CRITERION II

TEACHING-LEARNING AND EVALUATION

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year
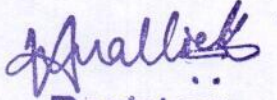
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❖ **List of ICT enabled tools including online resources for effective teaching and learning process during the year-**

    1. Interactive white board.
    2. Smart board
    3. Pen drive
    4. Projector
    5. Desktop & Laptops
    6. PPT presentations / E-contents
    7. Photocopier
    8. Case Studies
    9. DVDs and CDs

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2.3.2

Globally, educational systems are adopting new technologies to integrate ICT in the teaching and learning process, to prepare students with the knowledge and skills they need in their subject matter. In this way the teaching profession is evolving from teacher-centered to student-centered learning environments.

ICTs can enhance the quality of education in several ways: by increasing learner motivation and engagement, by facilitating the acquisition of basic skills, and by enhancing teacher training. ICTs are also transformational tools which, when used appropriately, can promote the shift to a learner-centered environment. E books have increased comfort and a larger selection of titles.

In our university, we are using digital sources as the Internet, CD-ROM, database vocab that provide access to various kinds of information and learning opportunities.

Teachers are using different apps or trusted online resources to enhance the traditional ways of teaching and to keep students more engaged and save a lot time. This valuable time is being used for working with students who are struggling (low achievers).

There are a number of e-books, reference books, e-journals expert's views and other study-oriented material that can make the learning process very easy. The use of e-resources in higher education lends itself to more student-centred learning settings.

Students can work at their own pace as the digital resources can be slowed down and played over and over again as the needs of individuals.
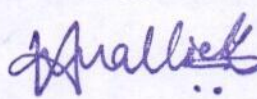
With e-books, "[e]lectronic bookmarks make referencing easier, and e-book readers may allow the user to annotate pages." technical material is especially suited for e-book delivery because it can be [electronically] searched" for keywords

Teachers in large numbers are using PPT as tool. By using this method a concept can be emphasized using one single phrase and words. In PPT graphs and tables that are well-designed to augment a presentation that narration alone cannot.

PPT also helps to engage learners though employing multimedia.

Computer generated slides combine verbal with visual elements and therefore should appeal to a larger segment of learners than just one of its own.

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We are also using webinars, a form of one-to-many communication: a presenter can reach a large and specific group of online viewers from a single location. Providing it is used effectively, interaction during a webinar can be very powerful. In view of the large number of participants, smart tools are essential to channel that interaction. Hence, a webinar offers various interactive opportunities
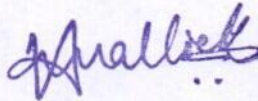
Webinars are personal, live and interactive. From a teaching and educational perspective, webinars are interesting because of the very high degree of interaction, helping participants to learn and understand more quickly.

We use Smart Board technology in the classroom to enrich curriculum by taking a typical lesson and turning it into a fun, more interactive one. A student's learning experience is enhanced by this technology because of its ability for students to view diagrams, charts, videos and more, right on the huge screen in front of them.

The OHP is a small machine designed to project an image onto a small screen or whiteboard are also available for teachers. The materials we normally use with it are pens, which can either be permanent, or cleanable. In addition to these there are transparencies (OHT), which you can write or draw on, and a special type of transparency which a text or image can be photocopied onto.

The advantage of using an OHP is economically and ecologically sound, can dramatically reduce the amount of paper used for photocopies: anything that can be photocopied can also be photocopied onto an OHP.

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ICT-ENABLED TOOLS USED FOR TEACHING AND LEARNING

- Power point presentation
- Desktop
- Laptops
- Projector
- Printer
- Photocopier
- Pen Drive
- Web boards/Zoom online class
- Microphones
- interactive white board
- DVDs and CDs
- Video conference
- Google meets-online
- Online demonstration

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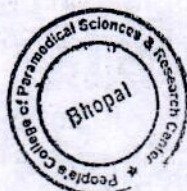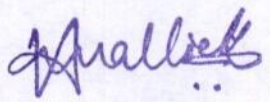➢ **Metric 2.3.2**

Teachers use ICT-enabled tools for effective teaching and learning process, including online e-resources

S.NO	ICT TOOL	QUANTITY
1	LCD PROJECTORS	03
2	OHP PROJECTORS	04
3	SMART BOARD	01
4	TELEVISION	02
5	VIDEO PLAYER	01

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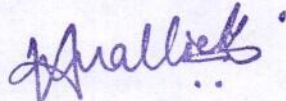PEOPLE'S UNIVERSITY, BHOPAL (M.P.)

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List of ICT Enabled Tools

- Smart Boards

- Projectors

- White Boards

- Online Zoom and Google Classroom

- Power Point Presentations

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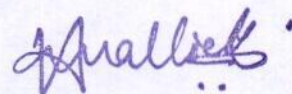PEOPLE'S UNIVERSITY, BHOPAL (M.P.)

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2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

E-learning resources are used in our institute in such a way that students are being taught with the help of power point presentation and the slides are been e-mailed to them as a copy of notes provided for their convenience and one copy is submitted in the library.

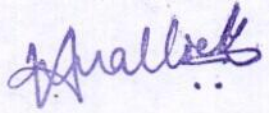| Number of Teachers	Number of teachers on roll	No of ICT enabled classrooms	E-resources & techniques used	No.of smart classrooms & seminar rooms	ICT tools & resources available	Number of teachers using ICT
23	23	Nil	E-books & journals facility	02	OHP projectors	23
			Library with internet		Power point presentations	
			Notes are mailed		Blackboards	
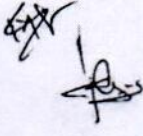
2.3.2 TEACHERS USE ICT ENABLED TOOLS FOR EFFECTIVE TEACHING AND LEARNING PROCESS INCLUDING ONLINE e- RESOURCES

This era of human civilization will be remembered for the boost of technology. Like water, technology has seeped into every corner of life. Water brings life, technology brings worth. We aim to adopt propagate and dwell with technology helping students to develop human civilization.

- Information communication technology tools are digital infrastructure used to communicate and to create disseminate, store and manage information such as computers, laptops, desktops, data projector, software programmes, printers scanners and SMART boards are used in every constituent unit. Built- in projectors enables teachers and students for the fast learning and teaching process. Interactive white boards are the ways to express the words into pictures which helps to display the thoughts to students in a better way.

- Power points presentations are used for educational information which may contain text, images, and other media such as audio clips and movies. Dedicated IT department helps the faculties within the campus with their hardware expertise to fecilitate ICT enabled teaching.

- Online zoom lectures; google meet all are being used as a source for e-learning.Google forms for conducting online exams for students, also procter based open book exams with open cameras for whole duration of exam. (OBE).

- E- books and soft copies of notes as ppts and/or pdf are distributed through e-mail and Whatsapp groups.

- The use of e-resources in the form of e-books, e-journals, online videos are now extensively used specially in online teaching set up. The sharing of digital resources helps the students work at their own pace. Teachers in large numbers are using PPT as tool. By using this method a concept can be emphasized using one single phrase and words. In PPT graphs and tables that are well-designed to augment a presentation that narration

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alone cannot.

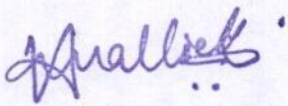PPT also helps to engage learners though employing multimedia.

- University also offers online journal database like EBSCO*host* , DELNet to its institutes. It serves both new and experienced researchers with a variety of features to refine search results. For this university has plagiarism check software to make the research more authentic. It offers high-quality articles licensed from reputable publishers recognized by library professionals, chosen to meet the specific needs of researchers. Users can view, save, print, email or export citations in many formats directly from the database. Users can save searches and articles in a password-protected folder for later reference. EBSCO*host recognizes* when users are accessing the site from a smart phone or tablet and will display a mobile-friendly version. EBSCO does not ask for or require personal information to access its databases. We use Smart Board technology in the classroom to enrich curriculum by taking a typical lesson and turning it into a fun, more interactive one. A student's learning experience is enhanced by this technology because of its ability for students to view diagrams, charts, videos and more, right on the huge screen in front of them.

- Regular Webinars which are powerful tools to remotely connect the presenter with the audience are regularly organized by the constituent units to upgrade the knowledge of the students.

- The university is also in the process of acquiring learning management software (LMS) for ICT enabled teaching.

- Apart from this faculties uprise the students about the various ICT initiatives of MHRD, NPTEL for technology enabled teaching, massive open online courses (MOOC), digital courses on TV, National digital library of India, e-PG pathshala, Shodhganga/Shodhsindhu which is a consortium for higher education electronic sources, virtual labs, SWAYAM etc.

- **Link will be created on peoples university website**

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2.3.2 TEACHERS USE ICT ENABLED TOOLS FOR EFFECTIVE TEACHING AND LEARNING PROCESS INCLUDING ONLINE e- RESOURCES:

List of ICT Enabled Tools:

Power Point Presentation

Using of Smart Board

Video Lectures by Faculty

Video Lectures from NPTEL, SWAYAM, MOOC

Desktop and laptops.

Projector.

Printer / Photocopier.

Pen Drive.

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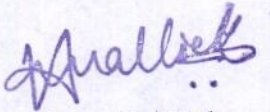
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2.3.2 TEACHERS USE ICT ENABLED TOOLS FOR EFFECTIVE TEACHING AND LEARNING PROCESS INCLUDING ONLINE e- RESOURCES

Computers

Laptops

Desktops

LCD projector

Software programmes

Printers

Scanners

SMART boards

Power points presentations

Online zoom lectures,

Google meet

E- books

Soft copies of notes as ppts and/or pdf