**OJT WEEKLY ACCOMPLISHMENT REPORT**

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| **Company Name: Fix I.T. Computer Services** | **Date: February 28, 2023** |

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| Learning about Cat cables in networking with the help of our supervisor, Sir Amile, was an eye-opening experience for me. I knew that understanding these cables was essential to my job. I was eager to learn and grateful for the guidance of our supervisor. Sir Amile started by giving us an overview of Cat cables, explaining that they are used to transmit data between network devices. He then proceeded to explain the differences between Cat 5, Cat 6, Cat 5e, and Cat 6e cables.  He explained that Cat 5 cables are the oldest and slowest of the four, with a maximum data transmission rate of 100 Mbps. They are still used in some networks, but their use is becoming less common. Cat 5e cables, on the other hand, are an improvement over Cat 5, with a maximum data transmission rate of 1 Gbps. They are the most commonly used cables in today's networks and are suitable for most applications. Cat 6 cables are faster than Cat 5e, with a maximum data transmission rate of 10 Gbps. They are more expensive than Cat 5e, but they offer better performance and are ideal for high-bandwidth applications.  Finally, Sir Amile explained Cat 6e cables, which are an enhanced version of Cat 6. They have a maximum data transmission rate of 10 Gbps, like Cat 6, but they have better crosstalk performance, making them ideal for applications that require high-speed data transfer over long distances. After explaining the differences between the cables, Sir Amile gave us a practical demonstration on how to install Cat cables. He showed us how to prepare the cables, how to crimp the connectors, and how to test the cables to ensure they were working correctly.  We also had a brief discussion on optic fiber cables, which are used for long-distance data transmission. Sir Amile explained that optic fiber cables transmit data using light, making them faster and more secure than traditional copper cables. He also showed us some examples of optic fiber cables and explained how they are installed.  Overall, learning about Cat cables in networking with the help of our supervisor, Sir Amile, was an engaging and enlightening experience. His personalized and experienced-based approach. |
| **REMARKS:** |

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| **Prepared by:**  **­­­­­­­­­\_\_Mark Laurence O. Bongulto \_\_**  **Trainee** | **Verified by:**  **\_\_Amiel Denzmeer Fandiño\_\_**  **Supervisor** |
| **Checked by:**  **\_\_\_Sherwin D. Quizon\_\_\_**  **OJT Coordinator** | **Number of Hours:**  **\_\_8\_\_Hours** |