A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited with 'B' Grade by NAAC)

(Affiliated to Adikavi Nannaya University)

Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

స్త్రీ విద్యాప్రవర్ధతాం

DEPARTMENTAL SEMINAR

2018-2019

A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (A)

Jagannaickpur, Kakinada

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2018-2019

Date	
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Departmental Seminar
Title of the Activity	Programming Constructs and Latest Technologies
Name of the Department/Committee	**COMPUTER SCIENCE**
No. of students participated	06
Brief Report on the activity	To enable the students identify the significance of various Programming Constructs and Data Structures and latest technologies.
Name of the Lecturers who Planned & conducted the activity	N. Naga Subrahmanyeswari G.Satya Suneetha
Signature of the Dept. In-Charge /Convener of the Committee	N.N.S.Eswari I/C-CHARGE DEPT. OF COMPUTER SCIENCE A.S.D.GOVT.DEGREE COLLEGE(W)(AUTONOMOUS) KAKINADA
Signature of the Principal	H. Suvarchala PRINCIPAL A.S.D.GOVT.DEGREE COLLEGE (W) AUTONOMOUS KAKINADA
Remarks	

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICKPUR, KAKINADA.

స్త్రీ విద్యా ప్రవర్ధతాం

DEPARTMENT OF COMPUTER SCIENCE

DEPARTMENTAL SEMINAR
2018-2019

The Department of Computer Science had organized a Departmental Seminar for II B.sc and II B.com students. The following students had participated in the seminar on 30-01-2019 at 10:00 A.M. in Computer Lab-II.

S.No	Name of the Students	Group	Topic	Signature
1	T.Maha Lakshmi	II B.Sc	Types of Data Structures	T. mahalakshmi
2	M.Saranya	II B.Sc	Stacks	M. Saranya
3	M.Satya Sowmya	II B.Sc	Data Structures	M. Satya Sowmya
4	B. Udaya Sreeja	II B.com	Control Structures	B. UdayaSreeja
5.	G.Naga Sai	I B.Sc	Artificial Intelligence	G. Naga Sai
6.	M.Alekhya	I B.Sc	Internet of Things	M. Alekya

The Lecturers who organized the seminar are:

Name of the Lecturers

1. N.Naga Subrahmanyeswari
2. G.Satya Suneetha

N.N.S. Eswari
Signature of the HOD
IN - HARGE
DEPT OF COMPUTER SCIENCE
ASDGOVT. DEGREE COLLEGE (W) AUTONOMOUS
KAKINADA

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICKPUR, KAKINADA.

స్త్రీ విద్యా ప్రవర్ధతాం

DEPARTMENT OF COMPUTER SCIENCE

Departmental Seminar

The students who attended the Departmental Seminar:

S.No	Name of the Students	Class	Signature
1.	M. Saranya	II BSc (MPCS)	M. saranya
2.	Md. Nafisa	II BSc (MPCS)	Md. Nafisa
3.	P. Sandhya Durga	II BSc (MPCS)	P. Sandhya Durga
4.	p. Suvarna	II BSc (MPCS)	p. Suvarna
5.	G. Damayanthi	II BSc (MPCS)	G. Damayanthi
6.	T. veera veni	II BSc (MPCS)	T. Veera veni
7.	P.S.D. prasanna	II BSc (MPCS)	P.S.D. Prasanna
8.	S.V.S. kranthi	II BSc (MPCS)	S.V.S. kranthi
9.	K.V.D. Bhavani	II BSc(MPCS)	K.V.D. Bhavani
10.	S. Rani	II BSc (MPCS)	S. Rani
11.	N. satya lakshmi	II BSc(MPCS)	N. satya lakshmi
12.	K. Bhavani	II BSc(MPCS)	K. Bhavani
13.	K. Monika	II BSc(MPCS)	K. Monika
14.	A. Gayathi	II BSc(MPCS)	A. Gayathi
15.	B. Kusuma	II BSc(MPCS)	B. Kusuma
16.	D. Ramaswi	II (BSc(MPCS)	D. Ramaswi
17.	S. Sibisha	II (BSc(MPCS)	S. Sibisha
18.	N. Bhargavi	II (BSc(MPCS))	N. Bhargavi
19.	T. Mahalakshmi	II (BSc(MPCS))	T. Mahalakshmi
20.	S. Sibisha	II (BSc(MPCS))	S. Sibisha

N.N.S. Eswari
Signature of the HOD
I/C HARGE
DEPT OF COMPUTER SCIENCE
ASD GOVT DEGREE COLLEGE (W) (AUTONOMOUS)
KAKINADA

M.Alekhya,I B.Sc.(MPCS) presenting seminar on IoT

G.Naag Sai, I B.Sc.(MPCS) presenting Seminar on Artificial Intelligence

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Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

DEPARTMENTAL SEMINAR

on

INTERNET OF THINGS

Submitted By

M.ALEKHYA

I B.SC (M.P.CS.)

INTERNET OF THINGS

PRESENETED BY
G.NAGA SAI
I B.SC.(MPCS)

CONTENT

1. Introduction
2. Benefits of IoT
3. Application and use of IoT
4. IoT challenges
5. What needs to be done?
6. Top IoT technologies and trends
7. Future of IoT
8. Q&A

INTRODUCTION – WHAT IS IOT?

- The Internet of things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction - ***IoTAgenda***
- A ***thing*** in the IoT can be a person with a heart monitor implant, a farm animal with a biochip transponder, an automobile that has built-in sensors to alert the driver when tire pressure is low or any other natural or man-made object that can be assigned an IP address and is able to transfer data over a network.
- IoT is a sensor network of billions of *smart devices* that connect people, systems and other applications to collect and share data.

INTRODUCTION – CONT'D

- IoT is a concept of connecting any device with an on and off switch to the Internet (and/or to each other). This includes everything from cellphones, coffee makers, washing machines, headphones, lamps, wearable devices and almost anything else you can think of. This also applies to components of machines, for example a jet engine of an airplane or the drill of an oil rig – ***Forbes***.
- The IoT is a giant network of connected "things" (which also includes people). The relationship will be between people-people, people-things, and things-things.
- The dominant *consumer IoT device*, worldwide, is the smart TV. Between 25-35% cent of consumers worldwide own a television that can connect to the Internet, according to a Deloitte research. However, other areas of the IoT market are growing rapidly.

WHY IOT?

- Organizations in a *variety of industries* are using IoT to operate more efficiently, better understand customers to deliver enhanced customer service, improve decision-making and increase the value of the business.

IOT ECOYSTEM

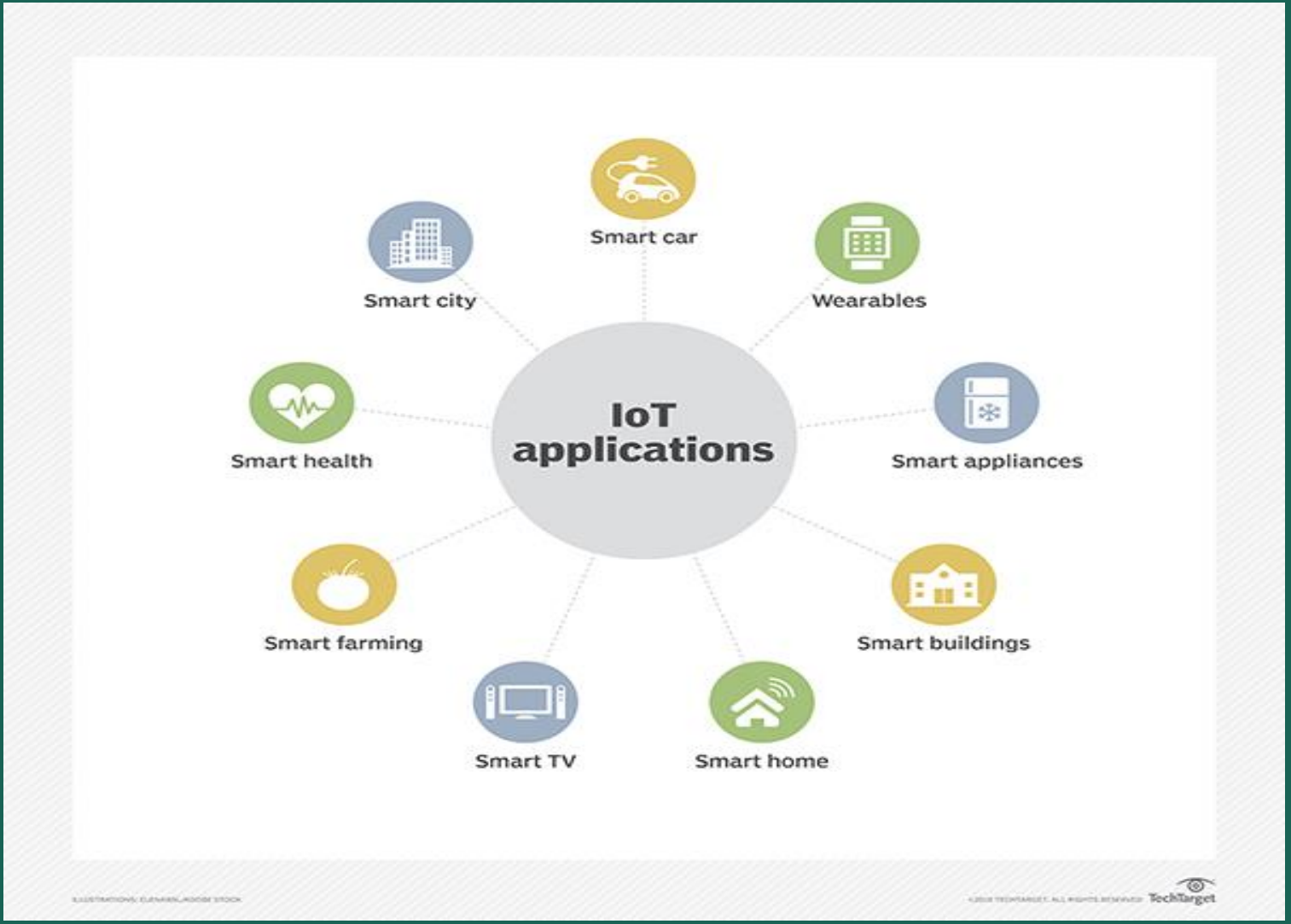
- An IoT ecosystem consists of web-enabled smart devices that use embedded processors, sensors and communication hardware to collect, send and act on data they acquire from their environments.
- IoT devices share the sensor data they collect by connecting to an IoT gateway or other edge device where data is either sent to the cloud to be analyzed or analyzed locally.

BENEFITS OF IOT

IoT offers a number of benefits to organizations, enabling them to:

1. Monitor their overall business processes;
2. Improve the customer experience;
3. Save time and money;
4. Enhance employee productivity;
5. Integrate and adapt business models;
6. Make better business decisions; and
7. Generate more revenue.

CONSUMER AND ENTERPRISE IOT APPLICATIONS



Source: https://internetofthingsagenda.techtarget.com/definition/Internet-of-Things-IoT

SMART FARMING: USE OF IOT TO IMPROVE AGRICULTURE

- In IoT-based smart farming, a system is built for monitoring the crop field with the help of sensors (light, humidity, temperature, soil moisture, etc.) and automating the irrigation system. The farmers can monitor the field conditions from anywhere. This is highly efficient compared to the traditional/conventional approach.
- In terms of environmental issues, IoT-based smart farming provides great benefits including: better and efficient water usage, and optimization of inputs and treatments.
- Therefore, smart farming based on IoT technologies enables growers and farmers to reduce waste and enhance productivity.
- Some of the IoT applications in this area are:
  i. Precision farming
  ii. Agricultural drones
  iii. Livestock monitoring
  iv. Smart greenhouses

IIOT IN MANUFACTURING

1. **Digital/connected factory**: IoT enabled machinery can transmit operational information to the partners like original equipment manufacturers and to field engineers.
2. **Facility management:** The use of IoT sensors in manufacturing equipment enables condition-based maintenance alerts.
3. **Production flow monitoring:** IoT in manufacturing can enable the monitoring of production lines starting from the refining process down to the packaging of final products.
4. **Inventory management:** IoT applications permit the monitoring of events across a supply chain.

Thank You