Euperiment No: 10



din: create a small dashboard capplication to be deployed on cloud. Different publisher devices can publish their information and interested capplication can subscribe.

Theory:

ents those help to setup 4 manage the internet connected devices. A person can internet connected device from a signal system. There are a burch of 101 platform available online but building an 101 solution for a company is all depend on 101 platform host & Support Quality.

TOT cloud Platfourns:

1. Kaa IoT splatfourn;
2. Site. where: open platfourn four the Internet of things.
3. Thingspeak: An open IoT platfourn with MATLAB analytils.
4. DeviceHive: IoT Made Casy.
5 Zetta: API-Fisst Internet of Things platfourn.

Kaa- Flatures:

1. Manage, an unlimited number of Connected device.

2. Set up cuoss-device interoperability

3. perform A/B Service Hesting.

4. personen vieal-time device Monitoring & 5. personen vienote device provisioning & 5. porform viemore acore por longiquitation.
6. correct & analyze Sensor data.
7. Analyze user behaviour deliver targeted notification.
8. Greate Cloud Services from smart products. 5 H where - features: 1. Run any number of JOI applications on a single site whore instance.
2. Spring delivers the core configuration frame-work.
3. Connect devices with MRIT, Amor stomp 4. Add deviles through self-registration;

REST Serviles out in batches.

5. Integrates with third-Party integration
frameworks such as mule. Any point.

6. Default database, stornage in Mongoo. 7. Eclipse Californium for COAP Messaging. 8. InfluxIDB four event data storrage. 10. HBase for non-relational data stouce Thingspeak - Features; data in puivale channels. data with pubilic channels. A M& TT APIs. analytics A Disulization. 1. Collect 2. Share 3. RESTEW 4. MATLAB 5. Alerts. 6. Event scheduling

Hexa.

7. Apr Integrations 8. would wide Community. Deviletive - features:

2. Disualization doshboard of your of choile.

3. Customize DeviceHive behavior by sunning your customa jornSuint Gode.

94. It Supposts the Dig data Solution Such as ElasticSearch Anachespark Cossand on the katka four veal-time & botch protesting.

5. Connect any device via REST API websolves or MOTT!

6. It comes with appache Spark & Spark of Steaming Support.

7. Supposts libraries written in Various programming languages, including Android & Iss libraries.

8. It allows wurning botch analytics and Machine learning on top of your device data.

Zetta-flatures

J Built around Node is REST websockets, 4
a flow-bosed" reactive programming".
2.1 Supports wide mange of hacker boards.
3.2 etta allows you to assemble smartpha
app8, devile app8, 4 cloud app8.

Subject code 310252 Subject:

Analytics



MATLAB Analysis

Lighter and transform data.



MATLAB Visualizations

Modeline data in MATLAS place.



Plugins.

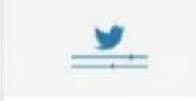
birglay data in gouges, charts, or custom physics.

Actions



ThingTweet

Diseased a device to Tector* and send sierts.



TweetControl

Litera na the Twitterverse and react in mail time.



TimeControl.

Automatically perform actions at predistormined bloom with Thropipesk Apps.



React

Report Subsectional data fearing contains producers.



TalkBack.

gave opcomments for your divine.



ThingHTTP

Simplify device communication with web services and APIs.

Conclusion:
Thus, we have designed small application using Things of peak.