

Yashwantrao Chavan College of Science, Karad


Department of Electronics

Student Seminar -2019-20


Class – B.Sc.III

INDEX

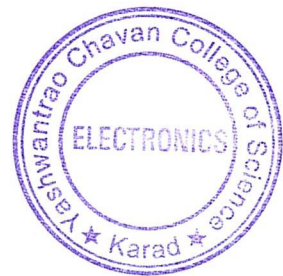
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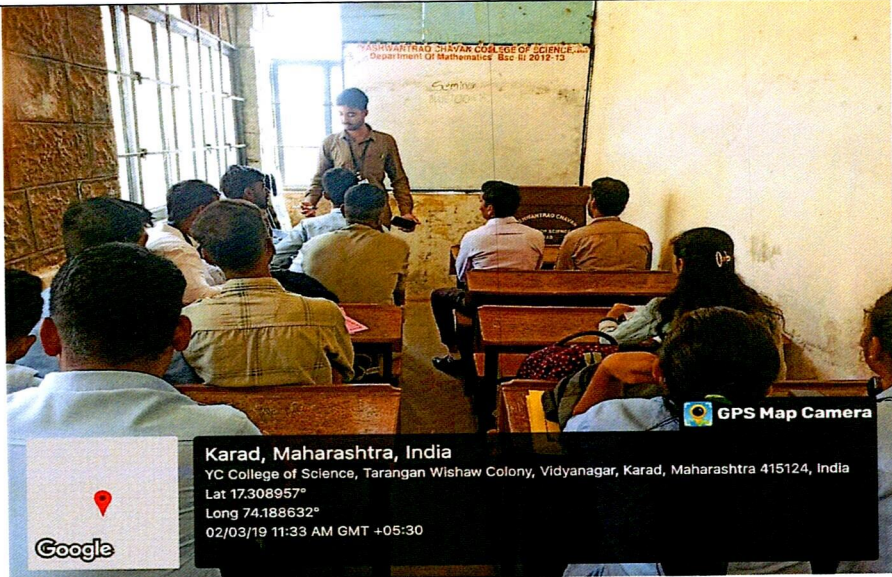

HOD


Department of Electronics
Yashwantrao Chavan College of Science,
Karad



Principal

Yashwantrao Chavan College of Science, Karad

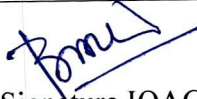



Yashwantrao Chavan College of Science, Karad	
ACTIVITY REPORT	
Name of the Department: Electronics	Academic Year – 2019-20
Name of the activity	B.Sc. III Electronics Students Seminar
Purpose of Program	To impose presentation skill in a student To impose stage daring in a student
No. of Students Participated	29
No. of Teachers Participated	05
Program outcomes	1) A well Trained Students 2) A student with high Presentation skill
Program Photo	 <div data-bbox="518 1384 667 1518"> </div> <div data-bbox="689 1384 1369 1496"> <p>Karad, Maharashtra, India YC College of Science, Tarangan Wishaw Colony, Vidyanagar, Karad, Maharashtra 415124, India Lat 17.308957° Long 74.188632° 02/03/19 11:33 AM GMT +05:30</p> </div>


 Teacher In charge


 Signature
 Head of the Department

HEAD
 Department of Electronics
 Yashwantrao Chavan College of Science,
 Karad


 Signature IQAC
 Co-ordinator


 Signature
 Principal
Principal
 Yashwantrao Chavan College of Science, Karad

Yashwantrao Chavan College of Science, Karad

Department of Electronics

Student Seminar 2019-20

Class: -B.Sc.III

Notice

Date : 12/01/2020

All students of the B.Sc. III class are informed that, a student seminar is arranged on 19/01/2020 at 1:00 pm in the electronics department. It is compulsory for all students. All should note and follow.


HEAD
Department of Electronics
Yashwantrao Chavan College of Science,
Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Electronics

Students Attendance B.Sc. III 19-20

Name of the Activity: Students Seminar

Date: 24/01/2020

Sr. No.	Students Name	Class	Signature
1.	Pathan Ayesha Asif.	B.Sc III	<u>Pathan</u>
2.	Dhumal Anuradha	B.Sc III	<u>Dhumal</u>
3.	Yadav Pooja Sanjay	B.Sc III	<u>P.S. Yadav</u>
4.	Kadam Vikrant vasant	B.Sc III	<u>Kadam</u>
5.	Patil Sonali Jaywant	B.Sc III	<u>Patil</u>
6.	Desai Omkar	B.Sc III	<u>Desai</u>
7.	Patil Sunita Ankush	B.Sc III	<u>Patil</u>
8.	Kazi Shanno	-11-	<u>Kazi</u>
9.	Kamble Vikrant Jaywant	-11-	<u>Vikrant</u>
10.	Etane Shubham Bajirao	B.Sc III	<u>Etane S.B</u>
11.	Jadhav Kalyani Rajaram	-11-	<u>Jadhav</u>
12.	Maze Rutuja Narvath	-11-	<u>Maze</u>
13.	Deshmukh Rutuja	-11-	<u>R.S. Deshmukh</u>
14.	Atakore Aakash	-11-	<u>Atakore</u>
15.	Mali Akash Prakash	-11-	<u>Mali</u>
16.	Chavan Shesha Dipak	-11-	<u>Shesha</u>
17.	Kumbhar Shubham	-11-	<u>Kumbhar</u>
18.	Pawar Pranita Prakash	B.Sc III	<u>P.P. Pawar</u>
19.	Nikam Ashwini Sumbhaji	-11-	<u>Nikam</u>
20.	Nikam Kranti Vijay	-11-	<u>Nikam</u>
21.	Mali Vidya Yashwant	-11-	<u>mali. v. y</u>

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Electronics

Students Attendance B.Sc. III 19-20

Name of the Activity: Students Seminar

Date: _____

22.	Ranmale Pooja Bhaat	BSC III	<u>Pooja</u>
23.	Pawar Shital Ashok	B.Sc III	<u>Pawar</u>
24.	Surve Tanuja Iahu	B.Sc III	<u>Surve</u>
25.	Yedge Rutuja Sanjay	BSC III	<u>Yedge</u>
26.	Sawant Ketan Dipak	B.Sc III	<u>Sawant</u>
27.	Pawar Jyotika Shankar	BSC III	<u>S. S. Pawar</u>
28.	Chavan Ashwini Mohan	B.Sc III	<u>A. M. Chavan</u>
29.	Salunkhe Sanchita Udhav	BSC III	<u>S. U. Salunkhe</u>
30.			
31.	Sawant Ketan Dipak	B.Sc III	B.Sc III
32.			



HEAD

Department of Electronics
Yashwantrao Chavan College of Science,
Karad



Principal

Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE KARAD

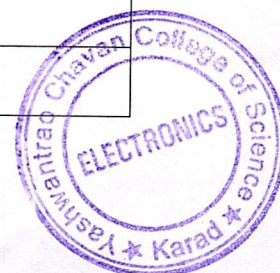
DEPARTMENT OF ELECTRONICS

Seminar Report

B.Sc.III

Academic Year 2019 -20


Sr.No.	Name of student	Seminar Title
1.	Atkare Akash Bhawan	Mi-Fi
2.	Chavan Ashwini Mohan	Wi Max
3.	Chavan Shridhar Dipak	Touch screen technology
4.	Desai OmkarSayajirao	Nano robotics
5.	Deshmukh Rutuja Sampat	EEG
6.	DhumalAnuradhaShivajirao	Li-Fi technology
7.	JadhavKalyaniRajaram	Smart antenna Technology
8.	Kadam Vikrant Vasant	GSM
9.	Kamble Vikranth Jaywant	E-Waste
10.	Kazi Shanno Iqbal	Semiconductor Device
11.	Kumbar Shubham Pralhad	3d internet
12.	Mali Akash Prakash	Hotspot
13.	Mali vidya Yashwant	RAID
14.	Etane Shubham Bajirao	Zigbee
15.	More Rutuja Navnath	3G,4G,5G technology
16.	Nikam Ashwini Sambhaji	Wi-Fi
17.	Nikam Kranti Sanjay	GPS




18.	Pathan Ayesha Asif	OLED
19.	Patil Sonali Jaywant	Smart note taker
20.	Patil Sunita Ankush	Blue eyes Technology
21.	Pawar pranita Prakash	IP Technology
22.	Pawar Sarika Shankar	GPrs
23.	Pawar Shital Ashok	Mobile jammer
24.	Ranmale Pooja Bharat	Optical Internet
25.	Salunkhe Sachita Uddhav	Digital image processing system
26.	Savant KetanDipak	Ultra wide band
27.	Surve Tanuja Lahu	Bluetooth
28.	Yadav Pooja Sanjay	Smart phone
29.	Yedage Rutuja Sanjay	RFID


Teacher Incharge



HOD 
Head
Department of Electronics
Yashwantrao Chavan College Of Science, Karad

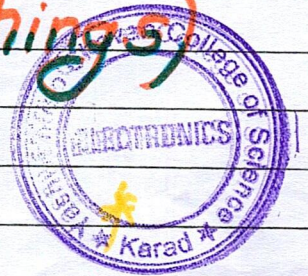

Principal
Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN
COLLEGE OF SCIENCE, KARAD
DEPARTMENT OF ELECTRONICS
- SEMINAR REPORT

NAME - SURVE SHIVANI
SUNIL.

STD - BSc II, ROLL NO - 3072

NAME OF SEMINAR TOPIC -
IOT - (Internet of Things)



ms
TEACHER
IN CHARGE

ms
EXAMINAR
Principal
Principal

ms
HEAD OF
DEPARTMENT.

Technological Challenges of IOT

At present IOT is faced with many challenges such as;

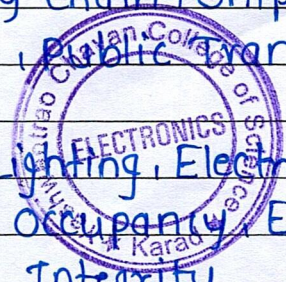
- Scalability
- Technological Standardization
- Inter operability
- Discovery
- Software Complexity
- Data volumes and interpretation
- Power Supply
- Interaction and short range Communication
- Wireless Communication
- Fault tolerance

TO → DIVERSE APPLICATIONS

HOME 8- Light bulbs, Security, Pet Feeding, CONSUMER Smoke Alarm, Refrigerator, Stove, Energy Monitoring, Washer & Dryer

TRANSPORT :- Traffic routing, Telematics, Smart MOBILITY Parking, Supply chain, Shipping Airline, Trains, Public Transport

BUILDINGS :- HVAC, Security, Lighting, Electrical, Emergency Alerts, Occupancy, Energy Credits, structural Integrity.



IOT - INTERNET OF THINGS

What is IOT ?

The Internet of Things (IOT) is the network of physical objects or "things" embedded with electronics, software, sensors and network connectivity, which enables these objects to collect and exchange data.

"Things" in the IOT sense, can refer to wide variety of devices such as heart monitoring implants biochip transponders on farm animals, electric clams in coastal waters, automobiles with built-in sensors. DNA analysis devices for environmental / food / pathogen monitoring or field operation devices that assist fire-fighters in search and rescue operation. IOT allows objects to be sensed and controlled remotely across existing network infrastructure, creating opportunities for more direct integration between the physical world and computer-based systems, and resulting in improved efficiency, accuracy and economic benefit.

History of IOT

The concept of the Internet of Things first became popular in 1999, through the Auto-ID Center at MIT and related market-analysis publications R.

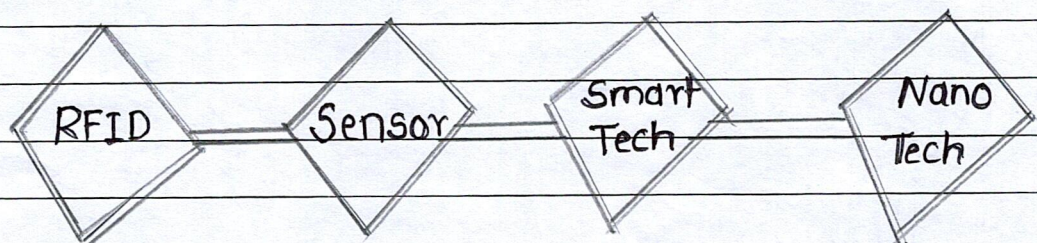
Radio-Frequency identification (RFID) was seen as a prerequisite for the IOT at the point. Using RFID the tagging of things may be achieved through such technologies as near field communication, barcodes, QR codes, bluetooth, and digital watermarking.

HOW IOT WORKS

Internet of Things is not the result of a single novel technology; instead several complementary technical developments provide capabilities that taken together help to bridge the gap between the virtual and physical world.

These capabilities include :-

- Communication and Cooperation
- Addressability
- Identification
- Sensing
- Actuation
- Embedded information processing
- Localization
- User interfaces



The Structure of IOT

The IOT can be viewed as a gigantic network consisting of networks of devices and computers connected through a series of intermediate technologies where numerous technologies like RFID, wireless connections may act as enablers of this connectivity.

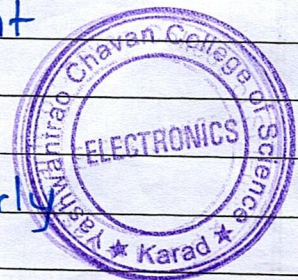
- Tagging Things :- Real time item traceability and addressability by RFIDs

- Feeling Things :- Sensors act as primary devices to collect data from the environment
- Shrinking Things :- Miniaturization and Nanotechnology has provided the ability of smaller things to interact and connect within the "things" or Smart devices"
- Thinking Things :- Embedded intelligence in devices through sensors has formed the network connection to the Internet. It can make the "things" realizing the intelligent control.

Few Applications of IOT

- Building and Home automation
- Manufacturing
- Medical and Healthcare Systems
- Media
- Environmental monitoring
- Infrastructure management
- Energy management
- Transportation
- Better quality of life for elderly

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Sample Feedback form

Yashwantrao Chavan College of Science, Karad

Department of Electronics

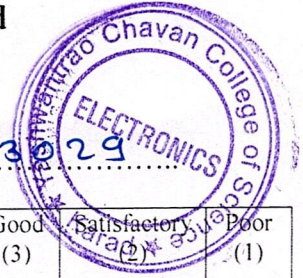
Feedback form

Name of the Activity- Students Seminar

Class: BSC-III

2019-20

Roll No. 3029



		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Subject Interest generated by Teacher Incharge	✓				
2	Support by Teachers during seminar	✓				
3	Behavior and help extended by the Non-teaching staff	✓				
4	Providing ICT facilities	✓				
5	Overall fulfilment and your expectations from the Department	✓				

Any other suggestions if any.....

Name of the Students Kale G. S.

Date: 24/02/2020

Sign. G. Skale

Sample Feedback Form

Yashwantrao Chavan College of Science, Karad

Department of Electronics

Feedback form

Name of the Activity- Students Seminar

Class:.....BSc-III.....

2019-20

Roll No.....3033.....



		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Subject Interest generated by Teacher Incharge	✓				
2	Support by Teachers during seminar	✓				
3	Behavior and help extended by the Non-teaching staff	✓				
4	Providing ICT facilities	✓				
5	Overall fulfilment and your expectations from the Department	✓				

Any other suggestions if any.....

Name of the Students.....chaven R.J.....

Date: 24/02/2020

Sign. R.J. chaven

Sample Feedback Form

Yashwantrao Chavan College of Science, Karad

Department of Electronics

Feedback form 2018-19



Name of the Activity- Students Seminar

Class: B.Sc. - III

Roll No. 3038

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Subject Interest generated by Teacher Incharge	✓				
2	Support by Teachers during seminar		✓			
3	Behavior and help extended by the Non-teaching staff	✓				
4	Providing ICT facilities					✓
5	Overall fulfilment and your expectations from the Department		✓			

Any other suggestions if any.....

Name of the Students Patil A.A.

Date: 29-01-2019

Sign. A.A. Patil

Yashwantrao Chavan College of Science, Karad

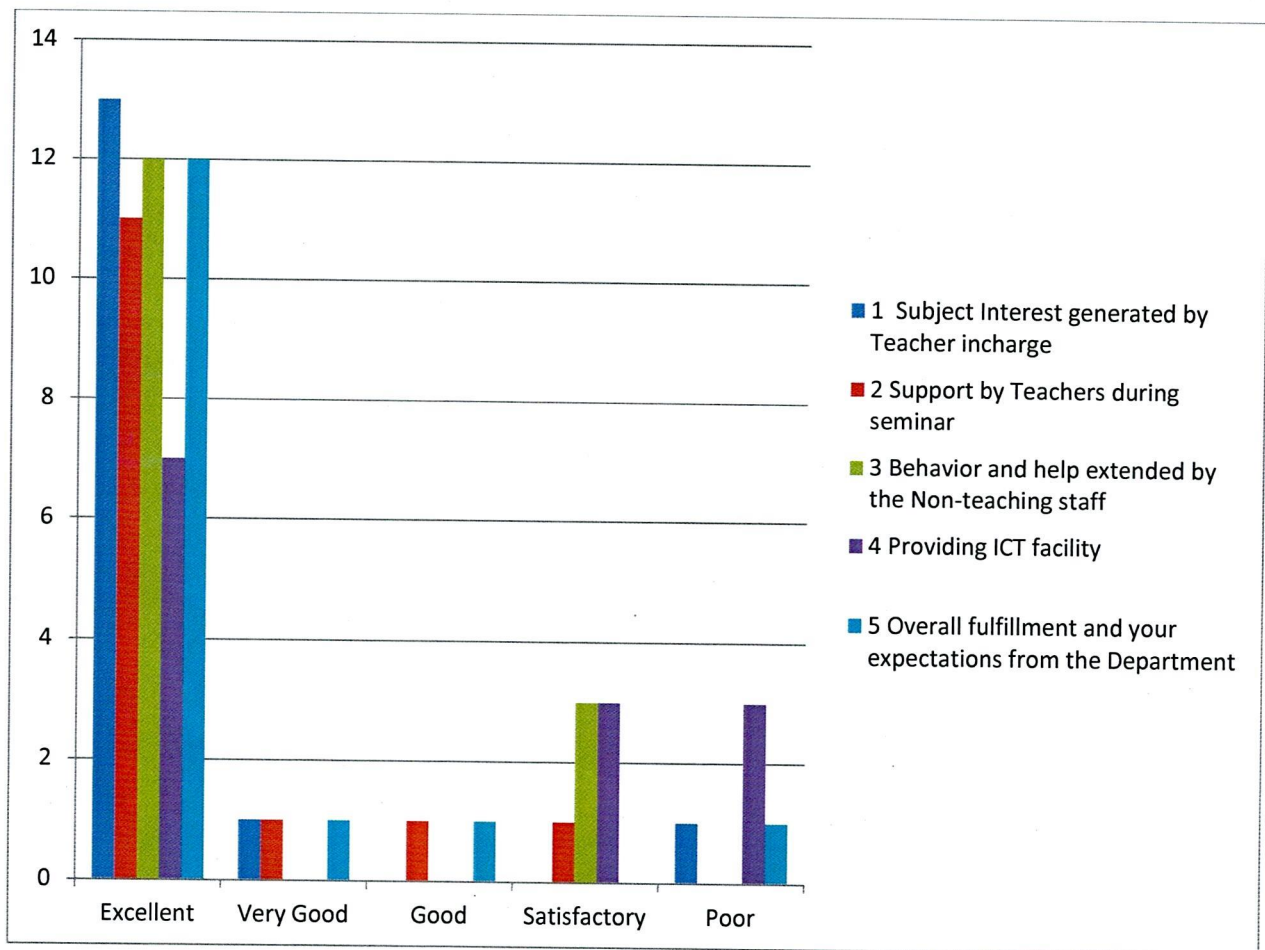
Department of Electronics.



Name of the Activity- Students Seminar B.Sc. III (2019-20)

No. of student - 29

		Excellent	Very Good	Good	Satisfactory	Poor
1	Subject Interest generated by Teacher incharge	13	1			1
2	Support by Teachers during seminar	11	1	1	1	
3	Behavior and help extended by the Non-teaching staff	12			3	
4	Providing ICT facility	7			3	3
5	Overall fulfillment and your expectations from the Department	12	1	1		1



[Signature]
Principal

Yashwantrao Chavan College of Science, Karad

[Signature]
HEAD

Department of Electronics
Yashwantrao Chavan College of Science,
Karad