REPORT ON WORKSHOP ON CYBER SECURITY ORGANISED BY VASANT VALLEY PUBLIC SCHOOL, LADDA UNDER SAHODAYA GROUP.

- Attended by **Ms. Minakshi Janjua** (Teacher) and **Gurnaaz Kaur Sandhu** (Student) of class 10th.
- Students from various schools gathered to attend the workshop.
- Interesting topics were covered in the session that attracted my attention a lot.
- Few topics were completely new for me but I got them easily
- Complete session was taught incredibly.
- Few topics that grabbed my attention the quickest were:
  - Hacking
  - Psychology of hackers
  - Protects against viruses and hacking
- Few topics that I learnt from the workshop:
  - Cyber crime: It is any criminal activity that involves a computer, networked device or a network.
  - IP address: It is a unique address that identifies a device on the internet or a local network. IP stands for "Internet Protocol".
    - Types of IP address: Public, Private, Static and Dynamic.
    - IPv4 and IPv6: IPv4 provides an addressing capability of approximately 4.3 billion address. The internet Protocol version 6 (IPv6) is more advanced and has better features compared to IPv4.
  - Hacking: The act of compromising digital devices and networks through unauthorized access to an account or computer system.
  - Types of Hacking:
    - Black Hat: Criminal Hackers.
    - White Hat
    - Grey Hat
    - Green Hat
    - Blue Hat
    - Red Hat: Government-Hired Hackers.
  - Hacking attacks: Malware, Phishing, Man-in-the-middle attack, guessing method, Dictionary method.
- Students were allowed to bring laptops to perform and learn practically.
- Overall, I enjoyed the workshop and further interested in them.

PREPARED BY :-

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RESOURCE PERSON :- IIT HYDRABAD (2 DAYS WORKSHOP)