EXPERIMENT 1

Use Figma to create an interactive diagram illustrating the components of a basic cellular system.

Aim: -

To create an interactive diagram illustrating the components of a basic cellular system

Procedure: -

- 1. open Figma
- 2. Create a new file
- 3. Select the Frames
- 4. Fill in the content that is required for presentation
- 5. Design Visual Elements
- 6. Make it Interactive
- 7. Add Annotations and Explanations
- 8. Incorporate Multimedia
- 9. Storyboard Animation
- 11. Review and edit the Prototype
- 12. Save and Share

Design: -

Basic Cellular System

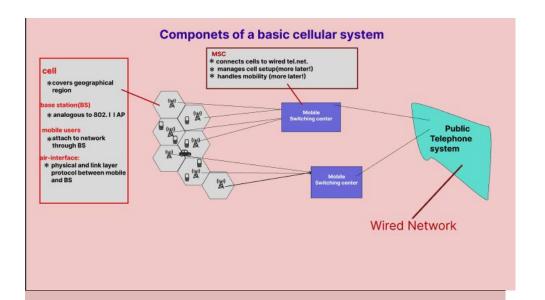
There are mainly two types of Basic Cellular System:

1.Circuit Switched:

In a circuit-switched system, each traffic channel is dedicated to a user until its cell is terminated.

2.Packet Switched:

In packet-switching, the packets are sent towards the destination irrespective of each other. Each packet has to find its own route to the destination. There is no predetermined path; the decision as to which node to hop to in the next step is taken only when a node is reached. Each packet finds its way using the information it carries, such as the source and destination IP addresses.



Analog Circuit-Switched System

A basic analog cellular system consists of three subsystems:

- 1. A Mobile Unit
- 2. A Cell Site
- 3. A Mobile Telephone Switching Office (MTSO) with CONNECTIONS to link the three subsystems

Analog Circuit-Switched System Land telephone network Switches and processor Mobile unit Dedicated voice grade circuits Cell #1 Cell #2 Analog cellular system

