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| Work Integrated Learning  (XITM6229) | Jack of All Trades  **Group Leader**: Bornwise Nkateko Baloyi  **Secretary**: Tshilidzi Ramabulani  **Other Members**: Solomon Moshokoa  : Roandiswa Mbendzi  : Puseletso Mamabolo |
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**Project Charter (Jack of All Trades)**

**Project Title:** Central Karoo Interconnected Computer Network Development

**Project Purpose:** To design and implement an interconnected computer network that will provide reliable intranet and Internet access throughout the Central Karoo district, addressing current connectivity issues and enhancing service delivery for homes, hospitals, and government offices.

**Project Objectives:**

* **Network Expansion:** Establish comprehensive connectivity for 3000 homes, three district hospitals, and one district administrative building.
* **Service Improvement:** Enhance network reliability and quality of communication.
* **Security:** Address and mitigate security concerns related to data access and external suppliers.
* **Completion Timeline:** Finalize the network rollout within one year.

**Scope:**

* **Infrastructure Development:** Design and install necessary network equipment and access points.
* **Coverage Enhancement:** Improve existing wireless network coverage and reliability.
* **Security Implementation:** Establish security protocols for data access and network protection.
* **Community Engagement:** Ensure that the network meets the needs of all stakeholders, including hospitals and government offices.

**Key Deliverables:**

* **Network Design Documentation:** Detailed plans for infrastructure and topology.
* **Installed Equipment:** Access points, antennas, security systems, and other network components.
* **Operational Network:** Fully functional network with tested reliability and coverage.
* **Training Materials:** Documentation and training for local staff on network use and maintenance.
* **Performance Reports:** Metrics and analysis on network performance and improvements.

**Milestones:**

* **Project Initiation:** Kickoff meeting and project team formation.
* **Assessment Phase:** Evaluate current infrastructure and design network improvements.
* **Installation Phase:** Deploy new equipment and optimize network configuration.
* **Testing Phase:** Conduct comprehensive testing of network performance and reliability.
* **Deployment Phase:** Finalize network rollout and begin full operations.
* **Training & Support:** Provide training to staff and establish ongoing support mechanisms.
* **Project Closure:** Complete final review and documentation, transition to operational status.

**Budget:**

* **Total Budget:** Provided by the mayor’s office (details to be outlined in financial planning).
* **Allocation:** Costs for equipment, installation, security measures, and training.

**Risk Management:**

* **Connectivity Issues:** Implement redundant systems and regular monitoring.
* **Security Breaches:** Deploy advanced security protocols and access controls.
* **Project Delays:** Establish clear timelines and contingency plans.

**Project Team:**

* **Project Manager:** Oversees project execution and coordinates between stakeholders.
* **Network Engineers:** Design and implement the technical infrastructure.
* **Security Specialists:** Ensure robust data protection and network security.
* **Training Coordinators:** Develop and deliver training programs for users.

**Approval:**

* **Project Sponsor:** Mayor’s Office
* **Approval Date:** [2024/08/16]
* **Review and Feedback:** Regular updates and feedback sessions with stakeholders.

**Conclusion:** The Central Karoo Interconnected Computer Network Development project is a strategic initiative aimed at transforming connectivity in the district. By addressing current challenges and implementing robust infrastructure, the project will significantly enhance communication and service delivery for all stakeholders.