



**E-Workshop**  
**on**  
**Modern Online Tools & Softwares for Remote Teaching – Learning**

**Date: 27th & 28th June, 2020**

**Resource Person: Dr D. Lakshmi, Educational Research Officer at VEDIC,  
Hyderabad and Associate professor at BVRIT**

**Description of the Programme:**

**DAY 1**

The pandemic Covid-19 has made all the Educational Institutions across the world adopt teaching online. Courses and Examinations are conducted online, Assignments are submitted through email. The classroom is supplemented by online coursework. This way, students are required to study at their own pace. This will also give them adequate time to assimilate information.

E-Workshop on “**Modern Online Tools & Softwares for Remote Teaching – Learning**” helped the faculty to learn new online teaching methods. This workshop ensured the faculty that they are comfortable with technology and are able to seamlessly switch between online and offline modes of teaching the curriculum. Above all, the teachers felt empowered to deliver a more impactful lecture than before.

The session started with a welcome note. The Resource Person **Dr D. Lakshmi, Educational Research Officer at VEDIC, Hyderabad and Associate Professor at BVRIT** briefed about the importance of online teaching. She started the session with the topic TPACK Framework Model, which focussed on Technological Knowledge (TK), Pedagogical Knowledge (PK), and Content Knowledge (CK),

offered a productive approach to many of the dilemmas that teachers face in implementing educational technology (edtech) in their classrooms. The TPACK framework outlines how content (what is being taught) and pedagogy (how the teacher imparts that content) must form the foundation for any effective edtech integration. Technological Pedagogical Knowledge (TPK) describes relationships and interactions between technological tools and specific pedagogical practices, while Pedagogical Content Knowledge (PCK) describes the same between pedagogical practices and specific learning objectives; finally, Technological Content Knowledge (TCK) describes relationships and intersections among technologies and learning objectives.

The chief guest explained about types of digital learning, such as adaptive learning, badging and gamification, blended learning, classroom technologies, e-textbooks, learning analytics, learning objects, mobile learning etc. e.g. Mobile Phones, Laptops, Computers and iPads are some of the digital learning tools.

She explained about the tool, Google Forms and its usage. It is included in the Google Drive Office Suite. Google Forms is a tool that allows collecting information from users via a personalized survey or quiz. The information is then collected and automatically connected to a Spreadsheet. The Spreadsheet is populated with the survey and quiz responses. She covered all the features available in google forms with an example quiz.

She then moved to the next topic Google Classroom, which is a free web service developed by Google for institutions that aims to simplify creating, distributing, and grading assignments. The primary purpose of Google Classroom is to streamline the process of sharing files between teachers and students. She created a classroom and elaborated all the options available in the classroom.



## **Presentation on TP Framework**

The session ended with a topic Quizlet in an online study application that allows students to study information via learning tools and games.

### **DAY 2**

Next day, the session started with a Prezi Presentation in which users can easily customize images, charts, and layouts and can make beautiful presentations. Presentations can be easily made by just drag, drop, and customize. It can save time and effort with pre-designed presentations. She also explained it with an example presentation.

This online tool helps in delivering stunning and interactive visual experiences. Faculty can also present offline using desktop apps.

The next tool is Edpuzzle, a teaching tool used to place interactive content into pre-existing videos from a variety of sources, such as TED or YouTube, or into videos made by the user. Students watch the videos, how many times they're watching each section, and if they're understanding the content can be checked by the teacher. This tool introduces students to self-paced learning with interactive video lessons. It has an option called quiz maker. It will pause the video and prompt the viewer to answer a question. Adding a quiz can ensure that students are engaging with the video and paying attention to the content as it plays, rather than testing them at the end. The trainer explained it with an example.



**Faculty participated in E WorkShop**

The trainer then introduced a topic called Kahoot, a game-based learning platform. It can be used to review students' knowledge or as a break from traditional classroom activities. Kahoot! also includes trivia quizzes. The trainer gave a sample quiz to the faculty and made them answer the questions. This went interactively. She also explained the method of extracting the results.

The Trainer explained an interactive whiteboard in the G Suite Family called Jamboard. Jamboard is a digital whiteboard that helps to sketch out ideas and save them in the cloud so they can be accessed on any device.

The session ended with a Practice exercise on Kahoot and Quizlet. All the faculty participated interactively in the quiz session. The Trainer revised the topics kahoot and quizlet at the end. She also clarified the doubts. The session ended with a vote of Thanks.