Practical no: 10

Title: Create a small dashboard application to be deployed on cloud. Different publisher devices can publish their information and interested application can subscribe

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	ESTOT Practical 10 Practical 10 Roll no: 02
	Aim:
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	Create a small dashboard application to be
	deployed on cloud. Different publisher devices can
	publish their information & interested application can subscribe.
	can subscribe.
	Theory
O	Theory
	IOT platforms
	The IoT Platforms are suite of components
	those help to setup and manage the internet
	connected devices. A person can remotely collect data
	monitor and mange all internet connected devices
	from a single system. There are a bunch of IOT
	platforms available online but building an IOT solution
	for a company is all depend on IOT platform host &
0	support quality.
	The Table 1 and the state of th
	IDT Cloud Platform -
	1) Kaa IoT Platform
	2> Sitewhere: Open Platform for IOT.
	3> Things Speak: An open IOT platform with MATLAB
	1) Device Hive: Tot Made Easy
	57 Zetta: API- First IOT Platform
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ES&IOTL

Subject code 310252 Subject:

Analytics







Actions













Ixaa features -
1) Manage an unlimited platform no. of connected devices.
2) Platform real-time device monitoring.
3) Collect and analyze sensor data.
Sitewhere features-
1> Spring delivers the core configuration framework.
2) Default database storage is Mongoob.
3> HBase for non-relational data store.
Thingspeals features-
1> Collect data in private channels.
 e> MATLAB analytics and visualizations.
 3> Worldwide community
DeviceHive features-
1> Directly integrate with alexa.
3 Connect any device via REST APE, Web sockets
3> Visualization dashboard of your choice.
Zetta features
17 Built awund Node.js, REST, Websourets.
3 supports wide range hauker boards.
3> Zetta allows you to assemble smartphone apps,
device apps, cloud apps.
 Conclusion -
Thus, we have designed small application using Thingspo