

Group: 8

Group members: 1. Janvi Rite (20ET1017)
2. Rujuta Sarang (20ET1013)

Supervisor: Pramod Haribhau Kachare

Title: Digital notice board using Raspberry-pi

ABSTRACT

A notice board is intended to post public announcements. The traditional process of displaying/updating notice boards comprises generating digital notice, printing, removing earlier notices, and sticking new ones. It is a monotonous and time-consuming task. This work presents a digital notice board system to overcome these difficulties while reducing the operational cost and time of the entire process. A digital notice board system comprises a raspberry-pi for nodal processing, a monitor for digital display, and a web server for administrative access. The raspberry-pi listens to the web server for synchronization, acquires images and corresponding display duration from the web server, and builds an animation. The monitor receives the animation from the raspberry-pi and displays it continuously until intervention from the raspberry-pi. The web server facilitates a graphical user interface for administrative access and storage for saving images with corresponding metadata. The web servers can be accessed worldwide without additional hardware and software and are displayed within seconds.