Statement and Confirmation of Own Work

***A signed copy of this form must be submitted with every assignment.***

***If the statement is missing your work may not be marked.***

**Student Declaration**

I confirm the following details:

|  |  |
| --- | --- |
| **Candidate Name:** | SHIHAB SAJID MIRZA |
| **Candidate ID Number:** | P00190603 |
| **Qualification:** | NCC L5DC |
| **Unit:** | COMPUTING PROJECT (PROJECT REPORT) |
| **Centre:** | ZCAS UNIVERSITY |
| I have read and understood both NCC Education’s *Academic Misconduct Policy* and the *Referencing and Bibliographies* document. To the best of my knowledge my work has been accurately referenced and all sources cited correctly.  I confirm that this is my own work and that I have not colluded or plagiarised any part of it. | |
| **Candidate Signature:** |  |
| **Date:** | 30/04/2023 |



**OPS020\_Candidate Statement of Own Work**

**TABLE OF CONTENTS:**

**ABSTRACT**

The scope and nature of this project is such that it involved the analysis, design, implementation and lastly, testing of the system developed for VTE (Visionary Technologies Enterprise). the analysis step consisted of interviewing or just generally conversing with the VTE staff. The design step was short and usually involved coming up with Backend architecture using class diagrams etc., frontend architecture and design using Figma and the necessary Database ERDs. The implementation or coding of the system was done using the MERN stack (Mongo dB, Express.js, React.js (With typescript) and Node.js). However, MySQL was also used as the primary data store. The system was developed in a responsive manner to allow mobile users to also use it effectively.

The testing strategy used was black box testing to find anything that is not working or having bugs and apply an immediate fix to it.

The system was given the nickname/name ***“Tasked.it”***.

The website is an admin dashboard style website, so it is only to be used by VTE staff.

A summary of the outcomes:

Easier freelancer management: The admins can now easily manage the freelancers by assigning projects to them, creating new freelancers and editing existing freelancers.

Better communication: Freelancers and admins can easily exchange messages through the system. Without the need of third-party apps.

Easier project management: Projects can easily be added, removed and broken down into smaller tasks which can then be assigned to the freelancers with the appropriate skill roles.

Client satisfaction: Clients will be more satisfied with well managed projects that are of high quality and are produced within ample time.

**ACKNOWLEGEMENTS:**

I show my heartfelt gratitude towards my parents who sponsored me for this journey and provided unwavering support throughout. Additionally, I thank VTE for providing me with the opportunity to produce a computing project/solution for them. I also thank VTE staff for helping me with any queries I had regarding their business processes. Finally, I extend my appreciation towards all the supervisors, lecturers and colleagues that helped me during the development phase of the system.

**INTRODUCTION:**