Internet Technologies

Networking / Internet
Protocols (TCP/IP)
Server/Client Software
Communication via Ports
Web Page Technology
Recipe of Web Page Development
Physical Topologies – Star, Bus, Mesh, Ring, Hybrid

LAN or WAN
Protocols
The language that computers use to communicate over the Internet

- **IP Version 4** – The IP address holds 4 octets.

- \(2^8\) per octet – 4.3 Billion Possibilities.

<table>
<thead>
<tr>
<th><strong>Trailer/Footer</strong></th>
<th><strong>Payload</strong></th>
<th><strong>Header</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• End Data</td>
<td>• Data Amount</td>
<td>• Send Receive IP</td>
</tr>
<tr>
<td>• CRC: Error Check</td>
<td>• Data</td>
<td>• Protocol Format</td>
</tr>
<tr>
<td>96 Bits</td>
<td>896 Bits</td>
<td>• Packet #</td>
</tr>
</tbody>
</table>

1024 Fixed Packet
Software

Basic software that allows the user to interface with the computer.

- Server Side Software
- Client Side Software
- Web, News, List, Email, Database, etc…
Communication

? Ports!

You should of read this material already

Hardware!

Power!

Software!

Cable!
Web Page

- HTML
- Text Base
- HTTP
- .htm / html Extension
- Tags
Recipe of Web Dev.

1. Needs Assessment
2. Scope
3. Draft
4. Design
5. Develop
6. Test