

Rajarshi Shahu Mahavidyalaya(Autonomous), Latur
Department of Information Technology
Online Certification Course (August to September 2022)
in
“Advanced Concepts of Computer Networking”
Syllabus

Week 01:

- 1] Course Introduction.
- 2] Client Server Concept.
- 3] Network Topologies.
- 4] Components and Physical Media.

Week 02:

- 1] Introduction of Wireless Network.
- 2] Comparison between Wired and Wireless Network.
- 3] Why we use Wireless Network.
- 4] Disadvantages of Wireless Network.
- 5] Radio Frequencies signal (RF Signals)

Week 03:

- 1] Types of Wireless Networks.
- 2] Requirement to create wireless Network.
- 3] Wi-Fi (Wireless Fidelity)
- 4] Bluetooth
- 5] Li-Fi

Week 04:

- 1] 2G and 3G Network.
- 2] 4G and 5G Network.
- 3] Security Options in Wireless Network.
- 4] IEEE Wireless Standards.
- 5] Ad-hoc and Sensor Network.

Course Teachers

- 1] Prof. Aman Shaikh , RSML
- 2] Prof. Mahadev Bhatade. RSML