**PROJECT REPORT**

INTODUCTION

This is a written report on the analysis carried out on previous cipher session (the sessions before the April 2024 cipher session).

The aim of this project is to provide valuable insight regarding previous cipher sessions and possibly how to make future cipher session more outstanding.

It is important to note the limitations of this report most of which are data related some of these limitations include:

* Data used are not all encompassing of previous cipher sessions attendees
* Inability to get opinions/response from some previous attendees
* Inability to reach some set of previous attendees etc.

METHODOLOGY

The data set used for this analysis are data gotten from both primary and secondary sources (google form being sent out to previous attendees).

Some of the data cleaning process include:

* The removal of null values
* The removal of irrelevant responses etc.

Some of the tools and software employed during this project include:

* Google drive
* Goggle sheet
* Microsoft Excel
* Microsoft word etc.

**RESULTS**

ATTENDANCE ANALYSIS

|  |  |
| --- | --- |
| **STACK** | **COUNT\_STUDENT** |
| **Data Analysis** | **24** |
| **Cyber Security** | **42** |
| **Solidity** | **10** |
| **UI/UX** | **20** |
| **WDD** | **47** |

**CYBER SECURITY**

|  |  |  |
| --- | --- | --- |
| Attendance | count\_present | Average |
| class 1 | 15 | 35.71429 |
| class 2 | 8 | 19.04762 |
| class 3 | 6 | 14.28571 |
| class 4 | 14 | 33.33333 |
| class 5 | 7 | 16.66667 |
| class 6 | 9 | 21.42857 |
| class 7 | 9 | 21.42857 |
| class 8 | 14 | 33.33333 |
| class 9 | 13 | 30.95238 |
| class 10 | 12 | 28.57143 |
| class 11 | 12 | 28.57143 |
| class 12 | 12 | 28.57143 |

***Figure 1.1: Bar chart of count of present students for cyber security classes***

**DATA ANALYSIS**

|  |  |  |
| --- | --- | --- |
| Attendance | count\_present | Average |
| class 1 | 5 | 20.83333 |
| class 2 | 8 | 33.33333 |
| class 3 | 7 | 29.16667 |
| class 4 | 9 | 37.5 |
| class 5 | 5 | 20.83333 |
| class 6 | 6 | 25 |
| class 7 | 5 | 20.83333 |

***Figure 1.1: Bar chart of count of present students for data analysis classes***

**SOLIDITY**

|  |  |  |
| --- | --- | --- |
| Attendance | Count\_Present | Average |
| class 1 | 5 | 50 |
| class 2 | 4 | 40 |
| class 3 | 3 | 30 |
| class 4 | 7 | 70 |
| class 5 | 2 | 20 |
| class 6 | 2 | 20 |

***Figure 1.1: Bar chart of count of present students for solidity classes***

**UI/UX**

|  |  |  |
| --- | --- | --- |
| Attendance | count | Average\_attendance |
| class 1 | 7 | 35 |
| class 2 | 6 | 30 |
| class 3 | 2 | 10 |
| class 4 | 2 | 10 |
| class 5 | 1 | 5 |

***Figure 1.1: Bar chart of count of present students for UI/UX classes***

**WDD**

|  |  |  |
| --- | --- | --- |
| Attendance | count\_present | Average |
| class 1 | 11 | 23.40426 |
| class 2 | 15 | 31.91489 |
| class 3 | 15 | 31.91489 |
| class 4 | 10 | 21.2766 |
| class 5 | 11 | 23.40426 |

***Figure 1.1: Bar chart of count of present students for WDD classes***

**ANALYSIS OF SECONDARY DATA**

* **Number of forms links sent out: 100**
* **Number of responses gotten: 30**

1. **Data analysis = 3**
2. **WDD = 6**
3. **Solidity = 1**
4. **Cyber security = 13**
5. **UI/UX = 5**

* **Number of persons who completed their session (having a certificate was the criterium) = 5**
* **Number of persons who didn’t complete their sessions (that is no certificate) = 23**
* **Most common reasons for not completing the session = Gadget/Device related problems, unfavourable class schedule time.**
* **Most recommendations for future cipher sessions = More certificate being issued out, equal attention to both physical and online students, use of more organized learning platform (example slack)**
* **Most comments about Tutors = ‘very helpful’, ‘Tutor Josh is the best’, ’Tutor Ebube is an excellent tutor’, ’Tutor primidac was hard on us which pushed us to our limit’.**
* **Most comments on the most interesting part of the session = interactive question and answer session, the hackathon, research assignments.**
* **Number of persons who would recommend Borderless Cipher sessions to anyone = 25 (83%)**

**SUMMARY/CONCLUSION**

**While we were not able to reach majority of previous cipher session attendees valuable insights can still be drawn from the results presented above. Some of these include:**

* **The need to give out more certificate of completion to students who meet the criteria**
* **Applaud and encourage more interactive and engaging activities during sessions**
* **The need to look into class time scheduling etc.**