181240116001 vishwas Advanya Wireless Communication Assignment :- I Write about Evolution of mobile setupo commun. - ications. Ans-When we describe mobile communications, we refers to the overall technology, speed, frequency and system in numeric generations such as 30,400 08 5 Gt. - Each generation have unique technologies that define them. - This blog explores and explains the differences throughout the evolution of mobile communication and what we can expect from the fiture generations of these technologies Ice :- The very first generation of commercial cetholog network was introduced in the late 70's with fully implemented standards being established throughout the 80's. . 26 :- The second generation saw the introduction of GSM (Grobal System for Mobile Communication) technologies as a strondroid in the every - 2.5 Gr :- Between the year 2000 and 2003, an upgrade in technologies introduced the packet network which provided high speed data transfer and internet and became known as 2.5 G. The standards Included GPRS and EDGE

(YASH)

Royal Eco

Date: 9

36: Introduced commercially in 2001, the goals
set out for third generation mabile
communication were to facilitate greater
voic and abota capacity, support a wider
range of applications, and increase data
transmission at a lower cost.

"I Go: Initiated in 2010, the fourth generation is an all TP based network system. Then purpose to to provide high speed, high quality and high capcity to users while improving security and lower the cost of voice and data services, multimedia and internet over TP

cellular network, set to greatly increase intercet connectivity speeds. At this time, there aren't any publicly agreed definited standards that have been set as the with previous generations so not a great deal of infromation is known about the specific technologies that are going to be used.

2) write note on Composison of common whiches system in detail.

And Witteless communication technology to son unseen impact on all of our lives each day.

If you have a business, you may wonder, how you can make the best use of the

(YASH)

Date: Various types of wireless communication, 4. SATELLITE COMMUNICATION - It is a rougial form of wireless communication because people all over the earth con earmunicate with each other -It may not be possible to send a signal to another rountry because, well, the curvature Of the earth is in the way. Their is one reason why satellites are arbiting the earth because they can send a signal amongst themselves and eventually to the distant country. All of this at an incredibly fast speal. 2. INFRARED COMMUNICATION It is present in most homes in the form of a television remote control. - IR transmits information by means of envisible light. This means that on the electromagnetic spectrum it lies between microwoves and visible light. It requires a transmitter and a photoreceiver to seceive the light beam. Since any dissuption to the light will result in the photoseceives not receiving it, IR will only function when these is a line of sight visiblity. That means that if you stand between the transmatter and receiver It will probably not work Royal Eco

Date: h 3. BROADCAST RADIO - Radio transmitters send out data in the form of radio waves to seceiving antennae Radio waves are forms of electromagnetic signals. Signals are relatively norrow, and waves non be sent across borious Rrequencies. This is why your car radio is able to receive signals from many different radio stations 4 MICROWAVE COMMUNICATION - It has two types in · Satellite Microwave Comm. La This require a clear rice of sight. This means that if you want to send a signal over a long distance, sending it up to a s'atellite first is a good idea. to The only problem is that in very dense cloudy weather the signal to the satelliek or can be blocked by atmospherics · Terrestrial Microwave Comm 1) Mins It can be a very secure form of Communication. If a signal needs to be transmitted over a short distance it can be enough to exect two antennae with a clear line of sight. 15 The signal can then be transmitted between the two receivers. This negates the need to connect to an outside network. YASH Royal Eco

Date:

5. W:- F?

It is a low powered wireless electronic network. These are available in almost every shopping mall and cafe in the world. Essentially a physical wired network es connected to a souter. This creates a highly localized and low power wireless

& Mobile Communication Systems

1- The burgeoning mobile phone industry uses smiles technology to Wi-Fi but on a much grander and safer scale. Mobile phone companies provide coverage to customers notionwide or even international scale.

7. Bluetouth Technology

- It is a simple method to send information across a short distance However this info. can include either messages or even files

3/ Explain Second generation Cellular Network Thisa Generation (36) Wisdess Networks in

Ave-First of Second Generation Metwork is 26 and third Generation Metwork is 36. Now let discuss 24 and 34 in detail.

	Date:
	that uses a wixeless link to connects
	subscribes to the local telephone station
	in place of conventional cappes wise
	the state of the s
1>	In Fixed Wireless Acress System the
	wireless local loop is popular WIL is
	also called as Fixed wireless 100p.
	the state of the s
۲>	The function of a WIL is to make
	poimagy acress to local dedephone
	station using wiseless link
Lay	There are two types of concepts:
174 26	· Massowband WLL - offers a replacement
	for existing telephony services
	Broadbard WILL - provides high-speed two-
	way voice and data service.
	TI - D. A. D. III
->	Thus, will be the best system to handle
	high data traffic in the local loop
	system.
	Line Land Control of the Control of
	Wireless Local Area Metworks (WLANS)
4	It i provides borandhad data
	It provides broodband telecomunications
	demand for brondbard Internet acess
	Proposition sold by the description of the descript
YASH	from business and homes due to the Royal Eco

	Date:	8
Paris.	rapid growth of the Internet	
	Provide high speed, high performance wire connections between computers and the wireless access points, between laptops, between laptops, between laptops,	æ
	video cameras and other electronic	
15	Replace the combessione coads that connect devices to one mother.	
, pr	Operate at low power and licence spectrum, · North America: IFEF 802.11x 20xies, examp · Europe: HIPERLAN/2	
	Both TEFE 802.11a and HIPERLAN/2 SUN	post
	· Use spread spectrum and OFDM technologies	
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