

Indian Institute of Technology Jodhpur

Computer Science and Engineering Department

Lab 8

CSL6010 - Cyber Security

Date: 20-03-2025

Marks: 10

Aim: Understanding the use of password brute-forcing tools.

Lab Task:

In this lab, you are required to explore and use at least five password brute-forcing tools on your system. Your task is to compare these tools based on various factors such as:

- Type of passwords they can crack (numeric, alphanumeric, uppercase, lowercase, special characters, length, etc.)
- Supported platforms (Windows, Linux, macOS)
- Time taken to crack different types of passwords

Example Tools:

- Aircrack-ng
- John the Ripper
- L0phtCrack
- Hashcat
- DaveGrohl
- Ncrack

You may also explore and use other tools not listed above.

Submission Requirements:

- Prepare a report comparing the tools based on the mentioned factors.
- Include relevant screenshots demonstrating your experiments.
- Submit only a single **PDF** file.