Difference between GSM and GRPS:

1. -GSM is a cellular standard for mobile phone communications to cater to voice services and data delivery using digital modulation where SMS has a profound effect on society.

-GPRS is an up-gradation of GSM features over the basic features to obtain much higher data speeds and simple wireless access to packet data networks than standard GSM.

1. - The frequency bands used in the GSM system are 900 and 1800 MHz.

* The frequency bands used in the GRPS system are 850, 900, 1800 and 1900 MHZ.

1. - GSM: The type of connection is a circuit-switched network.

* GRPS: Here the type of connection is a packet-switched network.

Difference between GRPS to 3G

GRPS:

GPRS is a 2G technology that allowed mobile phones to extend their usability a lot further than by simply making calls.

It also supports Multimedia Message Service or MMS.

Data are not transferable while a voice call is ongoing.

3G:

offers a remarkable download speed that is up to 3.1 megabits per second (Mbps).

introduced features such as video calling as well as seam-less video streaming.

The mobile phones that are compatible with 3G networks have also advanced enough to carry browsers that are capable of processing and displaying whole web pages.