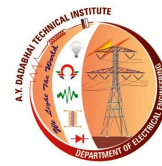# Report on Two-Day Online FDP Program on "ICT Tools for Effective Teaching and Learning in Technical Education" under the ISTE Chapter.

## Organized by:

**Mechanical** and **Electrical Engineering Department**

| | |
|---|---|
| **Program Co-ordinator** | **Program Co-ordinator** |
| Mr. K.H. Patel | Mr. M.S. Dinath |
| H.O.D. Mech. Engg. | H.O.D. Elect. Engg. |

**Dates:**
28th and 29th June 2024

**Total Registration: 82**
**No. of Participants: 76**

## Introduction

The A. Y. Dadabhai Technical Institute proudly hosted a two-day online Faculty Development Program (FDP) on **"ICT Tools for Effective Teaching and Learning of Technical Education."** This event, held on the **28th** and **29th** of **June 2024**, was a collaborative effort by the **Mechanical and Electrical Engineering Departments**. The primary objective was to familiarize faculty members with the latest Information and Communication Technology (ICT) tools and to demonstrate their application in enhancing teaching and learning in technical education. The whole program was anchored by Mrs. Sneha R. Manik (Lect. Elect. Dept.).

## Day 1: 28th June 2024

**Inaugural Session**

The program commenced with an inaugural session featuring a welcome address delivered by the **Dr. D. V. Patel Principal of A. Y. Dadabhai Technical Institute**, who highlighted the significance of integrating ICT tools in technical education to keep pace with the evolving educational landscape. This was followed by an introduction to the objectives and structure of the FDP by the coordinators from the Mechanical and Electrical Engineering Departments.

**Session 1: Introduction to ICT in Education - An Overview**

The first technical session focused on the importance and impact of ICT in education. The keynote speaker, **Mr Kamlesh H. Patel (HOD Mechanical)**, an expert in educational technology, provided an overview of the various ICT tools available and their relevance in today's educational environment.

**Session 2: Use of Google Gemini AI chat.**

The second session delved into specific ICT tools that can be effectively used in technical education. Tools Gemini AI was discussed. The session was conducted by **Mr. Kirti M. Patel, Lecturer – GP Waghai.** The session was interactive, with participants sharing their experiences and challenges in using these tools.

**Session 3: Educational Video Creation in YouTube.**

The session was begun with hands on demonstration of Educational Video Creation on YouTube by **Mr. Yogesh A. Sakpal, Lecturer – AYDTI, Kosamba**. Participants had the opportunity to engage in practical exercises, guided by the expert. This session aimed to provide a clear understanding of how to integrate these tools into their teaching practices effectively.

**Session 4: Task**

In this session experts have assigned relevant tasks to all the participants. Some of the sample tasks are as follows.

- Prepare Google form for any of the content.
- Prepare any content or study material of respective subject with the help of Google Gemini.
- Prepare any educational video for YouTube.

Participants from various institutions asked to share their assigned task before the end of the FDP.

# Day 2: 29th June 2024

**Session 1: Creation of Google Forms, Google Classroom, use of ERP Software.**

**Mr. Saurabh S. Tandel, I/C Head – I.T., CKPCET, Surat** shared the Experiences and highlighting the benefits and improvements observed in student engagement and learning outcomes with the help of Google Forms, Google Classroom, use of ERP Software.

**Session 2: Google Meet and Advance Feature in Word, Excel and Power Point.**

**Mr. Hiren R. Patel, I/C Head – Computer Engineering, GEC - Modasa** has shared his expertise on the topic of Google Meet and Advance Feature in Word, Excel and Power Point. This session featured case studies and best practices from institutions that have successfully integrated ICT tools into their curriculum.

**Interactive Q&A Session**

An interactive Q&A session followed, where participants posed questions to the experts and shared their thoughts on the discussed topics. This session was highly engaging and provided valuable insights into the practical challenges and solutions related to ICT integration.

**Assessment & Feedback**

All the participants had submitted post FDP assessment test & feedback. Total 76 participants had attempt the assessment test and submitted their feedback. At the last we have provided them e-certificates of the FDP.

## Valedictory Session

The program concluded with a valedictory session, where **Mr Moh. Shakir Dinath, HOD Electrical Engineering, A. Y. Dadabhai Technical Institute** expressed gratitude to the speakers, participants, and organizers. E-Certificates of participation were provided to all attendees. The session also included feedback from participants, who appreciated the program's content and the opportunity to enhance their skills in using ICT tools for teaching and learning.
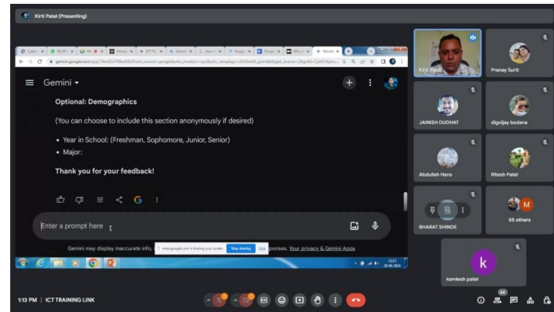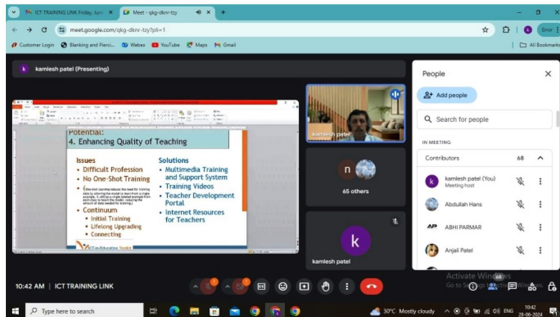
## Conclusion

The two-day FDP on **"ICT Tools for Effective Teaching and Learning of Technical Education"** was a resounding success. It provided valuable knowledge and practical skills to the faculty members, equipping them to better integrate ICT tools into their teaching practices. The collaborative effort of the Mechanical and Electrical Engineering Departments of A. Y. Dadabhai Technical Institute ensured a well-organized and impactful event, fostering a culture of continuous learning and innovation among the faculty.

## Sample Certificate
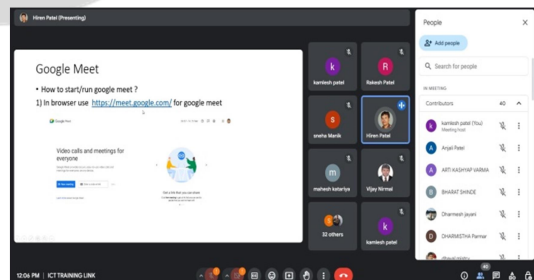
# Glimpse of the FDP

## Day: 1



**Session 1:** Introduction to ICT in Education - An Overview.



**Session 2:** Use of Google Gemini AI chat.



**Session 3:** Educational Video Creation in YouTube.

## Day: 2



**Session 1:** Creation of Google Forms, Google Classroom, use of ERP Software.



**Session 2:** Google Meet and Advance Feature in Word, Excel and Power Point.