ABSTRACT :

how to build and design your digital clock window using python. This is a simple project to get started with Tkinter, which is a built-in package that comes with Python. Tkinter is basically a graphical user interface package. It has great features that can be used to create simple applications. And today we will use it to create our digital clock.

The great part of building your own digital clock is you can customize it as you wish. From text font to background color, all the features are available to be customized.

EXISTING SYSTEM:

Sapling Synchronized Clock Systems are in demand across the globe. Our advanced technologies and high quality standards attract customers from the United States to Australia, and everywhere in between. Oftentimes, customers turn to Sapling to replace or add clocks to an existing system from a third-party manufacturer. If your facility is currently using a synchronized clock system from another manufacturer and you are interested in adding the simplicity and reliability of Sapling clocks to that system, we may have a solution for you. Sapling offers different types of synchronized clock systems: wired, wireless, and IP. Each of these systems is capable of interfacing with third-party synchronized clock systems. For everything from a single clock add-on to adding an entire master clock system, Sapling can offer a variety of options to interface our clocks with an existing system.

PROPOSED SYSTEM:

* Coordinated indications of all clocks at the site with a global universal time (UTC/GMT);
* Synchronous indication of an exact zone time in the pointer and digital formats on all clocks;
* Automatic conversion of clocks during the transition to winter/summer time;
* Automatic setting of the clock to the exact time after restoration of power or liquidation of the accident on a line;
* Automatic restoration of the correct indications of the clock at failures or during power interruption for a period of up to 1 week;
* Synchronization of the computer network in accordance with the calendar date and exact time;
* Simplicity of usage that does not require special training of the engineering personnel.

DISADVANTAGE OF EXISTING SYSTEM:

ADVANTAGES OF PROPOSED SYSTEM:

The main advantage of the**digital clock system** is the **indication of an absolutely exact time** (with an error of run – 1s for 300000 years). The accuracy of signal timing is provided by cesium master clock at the Paris Bureau of Weights and Measures.

**Digital clock system provides:**

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