

IGDTUW/ISEA/2023/4318



INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

(Established by Govt. of NCT of Delhi vide Act 09 of 2012)
Kashmere Gate, Delhi -110006



Certificate

This is to certify that

Teeya Ojha

has successfully completed Six-Week Summer Internship on

"Ethical Hacking and Cyber Security"

held from 29th May – 07th July 2023 in blended mode

organized by **Department of Information Technology**

under the aegis of

**Information Security Education and Awareness Project, (ISEA),
MeitY, Govt. of India**

Topics Covered

- Introduction to Ethical Hacking, Footprinting, Reconnaissance, Network Scanning, Enumeration
- Vulnerability Assessment and Malware Threats
- Sniffing Session Hijacking, DoS Attacks, Injection Attacks,
- Hacking Web Server, Web Application, Wireless Networks, Mobile, IoTs, and OT Devices
- Security Operations and Securing Cloud Computing
- Cryptography and Cryptanalysis
- Cyber Security using Jupyter Notebook
- Threat Analysis using Machine Learning
- IT Act and Cyber Law

PROJECT: Vulnerability Assessment and Penetration Testing on Web Based Application-DVWA

(Prof. R. K. Singh)

Chief Investigator, ISEA, Project, Phase- II

(Prof. A. K. Mohapatra)

HoD (IT)