

Status Tom: A Pervasive News and Social Status Display over Arduino

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The Problem

- ▶ Social networks are growing very fast!
- ▶ Virtual world – Physical world communication gap
- ▶ Passing same message to mass community
 - ▶ Via verbal communication, informing each person
 - ▶ Via some non-verbal communication like text message, email
 - ▶ Both are costly, and requires high effort.
- ▶ Status Tom uses benefits of the Internet and tries to remove the boundary between two worlds



The Solution

- ▶ Status Tom! – provides *non-verbal, cheap, once-for-all* and *real-time* communication
- ▶ Displays social network updates on a simple screen of 16x2 chars
- ▶ Apart from SN updates it can also show latest news headlines
- ▶ If more than one screens are attached, the system can be used to broadcast important notices.

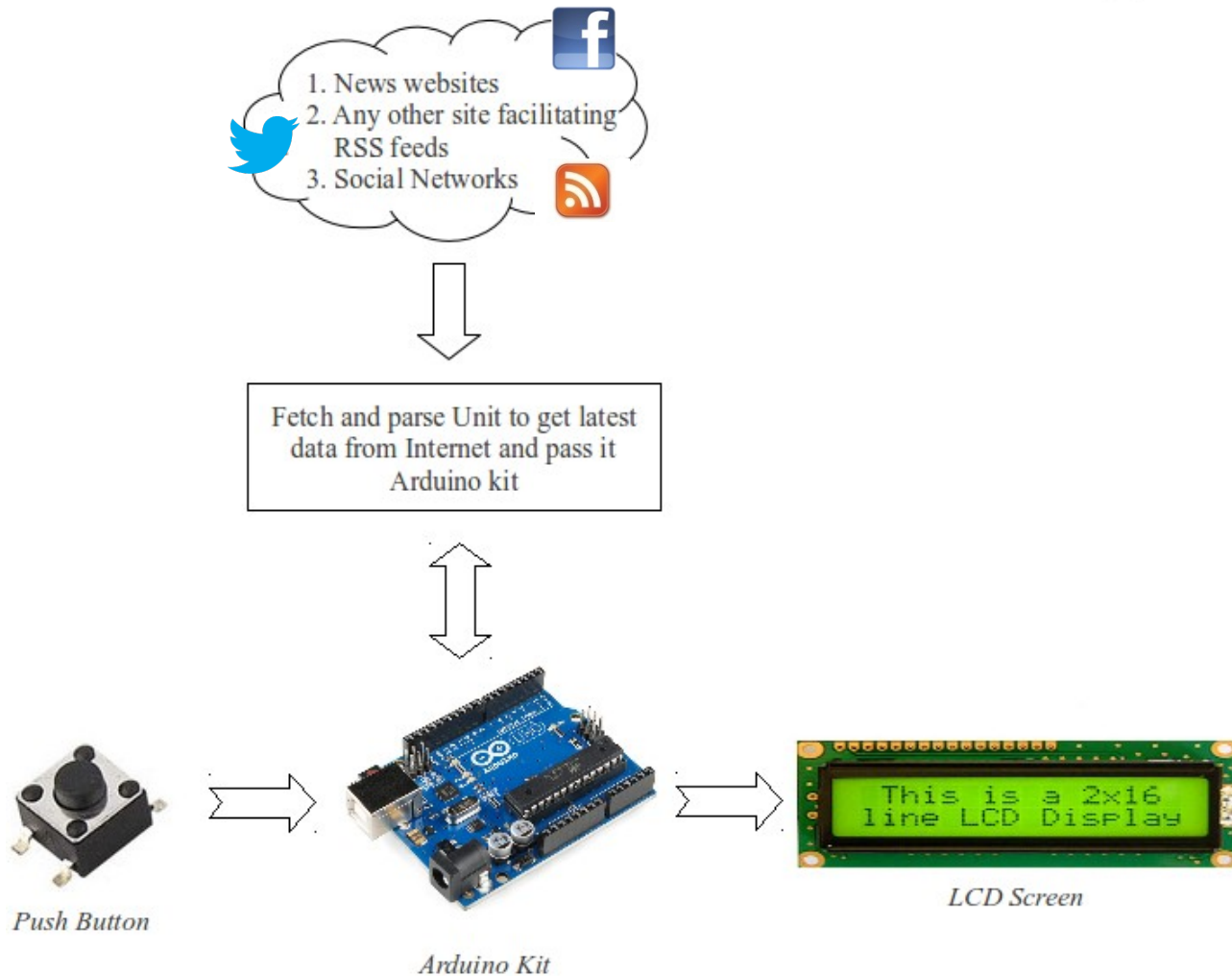


Tools and Technologies

- ▶ Arduino – A microcontroller to process data
- ▶ LCD Screen – to display data
- ▶ Python Script – to fetch latest data and pass it to Arduino
- ▶ Interrupts – to get user input



System Architecture



Potential Applications

- ▶ A device to roughly go through what's happening around the world as it can display news from various news websites
- ▶ To display important notifications in real time, can be mounted on someone's office or home door
- ▶ To pass notices in the dept like this, just a screen is required to be there in everyone's cabin
- ▶ To follow your interests on social networks



Demo!

- ▶ Thank you
- ▶ Any Questions??

