

SMARTBOARD USING RASPBERRY PI

ADITI SHRIKANT JADHAV¹ & SUDARSHAN R. DIWATE²

¹Pursuing ME E&TC VLSI & Embedded System G. H. Raisonni Coem Ahmednagar, India

²Professor, G. H. Raisonni Coem Ahmednagr, India

ABSTRACT

From the past many years we are seeing the notices of the college companies offices is usually displayed on the normal board having number of notices written on the same board. As notice board is the somewhat the ancient concept of displaying notices we should think of some more innovative idea to create a new board rather a smart board. So we come to the conclusion to design a smart board such that it can fulfill the requirements such as less manual operation, same notice/lecture can be displayed at the various places at the same time, the notice (board display) should be visible from maximum area or distance, compact and compatible, easy handling. By using raspberry pi I am developing a smart board in which a person will deliver a lecture sitting in his/her comfortable place and the lecture is being delivered to the students/candidates wherever they want. At the same time the lecture is been recorded for further use. For this purpose we are using the IP protocols/addresses to handle the whole concept. Delivering lecture is one example; the use of smart board can be done in many other different ways .We use the wireless fidelity source to run this concept.

KEYWORDS: Raspberry Pi, Wireless Fidelity Connection, LAN, Raspbian OS