SHREE SHIVAJI ARTS, COMMERCE & SCIENCE COLLEGE, RAJURA

BEST PRACTICE – 1

Title of practice: Application of Technology for better teaching learning

The context that required the initiation:

Majority of the students of our college are from rural background and backward classes and they are very much unfamiliar to the technological advancements. Moreover because of poor competence level the students face problems in understanding the content of syllabus. The learning experience becomes more memorable if it is supplemented with audio visual aids. Some of the faculties were using ICT enabled teaching but it was in limited context. To keep pace with the world of technology and to make the teaching learning process more interesting, and multidimensional, we felt that use of technology on large scale was necessary. Hence IQAC decided to adopt technology during 2018-2019and use it extensively for creating effective teaching learning process.

Objectives:

The practice purposed to

i. use technological tools for effective and interesting teaching -learning process

ii. internalize technology for overall academic betterment

iii. enhance skill of using technological tools and resources

iv. keep abreast with the world of ever changing technology.

Practice:

The institution provided the ICT facility in two seminar halls and two laboratories. The facilities include LCD projector, interactive TV, smart board and book reader. In all the ICT enabled rooms internet facility was also provided to download and show the videos, images and other e-resources from various online portals. The faculties were notified to use this ICT enabled infrastructure for betterment in teaching. In order to revise and upgrade faculties' skill of using ICT, a soft skill training program was organized by IQAC. The teachers were trained for advanced presentation skills in the use of PPT, smart board, doc scanner, download and use e-books, video lectures, animation videos, documentaries, etc. from authentic e-resources like e-pathshala, Swayam, IIT website and other academic and research related websites. Maximum faculties used ICT for teaching. Apart from PPT based lectures teachers used you tube, academic websites, online portals during their teaching. There are two departments where teachers use LCD projector and doc scanner on daily basis. In order to monitor number of teachers using ICT, a register was kept by IQAC for recording particulars of teachers and number of students during ICT based lectures. In order to realize the goals of this practice and to make the students technologically sound, the soft skill training was given to students. A workshop on soft skill development for students was organized by IQAC. The students of all disciplines registered for this workshop. The students were trained on how to use Microsoft word, excel and power point and how to browse online for retrieval of subject content. A hands on training was also given to students in computer laboratory. Since 2018-19, ICT enabled teaching is a regular practice.

Obstacles:

Some teachers who lagged in technical skills and knowledge of using computers and other technical devices couldn't cope with in the beginning of the practice. Later they learnt the technical skills. Secondly, when most of the teacher started engaging classes in ICT enabled rooms, the biggest problem was overlapping of classes and availability of ICT enabled room for use. To address this issue there was need of additional ICT enabled rooms and hence one more class room was equipped with LCD projector. To avoid overlapping of classes to be taken in ICT room, a time table was prepared by IQAC showing the availability of the room with date and time. With this we could avoid overlapping up to large extent and the room was used by more number of teachers.

Impact:

The ICT enabled classes impacted students learning and comprehension. With the use of projectors, book readers, PPT, online sites, YouTube videos, teaching became effective and multidimensional. It also made students' learning interesting, enhancing their grasping of the content taught. It created interest for subject in the minds of learners. Having learnt technological tools like MS word, excel, PPT, You Tube students internalized these things and the knowledge helped them in academic betterment. Some of the students prepared PPTs for their class seminars. The students became capable for visiting different online portals and websites and browse syllabus related content for their study. The knowledge of using technology for teaching became useful in COVID period in 2020-21 for conducting online classes.

Resources required

For putting this practice in to force, the institution required devices and instruments namely smart board, projectors, sound system, doc scanner and computers. We also required technical support in the initial stage for installation and for understanding the use of equipment's for academic purpose. Internet facility with good band width was needed for optimum result and realizing the desired goals and objectives of the practice.

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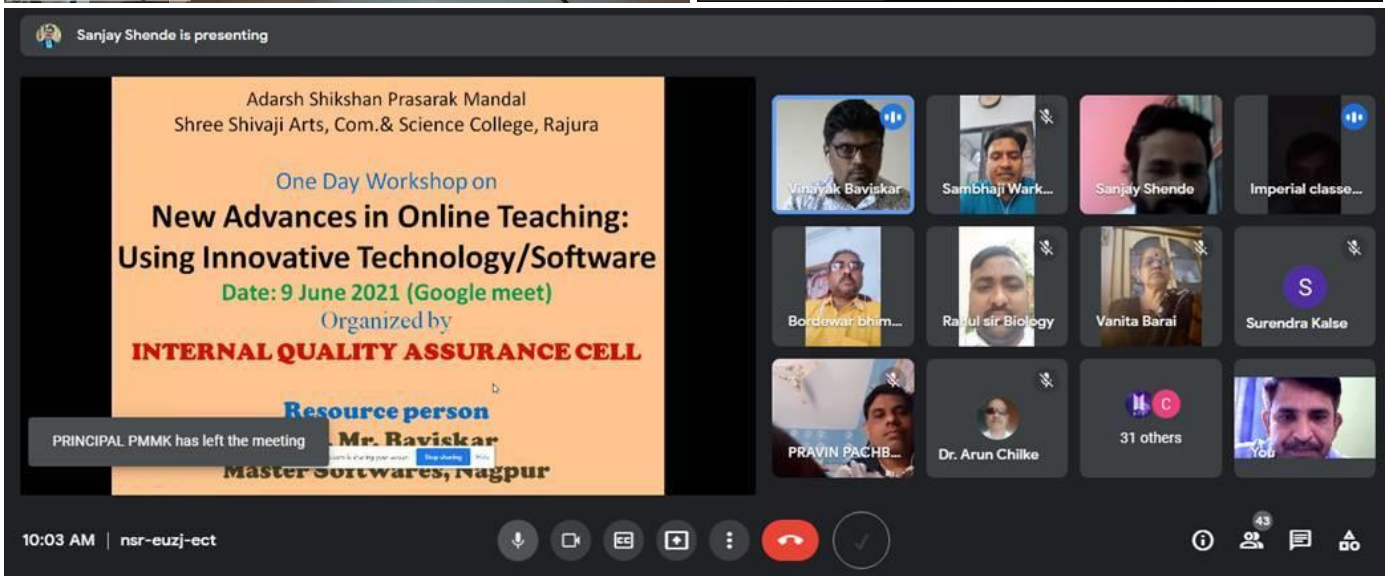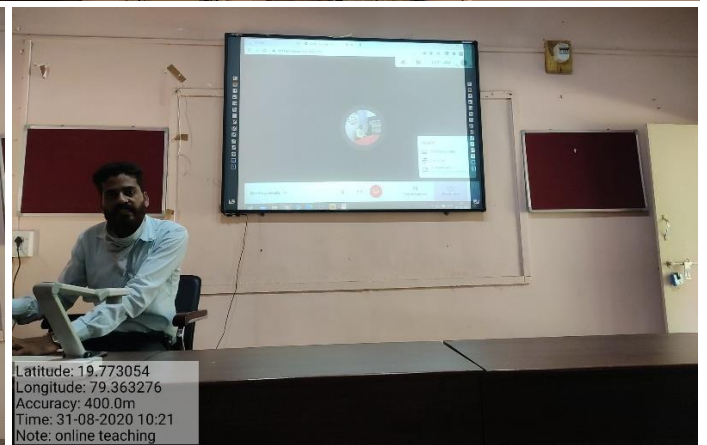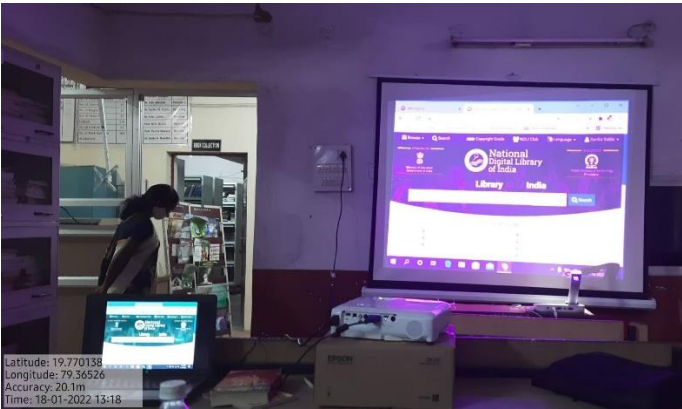
Workshops on online teaching tools

ICT Facilities available in the college
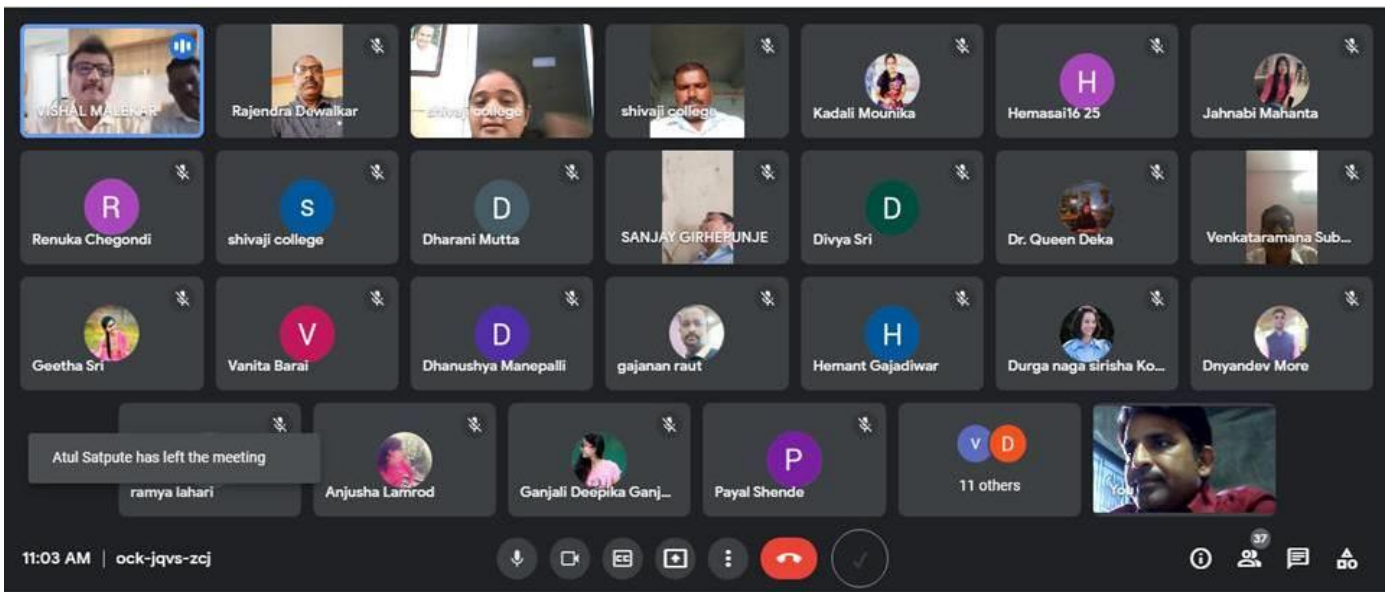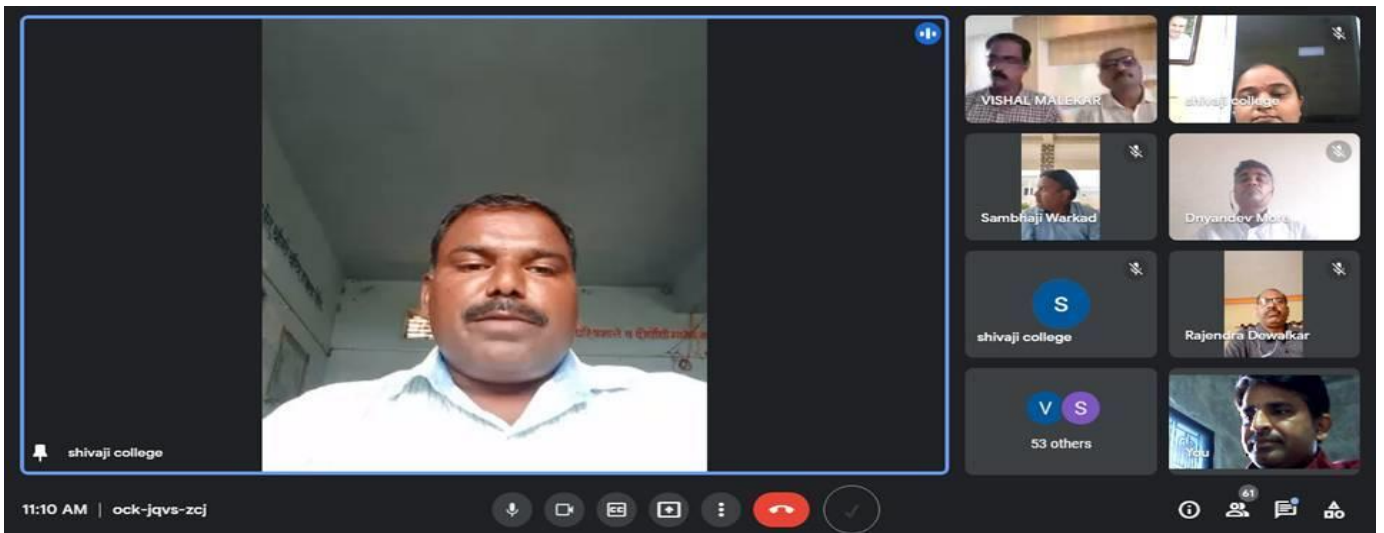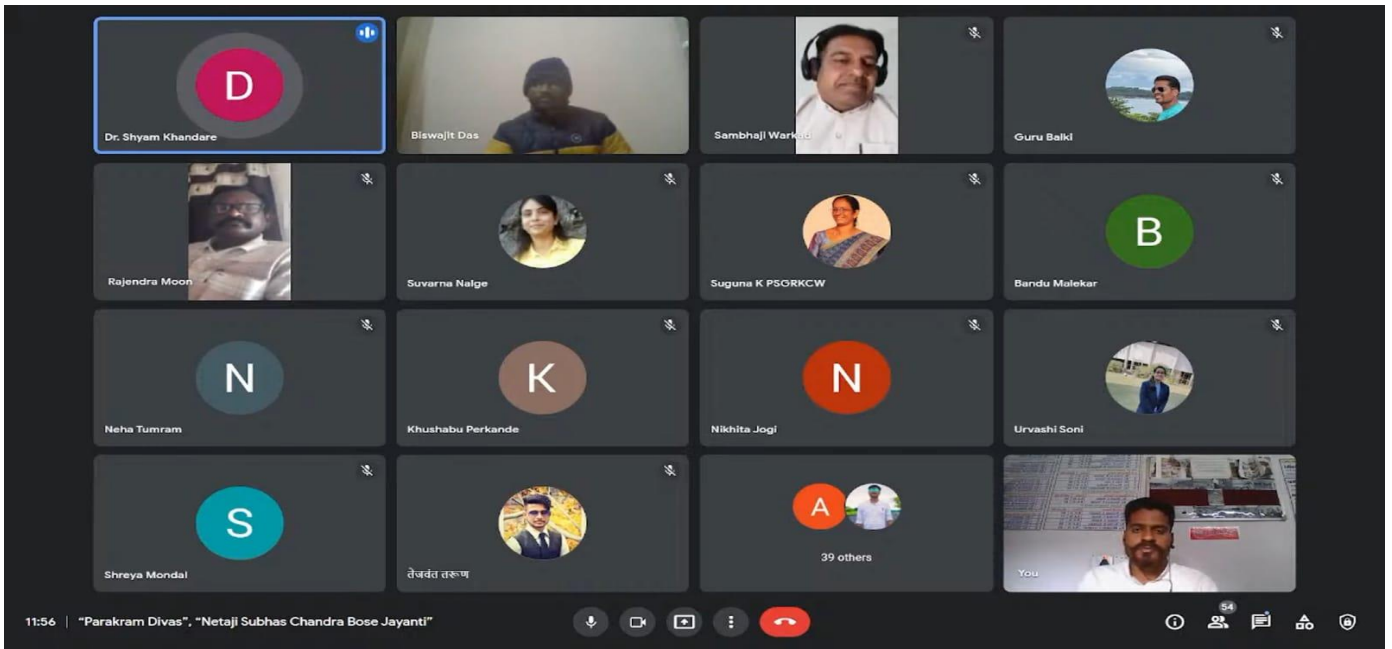
Conduction of Guest lectures, conferences using ICT
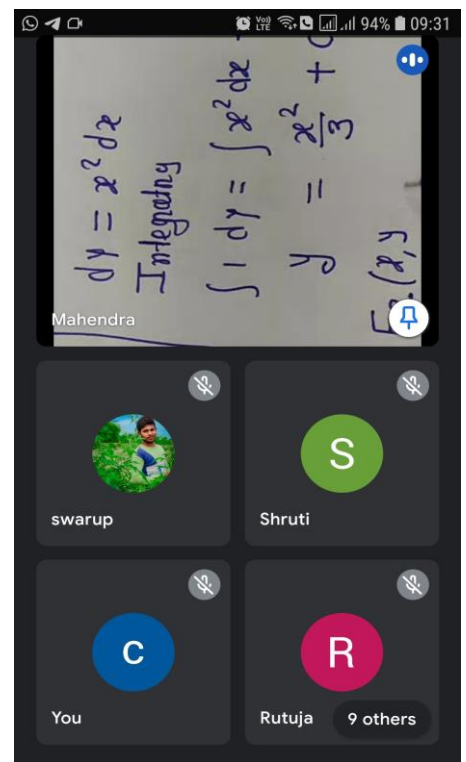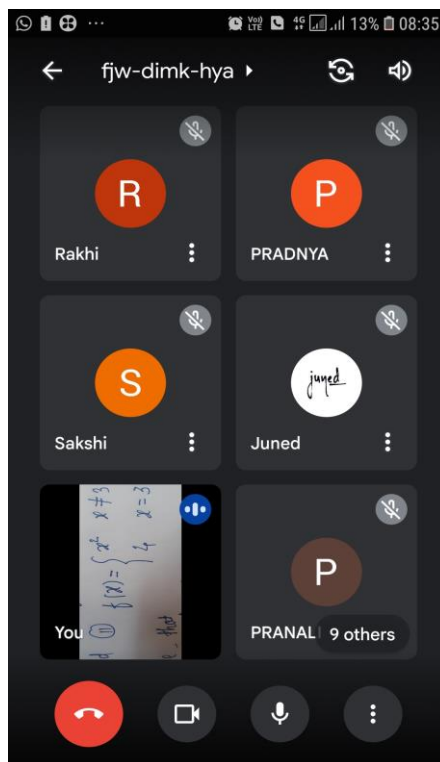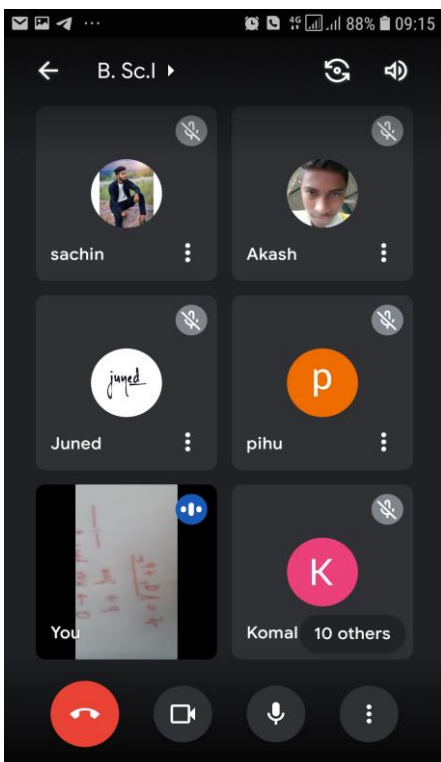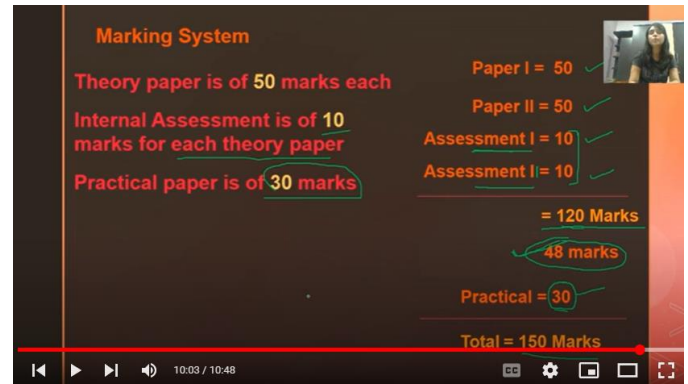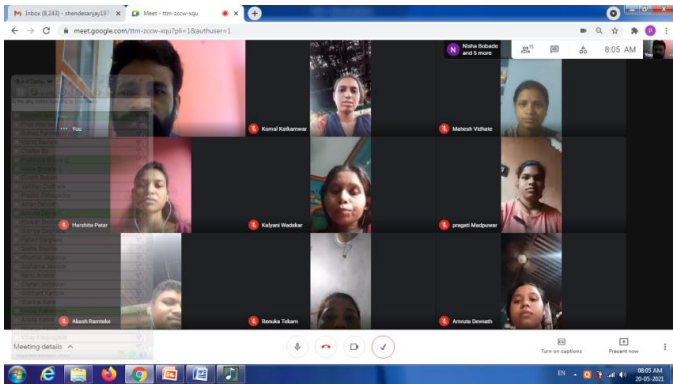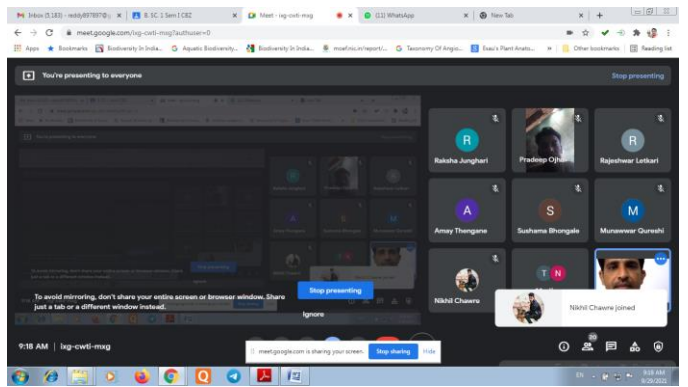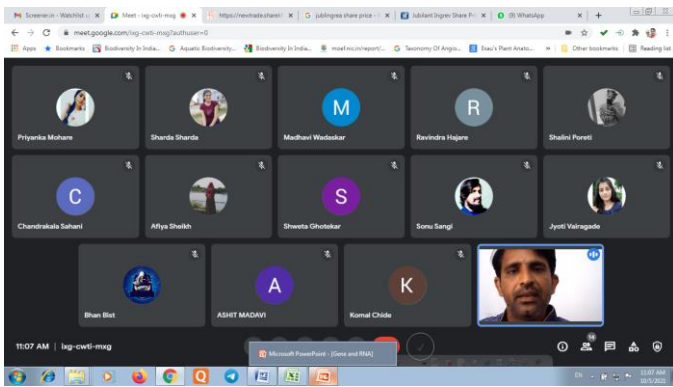
Screenshots of Online teaching

Videos available on IQAC YouTube channel