

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ECE



AWARENESS PROGRAM FOR IOT PLATFORM AND ITS APPLICATIONS

DATE: 09/06/2021

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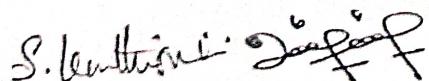
CIRCULAR

05.06.2021

One day awareness program on “IOT PLATFORM AND IT'S APPLICATIONS” is scheduled to be conducted on 09.06.2021. This seminar gives a foundation in the Internet of Things, including the components, tools, and analysis by teaching the concepts behind the IoT and a look at real-world solutions. Henceforth, students are requested to attend this program and get benefitted.

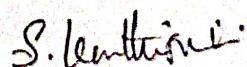
Resource Person:

Mrs.R.Rajeshwari
Technical Head
Silicon Networking and Technology
Bangalore.



Faculty Coordinators

Dr.S.Karthigai Lakshmi, Professor & Head / ECE
Dr.K.Vinod Kumar, AsP / ECE



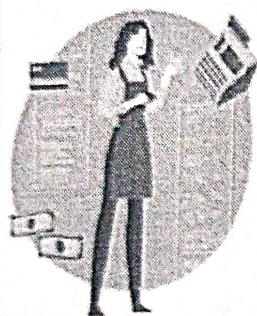
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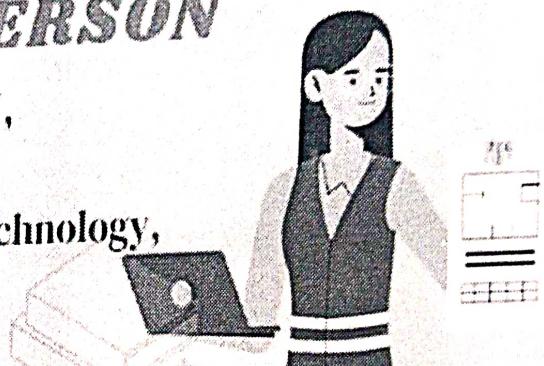
DEPARTMENT OF ECE

Awareness program for IoT platform and it's application



RESOURCE PERSON

Mrs.R.RAJESWARI,
Technical Head,
Silicon Networking and Technology,
Bangalore.



DATE : 09/06/2021
DAY : WEDNESDAY
TIME : 11.30 TO 12.30 PM
MODE : ONLINE

FACULTY COORDINATORS

Dr.S.KARTHIGAI LAKSHMI,
professor & Head / ECE
Dr.K.VINOTH KUMAR,
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PRINCIPAL

Dr.D.SENTHILKUMARAN

- » Medical IoT
- » Need of Medical IoT
- » E-Health and Medical IoT
- » Medical IoT Applications
- » Pros and Cons of IoT in medical Field
- » 4 -layered healthcare model for IoT
- » Applications development -examples

» Internet of Things in Hospitals

Hospital has the potential to locate patients, medical staff and visitors that further enhances the concept of smart hospitals.

» Collection and Integration of Clinical Data

Collection and integration of clinical data include many technologies. The IoT is making this process more streamlined and effective. The data generated from medical observations can be collected and communicated as never before giving time and resources by shortening priorities for the future.

• *Smart sensors and sensors in mobile devices can collect and store data from various sources.*



» Medical IoT technologies are able to automatically gather necessary information from patients and detect possible diseases - early diagnosis.

» The Internet of Things can have a great impact on the creation of more personalized and patient-oriented medicine - customized therapy.

» Smart Sensors



E-health based on networked I.C.T devices
of the humans operated
by the humans
for human healthcare and wellness

Internet of Medical Thing is the network
of the 'smart-devices', operated
by the devices

» Hacking Block Chain data - *Impossible*
Secure transactions, safe data storage, secure
data

» Machine Learning - *Highly Precise*
Extracting information, Cutting Edge Analysis
Decision Making

Risks IoT can bring



Privacy of
patients



Accidental
failures



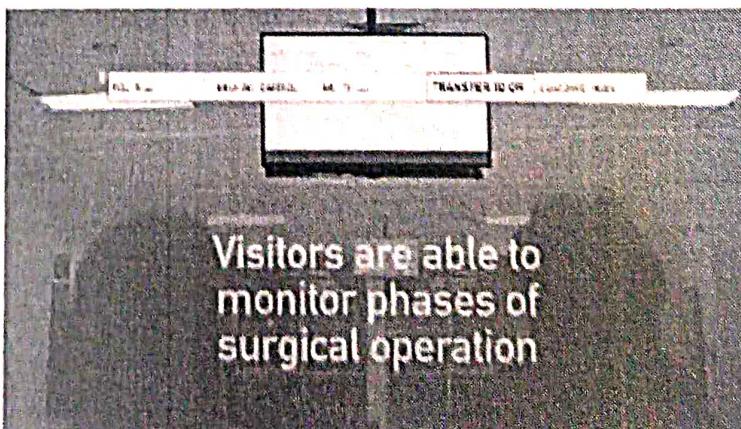
Malware



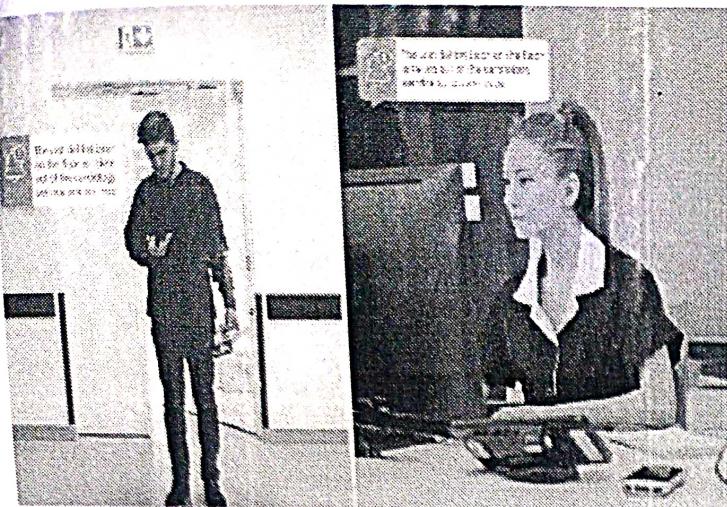
Lack of
encryption

Create rules and
manage your assets
automatically

IoT for Healthcare

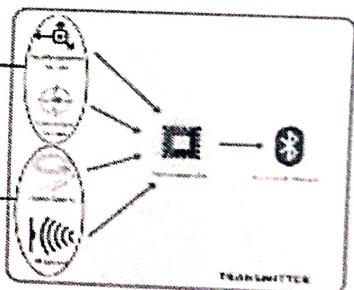


Visitors are able to
monitor phases of
surgical operation

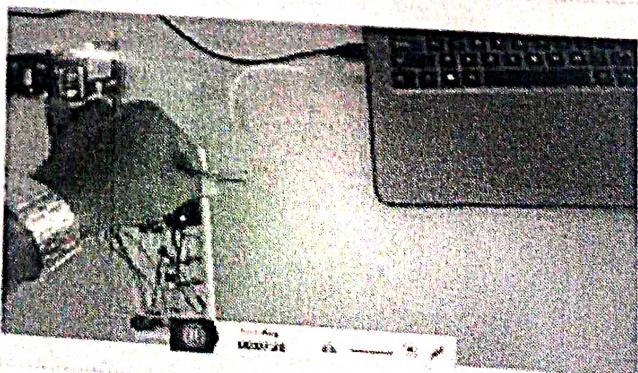


Product Design :

- Sensors embedded inside the bracelet band
- Sensors placed in the Bathroom
- From the person, the data is fetched into microcontroller using sensors which in return sent to the server using Bluetooth module.

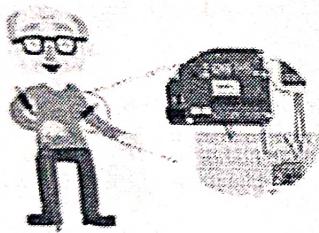
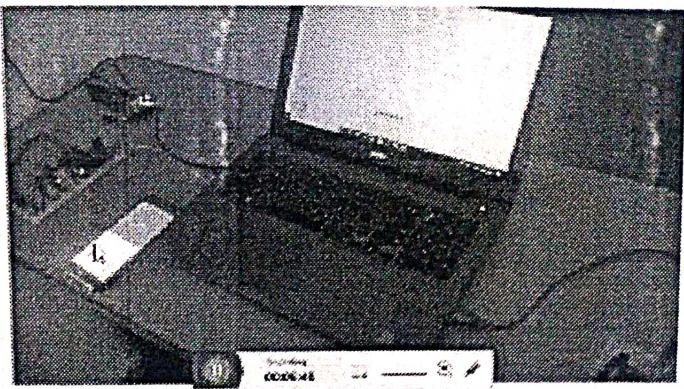
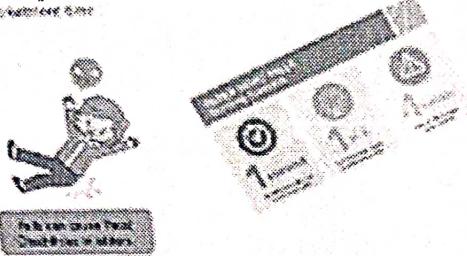


The Demo!



Statement:

- Falls account for 25.2% in the mortality rate of the elderly people
- Lack of personal care and the total assistance required by the old aged ones is the next cause for only in the healthcare area.



Smart HealthCare – ADM and Fall Detection. (Both As Examples)

An autonomous and fully functional fall detection system through IoT.



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	Amritha M					FEBRONIA JEROME		
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College Name *

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- II ECE A
- II ECE B
- II ECE C
- III ECE A

The workshop helped me to learn how to work effectively with my peers in a workshop setting *

- Strongly Agree
- Agree
- Disagree
- Strongly Disagree

The information and/Or skills presented were relevant and useful *

- Strongly agree
- Agree
- Disagree
- Strongly Disagree

The presenter(s) provided adequate time for questions and answered them satisfactorily *

Workshop objectives were stated clearly and met *

- Strongly Agree
- Agree
- Disagree
- Strongly Disagree

The workshop was well organized *

- Strongly Agree
- Agree
- Disagree
- Strongly Disagree

- Agree
- Disagree
- Strongly Disagree

The presenter(s) provided adequate time for questions and answered them satisfactorily *

- Strongly Agree
- Agree
- Disagree
- Strongly Disagree

Send me a copy of my responses.

Submit

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