**Project 1: Guardians of Cyber security**

**Step 1: Research (5 Marks)**

1. **Choose a Topic**: Students select a cyber-security topic (e.g., phishing, password security, online privacy).
2. **Gather Information**: Students will use books, websites, and other resources to research their topic.

**Step 2: Create an Informative Poster (5 Marks)**

1. **Design the Poster**: Using the information from their research, students design a poster that includes key points and visuals.
2. **Incorporate Creativity**: Use colors, drawings, or digital tools to make the poster visually appealing.
3. **Include Important Tips**: Ensure the poster educates viewers about staying safe online.
4. **Tool for digital poster**: Canvas online tool: <https://www.canva.com/>
5. **Deliverable**: Cyber safety poster.

**Step 3: Password Strength Challenge (5 Marks)**

1. **Create Passwords**: Students create three different passwords: one weak, one moderate, and one strong.
2. **Assess Passwords**: Using a provided checklist (e.g., length, complexity), students evaluate their passwords.
3. **Link**: <https://neal.fun/password-game/>
4. **Write Explanations**: For each password, students explain how they created it and why it fits its category.
5. **Deliverable**: Password list with explanations.

**Step 4: Phishing Email Detection Game (5 Marks)**

1. **Link**: <https://www.egress.com/blog/phishing/spot-the-phish>
2. **Identify Phishing**: Students identify which emails are legitimate and which are phishing attempts.
3. **Justify Choices**: For each email, students write a brief justification for their identification.
4. **Deliverable**: Email analysis sheet.

**Step 5: Write a Report (5 Marks)**

1. **Report**: Each student writes a short report (1-2 paragraphs) summarizing their findings. And paste the poster made in step 2 in report or bring physical poster to next class.

|  |  |  |  |
| --- | --- | --- | --- |
| **Rubric for Phrase searching** | | | |
|  | 1 | 2 | 3 |
| Able to do search |  |  |  |
| Able to make a poster |  |  |  |
| Able to understand password changing |  |  |  |
| Able to identify phishing. |  |  |  |
| **Key**: 1. Needs more opportunity to develop this skill.  2. Beginning to demonstrate this skill.  3. Has achieved this skill. | | | |