

Program Code & Semester: B.Tech (BI)- 6<sup>th</sup> Semester.

Course Title: Computer Security

Instructor: S. Venkatesan

Tutorial and Practical Assignment - 1 (Component 1)

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**Important Note: 1. To be done Individually, 2. Duration: Two weeks**

1. **Practical: Machine Identity** - Check the IP address, MAC address and DNS address. Try modifying the MAC address in software level and check the entry in the ARP/DNS cache.
2. **Tutorial: System Security** - Check the security setup in your machine and use of sudo. [upto 5 members Group is allowed]
3. **Tutorial: OS Security** - Linux Vs Windows [upto 5 members Group is allowed]
4. **Practical: Permission** - Change the file permission (*chmod*), Create user group and modify the group, use of sudo.
5. **Practical: Passwords** - Enforce strong passwords, Checking Accounts for Empty Passwords, Check Password Expiration of User and Restrict Users to Use Old Passwords