



Legend

(P) Primary key.

(ii) Before communication <sup>can</sup> take <sup>place</sup> the process of handshaking is carried this involves establishing the protocols to use during transmission then data packets are sent which are composed of a header, data body and trailer. These data packets are sent on different routes using the transmission media modem. The data packets then are received by the modem which rearranges them and reassembles the data packets. Once the data packets are reassembled they are sent to file server using Access points. Then the message is received by the file-server.

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One suitable error detection method is cyclic redundancy check or (CRC). CRC is the process of dividing the data packet by a generated divisor. Then the remainder is sent to the receiver which compares it for accuracy. This error detection technique ensures that all errors are detected and if errors are found the message can be requested to be re-sent.

