

**Rajarshi Shahu Mahavidyalaya(Autonomous), Latur.**  
**Department of Information Technology**  
**Online Certification course**  
**in**  
**“Advanced Techniques in Computer Network”**  
**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