

**Ministry of Skills Development and Vocational Training**

**Vocational Training Authority of Sri Lanka**

**NVQ 5 in ICT**

**Individual Project Proposal Information Sheet**

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| **Name of the Project** | CeyGem.Com - Online Gem Advertising Platform | | | | | | | | | | | | | | | | | | | |
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| **Course** | National Diploma in ICT at NVQ Level 5 | | | | | | | | | | | | | | | | | | | |
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| **Student Name** | H | E | W | A |  | W | A | D | U | G | E |  | S | A | N | D | A | R | U |  |
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| **Centre Name** | NVTI Baddegama | | | | | | | | | | | | | | | | | | | |
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| **Supervisor Name** |  | | | | | | | | | | | | | | | | | | | |
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| **Supervisor Comments** |  | | | | | | | | | | | | | | | | | | | |
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| **Supervisor Signature & Date** |  | | | | | | | | | | | | | | | | | | | |
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| **Student Signature & Date** |  | | | | | | | | | | | | | | | | | | | |
| 2025.03.1 | | | | | | | | | | | | | | | | | | | |
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| **Who has the problem(Client)** | CyeNet (Pvt) Ltd | | | | | | | | | | | | | | | | | | | |
| **Problem Statement** | Buyers face challenges in finding genuine gemstones and trustworthy sellers, while vendors struggle to effectively reach potential customers. Traditional marketplaces often lack transparency, making it difficult to verify gemstone authenticity and establish trust.  Sellers, on the other hand, often struggle to find buyers who are genuinely interested in high-quality gemstones. | | | | | | | | | | | | | | | | | | | |
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| **Domain/Problem Area** | The problem area is the gemstone market, focusing on issues of authenticity verification, trust between buyers and sellers, and the challenges vendors face in reaching potential customers. | | | | | | | | | | | | | | | | | | | |
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| **Proposed Solution /Scope** | The online gem advertising platform allows vendors to showcase certified gemstones with detailed descriptions and images. Buyers can browse listings and directly contact sellers for inquiries and purchases.  CeyGem.Com platform **does not sell gemstones** but allows Sri Lankan vendors to showcase certified gems, enabling buyers to contact sellers directly. | | | | | | | | | | | | | | | | | | | |
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| **System Deliverables** | * Web-based system published at **Ceygem.com** * Mobile app (Flutter based) for both Android and iOS * User Manual * Sample Tutorial | | | | | | | | | | | | | | | | | | | |
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| **Methodologies going to be used** | The development of the online gem advertising platform follows the **Waterfall methodology**. The technologies used include **Flutter** for building cross-platform applications, **MySQL** for database management, **secure authentication** for user access, **messaging features** for buyer-seller communication, and **responsive design** to ensure compatibility across devices. | | | | | | | | | | | | | | | | | | | |
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| **Project Assumptions and Constraints/Risks** | **Assumptions:** Vendors provide accurate certifications, buyers access the platform via mobile and web, and the platform works in regions with stable internet.  **Constraints/Risks:** Ensuring trust in gemstone authenticity, data security concerns, limited reach in low-connectivity areas, and transaction security due to no payment handling. | | | | | | | | | | | | | | | | | | | |
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| **Weekly Basis Project Plan** |  | | | | | | | | | | | | | | | | | | | |