learning. Many of the students from rural area were not aware for open the link provided by respective teacher and join the online class. Mobile handset was not affordable for many of the parents to provide their wards in lockdown period.

7. Notes (Optional):

Stepwise involvement of students is observed. Involvement of girl's students extending as their strength is more in the college. Girl's students from rural area are very poor in updated knowledge of advanced technology.

8. Contact Details:

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Accredited Status: **College Accredited by 'B' Grade with CGPA:-2.31 in Third Cycle**

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Best Practice II

1. Title of the practice:

Construction of Better Research Environment

2. Objectives of the practice:

Research skills are a very important part of the writing process because they allow writers to find information and create an outline for their writing projects, whether it's inspired or academic writing. By increasing organized and effective research methods, you'll be able to become knowledgeable in any field that you need to write about that. Good research is all about finding answers to your research questions. Merely looking for confirmation is a very limiting research strategy, since it involves selection and choosing what information to collect and avoid you from developing the most accurate understanding of the topic. When you conduct research, make sure to keep an open mind so that you can learn as deeply as possible.

Faculty members are encouraged to take up publication of papers in research journals of national and international repute and presentation of papers in national as well as international level conferences. Encourage teachers also to take up research projects and publication of books. The first and foremost criterion for the development of best practice in research is to increase the scientific knowledge of most qualified faculty and also make new things for the benefits of society.

3. The Context:

Jagat Arts, Commerce and Indiraben Hariharbhai Patel Science College, Goregaon is the first institution of higher learning in this Taluka of Gondia District (Maharashtra) since 1992. This Taluka is situated in rural area. Major share of time of teachers in this college is devoted to teaching and remaining available time is given to the research in their routine activities. Unlike university teachers, college teachers generally take less interest for their achievement in their research activities. The brilliant teacher researcher alone can provide better guided tours to the most modern knowledge. Research potential of faculty members is sought to be extended as a research supervisor, to provide hand on training to students for conducting research work. To promote these aspects the institute has adopted many strategies which have resulted in concrete outcomes.

4. The Practice:

Our management, principal and IQAC of the college have inspired the teachers to do maximum research work and publish their work in the form of articles in different conferences, national and international journals. The practice comprises expeditious processing of research works. The faculty members of the college published research papers in variety of national and international research journals on which they carry out research work under their own research activities. They also conducted research work to get their Ph.D. and published the related works. The faculty members presented research papers in variety of national and international conference as

well as they published their papers in souvenir and proceedings of the concerned conference held at different places. Most of the faculty members published the books successfully by reputed publishers. Research scholars are also awarded by Ph.D. degree under the able guidance of faculty members as recognized supervisor.

For the same purpose, college has organized the national conference on dissimilar subjects concerned with the syllabus run in college and call the papers for presentation and publication in conference proceeding. Total 06 UGC funded national conferences are organized by Department of Chemistry, Botany, Commerce, Geography, Political Science and History in previous years. One self-funded workshop on “Intellectual Property Rights” is also organized by Internal Quality Assurance Cell (IQAC) of this college on 23rd March, 2019.

5. Evidence of Success:

The number of Ph.D. holders among staff has increased up to 22. Two scholars have been awarded by Ph.D. under the able guidance of Dr. V.I. Rane (Department of Botany) and Dr. C. T. Rahule (Department of Marathi).

Publications are from our college during last five years.

- 1) Total **208** numbers of research papers are published in journals of national and international repute during last five years.
- 2) Total **18** number of research papers presented in proceedings of national conferences, seminars and workshops.
- 3) Total **15** number of books are published by the faculty members.
- 4) Total **03** numbers of research articles are published in standard of **Web of Science**.
- 5) One of the senior teachers of our college **Dr. B. M. Roy** is awarded the “World Championship” 2019 and the “Great Researcher Award” by IRDP Journal. He was also awarded honorary Ph.D. and D.Sc. by International Agency for Standard Ratings. Google scholar citation of Dr. B.M. Roy is 124, **i-10 index 6**, and **h-index 8**. He published total **134** number of research articles as international level alone as mathematician from our college.

6. Problems and Resources:

This college is situated in a rural area. Student of a rural area does not have obligatory research ideas in their minds. Teachers take more time for their teaching in this college. This means that they devote themselves to teaching while less importance is given to the research in their routine activities. College is not capable to provide any kind of fund for doing research. The budgetary allocation is managed by other funding agencies like University Grant Commission for the projects. Adequate research equipment is also not available in laboratories of our college. College has undergraduate courses in Science, and Commerce streams. College has post graduation courses in Arts (M.A. in Marathi, Geography and History) Early-stage researchers find it challenging to understand the fine distinction of scientific publication. Manuscript formatting for journals has a specific format and word counts for different article types. Also known as author disclosure,

conflict of interest is when an individual is involved in certain activities or is with organizations, financially or otherwise, which might potentially affect the individual's professional decisions.

7. Notes (Optional):

This practice is very much needed to increase the publications of research articles and writing the Books. The involvement of faculty members is more in teaching-learning process than the research activities. The numbers of students coming from rural areas have very low performance and they need to be improved for research activities.

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