Yashwantrao Chavan College of Science, Karad

Department of Electronics

Student Seminar -2018-19

Class – B.Sc.II

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HOD
HEAD
Department of Electronics
Yashwantrao Chavan College of Science, Karad

Principal
Yashwantrao Chavan College of Science, Karad

Yashwantrao Chavan College of Science ★ Karad ★ ELECTRONICS

Yashwantrao Chavan College of Science, Karad

ACTIVITY REPORT

Name of the Department: Electronics	Academic Year – 2018-19

Name of the activity	B.Sc. II Electronics Students Seminar
Purpose of Program	To impose presentation skill in a student To impose stage daring in a student
No. of Students Participated	17
No. of Teachers Participated	05
Program outcomes	1) A well Trained Students 2) A student with improved a presentation skill
Program Photo	

Teacher In charge

Signature
Head of the Department

HEAD
Department of Electronics
Yashwantrao Chavan College of Science,
Karad

Signature
Principal

Principal
Yashwantrao Chavan College of Science, Karad

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Department of Electronics

Student Seminar 2018-19

Class: -B.Sc.II

Notice

Date : 02/01/2019

All students of the B.Sc. II class are informed that, a student seminar is arranged on 5/01/2019 at 1:00 pm in the electronics department. It is compulsory for all students. All should note and follow.

Head

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Department of Electronics
Yashwantrao Chavan College of Science,
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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Electronics

Students Attendance B.Sc. II 18-19

Name of the Activity: Students Seminar

Date: 29/01/2019

Sr. No.	Students Name	Class	Signature
1.	Patil Sonali Jaywant	B.Sc II	Patil
2.	Nikam Ashwini Sambhaji	B.Sc II	Nikam
3.	Kazi shanno Iqbal.	B.Sc II	S.K. Kazi
4.	Pawar Pranita.	B.Sc II	P.A. Pawar
5.	Pathan Ayesha Asif.	B.Sc II	Apathal
6.	Desai Omkar	B.Sc II	Desai
7.	Salunkhe Sonchita.	B.Sc II	S.U. Salunkh
8.	Gadhave dipak shankar	B.Sc II	Dipak
9.	Pawar shital Ashok.	B.Sc II	S.A. Pawar
10.	Nagre Aishwarya	B.Sc. II	
11.	choran shridhar A.	B.Sc II	
12.	Ranamale pooja Bharat	B.Sc II	P.B. Ranamale
13.	Hinukale Vijay	—11—	Hinukale. V.H
14.	Yadav pooja sanjay	B.Sc II	SYadav
15.	Shinde Dipali Dinkar.	B.Sc II	Shinde
16.	Mali Vidya	B.Sc II	V.Y. Mali
17.	Dhumal Anuradha shivajirao	B.Sc II	Adhumal
18.	Shinde Abhishekh Baban	B.Sc II	Bshinde
19.	Mulla Nikhatpravin	B.Sc II	Nmulla
20.	Kadam Supriya	B.Sc II	S.S.K.
21.	Kamble Vikrant	B.Sc II	Vkamble

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Electronics

Students Attendance B.Sc. II 18-19

Name of the Activity: Students Seminar

Date: _____

22.	Surve Tanuja Lahu	B.Sc II	Surve.
23.	Jadhav Kalyani	B.Sc II	Jadhav.
24.	Patil Amruta Vikas	B.Sc II	Apatil.
25.	Deshmukh Rutuja	B.Sc.II	Deshmukh.
26.			

A A Mulla.

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Yashwantrao Chavan College of Science,

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE KARAD

DEPARTMENT OF ELECTRONICS

Seminar Report

B.Sc. II

Academic Year 2018-19

Sr.No.	Name of student	Seminar Title
1.	Chavan Ashwini Mohan	Arithmetic Circuit
2.	Chavan Shridhar Dipak	Automatic Solar Tracking System
3.	Desai Omkar Sayajirao	Screenless Display
4.	Deshmukh RutujaS ampat	Full Adder
5.	Dhumal Anuradha Shivajirao	Half Subtractor
6.	Gadhawe Dipak Shankar	Full Subtractor
7.	Hinukale Vijay Hindurao	4G Wireless System
8.	Jadhav Kalyani Rajaram	Mobile Communication
9.	Kadam Supriya Sahebrao	Face and Iris Recognition system
10.	Kadam Vikrant Vasant	Data Processing Circuit
11.	Kamble Vikranth Jaywant	Multiplexers
12.	Kazi Shanno Iqbal	Semiconductor Device
13.	KumbarShubhamPralhad	Decoders
14.	Mali AkashPrakash	Encoders
15.	Mali vidyaYashwant	Type of Flip -Flop

16.	Mulla Nikhatparvin Nurmohammad	Load regulation
17.	More Rutuja Navnath	Zener Diode
18.	NangareAishwarya Shankar	In Car Sensor
19.	NikamAshwiniSambhaji	Unijunction Transistor
20.	Nikam Kranti Sanjay	AstableMultivibrator Using IC 555
21.	NitinBabanSalunkhe	LCD Display
21.	Pathan Ayesha Asif	Microcontroller
22.	PatilAmrutaVikas	Wireless Headphone
23.	PatilSonaliJaywant	Flexible Electron Skin
24.	PatilSunitaAnkush	Superposition theorem
25.	PawarpranitaPrakash	Bluetooth Technology
26.	PawarSarika Shankar	Star and delta Network
27.	PawarShital Ashok	4G wireless System
28.	RanmalePooja Bharat	Concept of Current
29.	SalunkheSachitaUddhav	Kirchhoff's Current Law
30.	ShindeAbhishekBaban	Kirchhoff's Voltage Low
31.	ShindeDipaliDinkar	Sensors
32.	Savant KetanDipak	Node analysis
33.	SurveTanujaLahu	Bluetooth Technology
34.	YadavPooja Sanjay	Fild Effect Transistor(FET)

Teacher Incharge

Yashwantrao Chavan College of Science ★ Karad ★ ELECTRONICS

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Yashwantrao Chavan College of Science, Karad

DATE - 31-1-19

Name : PAWAR SHITAL ASHOK

Class : B.Sc. II

Batch : A-3

Roll No. : 1019

Subject : Electronic

(Seminar Report)

Principal
Yashwantrao Chavan College of Science, Karad

Teacher in-charge

External Examiner

Head of the Department

Yashwantrao Chavan College of Science ★ Karad ★ ELECTRONICS

A-1

Introduction

4G Wireless Systems.

This paper is about an emerging wireless techology 4G. the main purpose of designing 4G technology is to manage data through wireless communication at high speed which is much more when compared to that of any existing wireless techologies. In cellular Network, data access to a wide variety of devices can be possible with the help of 4G. Now-a-days, rapid growth of wireless techologies drives the entire market. 3G system overcome the drawbacks of 2G.

Wireless mobile communications system are uniquely identified by 'generation designations. Introduced in the early 1980s. First generation (1G) system were marked by analog frequency modulation and used primarily for voice communications. second generation (2G) wireless communications system, which made their appearance in the late 1980s, were also used mainly for voice transmission and reception.

The wireless system in widepread use today goes by the name of 2.5G - an 'in between' service that serves as a stepping stone to 3G. whereby 2G communications is generally associated with Global system for mobile (GSM) service, 2.5G is usually identified as being 'fueled' by General Packet Radio services (GPRS) alonge with GSM.

In 3G systems, making their appearance in late 2002 and 2003, are designed for voice and paging services, as well as interactive media use such as teleconferncing Internet access, and other services. the ploblem with 3G wireless system is bandwidth - these system provide only WAN coverage ranging from 144 kbps to 2 mbps. seugue to 4G the 'next dimension" of wireless communication.

The 4G wireless uses orthogonal frequency Division multiplexing (OFDM), Ultra wide Radio Band and Millimeter wireless and smart antenna. Data rate of 20 mbps is employed. mobile speed will be up to 200 km/hr. Frequency band is 2 & GH2. it gives the abilit for worldd wide roaming to acess cell anywhere.

ABOUT 4G :

This new generation of wireless is intended to complement and replace the 3G systems. Accessing information anywhere, anytime, with a seamless connection to a wide range of information and services and receiving a large volume of information, data, pictures, video and so on, are the keys of the 4G infrastructures. The future 4G infrastructures will consist of a set of various network using IP (internet protocol) as a common protocol so that users are in control because they will be able to choose every application and envirement. Based on the devoloping trends of mobile communication, 4G will have broader bandwidth, higher data rate, and smoother and quicker handoff and will focus on ensuring seamless service across a multitude of wireless system and networks.

The key concept is integrating the 4G capabilities with all of the existing mobile technologies through advanced technologies.

connection with the network applications can be transferred into various forms and levels correctly and efficiently. the dominant methods of acess to this pool of information will be the mobile telephone, PDA and laptop to seamlessly acess the voice communication high-speed information services and entertainment broadcast services.

The fourth generation will encompass all systems from various networks. public to private, operator driven broadband networks to personal areas, and ad hoc networks. the 4G system will interoperate with 2G and 3G systems as well as with digital brodcasting systems. in addition 4G systems will be a fully IP-based wireless Internet.

This all-encompassing integrated perspective shows the broad range of systems that the fourth generation intends to integrate, from satellite broadband to high altitude platform to cellular 3G and 3G systems to WLL and FWA to WLAN and PAN.

Features

- Support for interactive multimedia, voice, streaming video, internet and other broadband services.
- IP based mobile system.
- High speed, high capacity, and low cost per bit.
- Global access, services probability, and scalable mobile services.
- seamless switching, and a variety of quality of service driven services.
- Better scheduling and cell admission control techniques.
- Better spectral efficiency.
- An infrastructure to handle pre existing 3G systems along with other wireless techologies, some of which are currently under development.

Advantages

in 4G Wireless System.

Some of the main objectives of 4G are, it will be a IP based integrated system, it should be able to provide speed capacity of 100 M bits/s to 1 G bits/s, should also provide dynamic packet assignment. some of the main key technologies required for the development of 4G are, OFDM techology i.e. orthogonal frequency division multiplexing which is an modulation technique which sub divides the channel into equally spaced frequency band this technique is able to transmit data simultaneously in a large no of channels.

Conclusion

4G is emerging as the next wireless standard and available to the user at low cost. 4G technology has the capability to overcome all the issues faced by users with wireless techology.

The mobile techology though reached only at 2.5 G now, 4G offers us to provide with a very efficient and reliable wireless communication system for seamless roaming over various network including internet, which uses IP network. The 4G systems will be implemented in the coming years. which are a miracle in the field of communication engineering technology.

Yashwantrao Chavan College of Science, Karad

Department of Electronics

Feedback form

Name of the Activity– Students Seminar

Class:..B.Sc.II..... Roll No..1011.....

		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.....Vidya Yashwant Mali.....

Date: 29/01/2019 Sign. Mali V.Y.

Yashwantrao Chavan College of Science, Karad

Department of Electronics

Feedback form

Name of the Activity– Students Seminar

Class:.....B.Sc.II..... Roll No.....1023.....

		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.....Shinde Dipali Dinkar.....

Date: 29/01/2019 Sign. Shinde

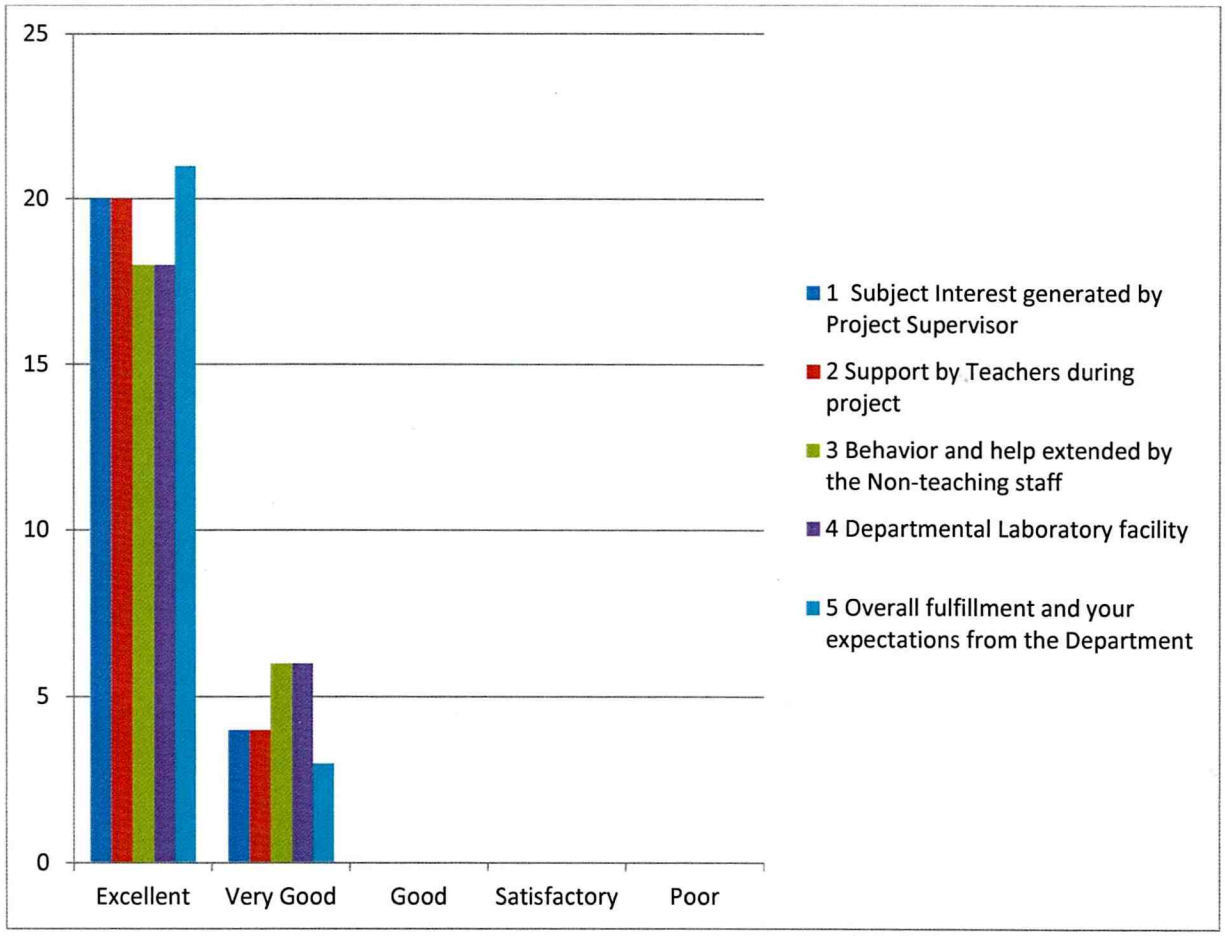
Yashwantrao Chavan College of Science, Karad

Department of Electronic

Name of the Activity– Students Seminar B.Sc. II **(2018-19)**

No. of Student - 25

		Excellent	Very Good	Good	Satisfactory	Poor
1	Subject Interest generated by Supervisor	20	4			
2	Support by Teachers during Seminar	20	4			
3	Behavior and help extended by the Non-teaching staff	18	6			
4	Departmental Laboratory facility	18	6			
5	Overall fulfillment and your expectations from the Department	21	3			



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