



The Digital Futures Club – IT Setup Proposal

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Abstract

The purpose of this project is to present a detailed technical specification for the Digital Futures Club's IT setup. This report outlines the required hardware, software, and data management plan to ensure efficient and reliable operation of the club's digital initiatives.

1 Introduction

The Digital Futures Club requires a modern computing infrastructure that supports both collaborative learning and technical project development. The setup will include portable devices for presentations and mobile tasks.

2 Hardware Specifications

2.1 Laptop

- **CPU:** Intel Core i5-1235U, 1.3 GHz
- **RAM:** 16 GB DDR4
- **Storage:** 512 GB NVMe SSD
- **Display:** 15.6" Full HD

2.2 Desktop

- **CPU:** Intel Core i7-13700, 2.1 GHz
- **RAM:** 32 GB DDR5
- **Storage:** 1 TB NVMe SSD + 2 TB HDD
- **Display:** 27" QHD (2560×1440)
- **Graphics:** NVIDIA RTX 4060, 8 GB GDDR6
- **Power Supply:** 650W 80+ Bronze
- **Connectivity:** Gigabit Ethernet, Wi-Fi 6, multiple USB ports

3 Budget Table

Item	Model/Specs	Unit Price (PKR)	Qty	Total (PKR)
Laptop	Core i5, 16GB, 512GB SSD	185,000	1	185,000
Desktop	Core i7, 32GB, RTX 4060	280,000	1	280,000
Monitor	27" QHD LED Display	60,000	1	60,000
Accessories	Keyboard, Mouse, UPS	20,000	1	20,000
Software Licenses	Windows 11, MS Office, Antivirus	45,000	1	45,000
Grand Total				590,000

Table 1: Proposed IT setup budget for the Digital Futures Club

4 Software & Data Management

The systems will run on Windows 11 Professional with essential software, including Microsoft Office 365, Visual Studio Code, MATLAB, and antivirus protection. For efficient data protection and collaboration, all club data will be stored on the desktop's main drive and automatically backed up daily to a cloud storage service such as Google Drive. This ensures data security, version control, and easy remote access for club members.