ICT-enabled Educational Practices

Information and Communication technology is here to stay with its dynamic nature. This requires all the educational set ups to create the competitive working culture to face the challenges of latest technology related knowhow.

Institution has taken up the challenge to train student teachers in ICT enabled teaching-learning practices through direct and indirect learning experiences by keeping following objectives in line with its vision:

- To design ICT enabled teacher education practices to enhance ICT related competencies in student-teachers.
- To train student-teachers to use easily available and cost effective webpage creation tool, wiki like Google site, BLOGS, etc. to create and design own website and learning materials.
- To develop research skills using ICT tools like online survey form.

Revised B.Ed. syllabus demands the integration of computer technology in all the courses. In addition, it includes a workshop based course on Enhancing Professional Competencies in critical understanding of ICT in education. Institution is well equipped with the ICT enabled infrastructure. The Universal Group of education has a separate IT department that caters to the technology related requirements of the educational institutions.

The campus of the Institution is fully WIFI enabled with a computer lab having the capacity of around forty laptops. The lectures halls too are equipped with LCD projectors and smart boards. Few computers are dedicated to students for completing their assignments or for practice purpose. All the staff members are provided with the personal computers at their desks. The office and library is equipped with the management Information system (APPLANE)

Institution, strives to make the ICT training prescribed in the syllabus more meaningful and product based that can be applied throughout the curriculum and beyond it.

Most of the assignments given in the courses are completed by using the latest mobile and computer technology, like What App, e-mail, document sharing, BLOGs, survey forms etc.

In-house workshop is conducted to train students in creating and using learning management system, BLOG, Document Sharing etc.

Action research is part of students' practical work. Students use online survey forms to collect data for the same.

Students are trained in different software like Piktochart, VLSD etc. to create learning resources to use in their practice teaching. They are encouraged to use the learning strategies like flipped classroom,   Cooperative learning or any other constructivist approach where such resources can be used to facilitate learning.

Using Piktochart software students developed text graphics for spreading awareness through cleanliness drive in the surrounding area as part of Institution's **community outreach programme.**

Guest lecture using Online webinars, video sessions are organized for students to avail expertise in the virtual set-up.

Institution encourages Staff members to take up online courses i.e. MOOCs as part of their professional growth on varied topics. Students too are encouraged to take up online courses offered by Department of life long and extension (DLLE) of Mumbai University.

In the academic term 2016-2018, teachers designed and uploaded one small unit on the readily available LMS, EDMODO where students during their internship learnt the topic using online modes like discussion forum and online test, YouTube, etc. teachers had uploaded the topics that became their learning material study and respond to the assignments. The teachers also could save time of theory lectures since this was during Internship and online.

Students were trained in software like Storybird, Edpuzzle which they used during their Internship as instructional material and also during community work to make pamphlets in creating awareness on social issues and topics of concern.

Every student contributed in spreading digital literacy by training at least two people in the society to use mobile apps like Paytm, UPI Bhim, etc.

Institution strives to connect with other institutions online for exchange programme for students and also establish teacher organisation for virtual teachers' meet for exchanging innovative ideas.

Institution thus strives to adapt ICT as the integral part of teacher training programme by making it cost effective for students and staff by availing easily and freely available learning resources, software and apps.

2018-19

ICT inputs:

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In-house workshop is conducted to train students in creating and using learning management system, BLOG, Document Sharing etc. The students attended Seminar on "Augmented Reality" and Workshop on "Quizlet", conducted by students of Department of Educational Technology, SNDT University, Mumbai.
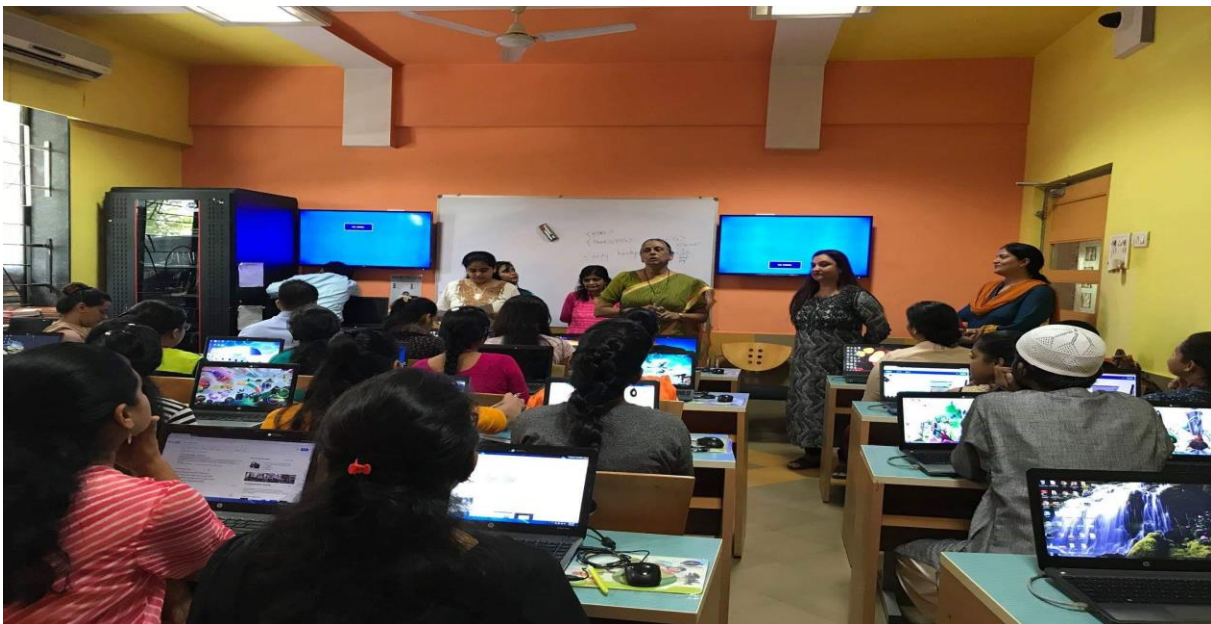
Seminar on "Augmented Reality" and Workshop on "Quizlet"

Blog

ICT workshop was conducted for the students, they learnt to create blogs current issues that are caused by the misuse of ICT. In that they studied few cases, discussed on ways to keep an individual safe on the web etc.
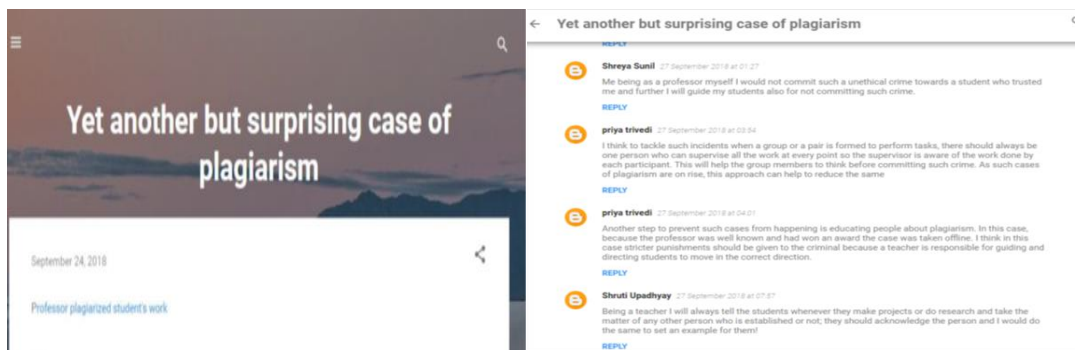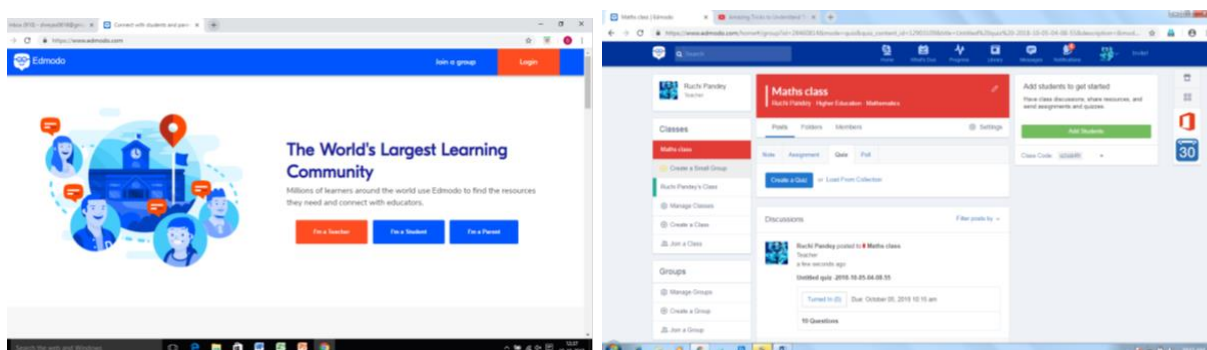

Blog   *Comments on the blog*

LMS

The students worked on LMS (Edmodo), some students acted as teachers in that simulated environment and some as learners. It was an effort to give them the experience of using LMS the right way.

Survey on Google form

The students also created their own Survey on Google form multiple times throughout the year. The first survey was related to the concerns the school students face with respect to their specialization subject.

Google Survey form created by students   Data collected from the survey

Action research is part of students' practical work. Students use online survey forms to collect data for the same.

e-portfolio

The Students created e-portfolio as part of the ICT workshop. The students upload document about their participation in every curricular as well as co-curricular in their e-portfolio. This e-portfolio has been designed and updated very judiciously by the students. The main objective for maintaining this e-portfolio is for the preparation of our students for the campus placement drive as well as to prepare them for future job opportunities.
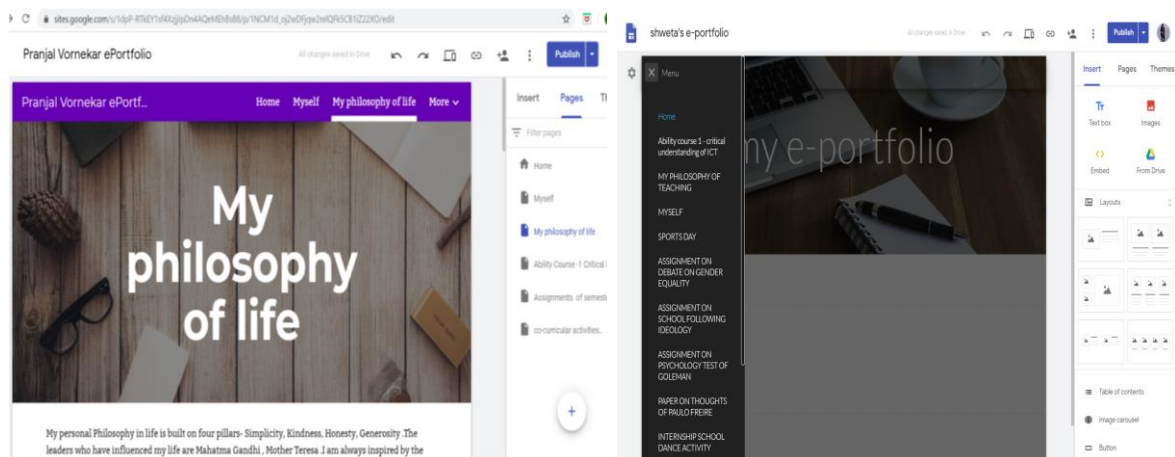
E-portfolios of the students

e-brochure and pamphlets:

The students made e-brochure and pamphlets for creating awareness among the women, children living in their vicinity about sexual harassment, child abuse, good touch and bad touch, laws to protect the rights of the victims in their. A survey was also conducted by our students from the women living in their vicinity. This was part of the community outreach program organized by the institute.

The students made e-brochure and pamphlets for extension work under career project. It was an attempt to give the IX, X students and also junior college students a view of possible career choices. This was also conducted in all the

institutes where our students are deputed for internship. All the internship institutes gave constructive feedback for the career fair.

Faculty members are regularly trained by the dedicated ICT department of the institution.