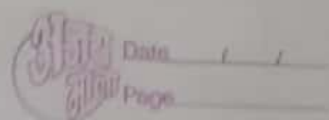


# (13) Bluetooth - (Main PDF Sent PDF)



## Bluetooth

- Specification (Pg 1)
- Development criteria (IEEE 802.11) (Pg 1)
- User Scenarios for WPANS (Pg 2)
- Architecture - (Pg - 3)
- Protocol Stack - (Pg - 3)
  - Protocol Elements (Pg - 3 end, Pg 4)
    - Radio
    - Baseband → Packet (Contains 3 elements)
    - Link Manager Protocol (LMP) (Function)
  - Baseband States of a device (Pg - 5)
    - Low power states to save battery (Pg - 6)
      - Sniff state
      - Hold "
      - Park "
    - L2CAP → <sup>provides</sup> 3 types of logical channels → Pg (6)
  - Scatter net (Pg - 7)
  - Piconet (Pg - 8)
- Applications of Bluetooth (Pg - 9)

# ④ GPRS (MAM sent PDF)

Pg-① Definition

Pg-② GPRS architecture.

↓  
GPRS Support Nodes (GSN) → Pg-2

Pg-3 → SGSN      GGSN → Pg-4

Pg-4 (end) - Interface in GPRS

┌───┐  
Gb   Gn   Gi   Um → Pg-5

Pg-5 GPRS Architecture Diagram.

Pg-6 GPRS N/w Enhancements {  
BSS  
HLR  
GPRS Nodes

Pg-6 (end) → Channel coding → reliable coding scheme

Pg-7 Data Service in GPRS {  
Applicable mode  
Tunneling Mode

Pg-8 - GPRS Application {  
Generic  
GPRS Specific } - Pg 9, 10

## (6) IEEE (802.11) (Main Sent PDF)



Pg-1 → Introduction  
→ Working Groups

Pg-2 → System Architecture

- Infrastructure Based N/W (Pg-2)
- Ad-hoc N/W (Pg-3)

Pg-4 → Protocol Architecture

- Physical Layer
- MAC

PLCP } Pg-5  
PMD }

Pg-5 MAC Management

## (5) WLAN → (Main Sent PDF)

Pg-1 Definition

- Spread Spectrum
- OFDM

Pg-1 end → Types of WLANs

Pg-2 → Peer-to-peer Bridge

- Wireless (repeater mode) Distributed System → Pg(3)

Pg-2 → Router/Port to wireless Work group Bridge

Pg-3 → Examples of WLAN

- IEEE 802.11 → Pg 3
- Hyper LAN
- Home RF
- Bluetooth
- Mo.net

} Pg 4

Pg 5, 6 → Benefits of WLAN

# ① WAP → (Mam Sent Notes)

Pg-1 → WAP Definition  
→ WAE

Pg-2 → Networks for WAP.  
→ Basic Objective of WAP forum.

Pg-3 → WAP Architecture.

Pg-4 → Bearers → Pg(4)

Pg-5 → Transport Layer (WDP, WCMP, TCAP)

(WTLS) Pg-6 → Wireless Transport Layer Security (features)

(WTP) Pg-7 → Wireless Transaction Protocol.

Pg-7,8 → Session Layer

Pg-8,9 → Application Layer → (Facilities)

Pg-9,10 → WAP Infrastructure / WAE

Pg-10,11 → WAP programming Model / WAE Logical Model.

Pg-11 → WAP gateway & main tasks

Pg-12 → Protocol conversion  
Content encoding

Pg-13 → Major Elements

- WAE User Agent
- Content generators
- Standard content encoding.

Pg-14 → Wireless Telephony Applications  
(WTA)