

DIRECTORATE OF DISTANCE EDUCATION
NALSAR UNIVERSITY OF LAW, HYDERABAD

Advanced Diploma in Cyber Security & Data Protection Laws

Academic Year: 2021-2022

Second Semester –End Semester
Take Home Examination (July 1-4, 2022)

Paper III – 1.2.6. Open Source Intelligence (OSINT)

TOTAL MARKS: 50

INSTRUCTIONS TO CANDIDATES

- a) Read the instructions for Take Home Examination carefully and adhere to the same.
 - b) *Please mention your name, ID No., subject name and total number of pages on the Answer Sheet.*
 - c) *Clearly indicate the question numbers while answering them.*
 - d) *Since this is a take home exam, we expect your answers to be analytical rather than straight answers.*
 - e) Copying from any source including from other students is strictly prohibited. Plagiarism is considered as a serious academic mis-conduct and the University will take action as it deems fit.
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1. Define and illustrate different modules of Deep Web Analyser with examples in the world on Deep Web. (10 Marks)

2. A photo went viral in September of 2018 that appeared to show Donald Trump riding a raft over flood waters.

In the photo, Trump reaches out to a man who is stranded to hand him a red 'Make America Great Again' hat.



The image first appeared on Facebook in 2017 and again in 2018. The image racked up 275,000 shares on that site before they removed it. Many people saw the image and knew it to be fake. Some didn't..

In this regard, explore the OSNIT Tools to be used to establish the fact that image is fake and its impacted the profile of the President of America in the election 2021 in the following category. **(20 Marks)**

- A. Real-Time Search, Social Media Search, and General Social Media Tools
- B. Image Analysis
- C. Fact Checking
- D. Social Network Analysis

3. Explain the concept of Hacking Crypt currency Miners with OSINT.

(10 Marks)

4. Define the concept of Dark web with the help of various Directory Authorities which adopt Tor hidden services and onion routing. Subsequently, illustrate different Dark Web Innovations which are normalized in day to day life.

(10 Marks)