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| **Higher Education Qualifications**  **The Professional Project in IT** |  | |
| **Project Proposal Form (to be completed by the candidate)** | |

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| **Candidate Name** | Kavindya Gimhani Rajapakse |
| **BCS Membership Number** | 990647337 |
| **Course Provider** (if applicable) | ESOFT Computer Studies (Pvt) Ltd |
| **Project Title** | E-Health Care System |
| **Planned Project Submission date** (dd/mm/yyyy) | 30/08/2020 |

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| Please tick as appropriate for your project | | | | | |
| **Level** | | **Type** | | **Attempt** | |
| Diploma |  | Individual |  | First submission |  |
| PG Diploma |  | Group |  | Re-submission |  |

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| **AUTHENTICATOR DETAILS** | |
| Authenticator Name | Yamuna Mawarathne |
| BCS Membership Number |  |
| If the authenticator is not a BCS member, they **must** submit an up to date CV with their details. Please note that the authenticator must be an IT Professional (e.g. Manager, Supervisor or Tutor) **with a minimum of 5 years managerial or project supervisory experience at the appropriate level**. | |

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| **Please complete an outline of your proposal in the section below (no more than 500 words)** |
| **E-Health Care System**  **Introduction**  Jayarathna Consultation Services (Pvt) Ltd is a leading medical centre located in Sri Lanka. They are a dominating candidate in the field of medical consultations over 16 years. As their latest business improvement they have decided to expand their system to an E-HealthCare System to enhance their business to the global plane.  **Problem Domain**  The current system of this organization consists of a manual system. The manual procedures includes,   * Appointment management * Laboratory services management * Human resource management   Drawbacks of the current system are,   * Less efficient data retrieving process * The appointments and tests could only be made by the patients living nearby * The patient cannot select the desired doctor * Difficult to maintain personal medical history records   **Proposed Solution**  **Objectives**   * User registration * The user can select the desired doctor * Schedule mobile medical tests * Schedule counseling sessions with the doctors * Sending confirmation emails * The user’s medical history will be stored in a database * Admin can manage all components of the system   **Modules**  **Profile management module**   * Doctor and user registration, secure login and logout options * Doctors should upload a scanned copy of their medical practice license when registering * Reset password options   **Admin module**   * Managing doctors * Medical laboratory management * Report handling * Manage appointments * Profile management   **Consultation module**   * Users can enter the symptoms and system will analyze and suggest suitable doctors for consultation * User can select a doctor and schedule an appointment from the available time slots * Online and onsite consultations * Prescriptions are sent via email * Doctor can update the medical history of the patients * Appointment cancellation facility   **Payment handling module**   * Generate invoices * Accept online and on site payments for the consultations, counseling and laboratory services   **Counselling module**   * User can select any consultant and schedule an appointment * Online and onsite counseling sessions * Prescriptions are sent via email * Doctor can update the medical history of the patients * Appointment cancellation facility   **Laboratory services module**   * User can request medical tests online * Laboratory team will visit patients’ house and takes the required sample * Results will be emailed to the user * Hard copy will be mailed if the user requests   **Notification handling module**   * Send confirmation emails to the user for transactions, appointments and changes made to the profile   **Report generating module**   * System will generate reports for administration purposes   **System Requirements**   * Processor : 1.6 GHz * RAM : 2 GB * Disk Space : 1 GB * Operating System : Windows * Web Server: Apache web server   **Technology Stack**   * HTML, CSS, JavaScript, XML, SQL, PHP * XAMPP (MySQL, PHP) * Ajax, Bootstrap * Adobe Photoshop * Sublime text   **Time schedule**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **April** | | | | **May** | | | | **June** | | | | **July** | | | | **August** | | | | | **1** | **2** | **3** | **4** | **1** | **2** | **3** | **4** | **1** | **2** | **3** | **4** | **1** | **2** | **3** | **4** | **1** | **2** | **3** | **4** | | Collecting information |  | | | |  | | | | | | | | | | | | | | | | | Analyzing |  | |  | | | |  | | | | | | | | | | | | | | | Design |  | | | |  | | | | | |  | | | | | | | | | | | Development |  | | | | | | |  | | | | | | | | | |  | | | | Testing |  | | | | | | | | | | |  | | | | | | | | | | Implementation |  | | | | | | | | | | | | | | | | | |  | | | Documentation |  | | | | | | | | | | | | | | | | | | | | |

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| **Insert Actual Word Count** | **498** |

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| **For Office Use Only** | |
| Authenticator Details have been checked and approved | **×** |
| Date assessment completed | 23 June 2020 |

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| **Feedback to Candidate** | |
| Authenticator approved Yes | Re-submit authenticator |
| Proposal approved Yes | Proposal rejected – to be re-submitted |

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| Examiner Comments | 1. There appears to be sufficient opportunity for the candidate to demonstrate expertise at the selected level (final year undergraduate). 2. The candidate is advised to consult the authenticator (when one has been approved) and / or course provider, and obtain any other relevant assistance, in ensuring that the work achieves and maintains its expected breadth and depth, and to **analyse and report on such consultation** in the final report. 3. At the level proposed, it is **essential** to consider alternative approaches for all appropriate sections of the report and describe them, and describe the selection processes followed for those finally adopted. 4. The Examiners **require** that particular care should be applied to the derivation, design, implementation and reporting of the testing of the final project, so that there is **appropriate evidence** that the outcome is fit for its intended purposes. (This **must** include **content of relevant storage** before and after the processing of a transaction, with the details of the transaction in question.) It is not enough to provide a narrative of the testing without this evidence. 5. All external sources of material must be carefully **cited**, referenced and reported; the candidate is **strongly** reminded that the “value added” nature of his/her contribution is sought, rather than the functionality inherent in the (software and application) technology employed. 6. The relevant legal, ethical, social and professional aspects of the work **must** be investigated and reported suitably. 7. The Examiners draw the attention of the candidate to the recommended style of the project report, **with particular reference to the use of appendixes**. They also draw the attention of the candidate to the expected size of the body of the report (excluding appendixes), which is 10 000 words. This word count should be included on the cover page of the report.   The attention of the candidate is particularly drawn to points 3, 4, 5 and 6 above. It is **essential** that these areas are addressed, and included in the final report.  The Examiners regret that the evidence submitted for the authenticator does not seem appropriate for the work to be carried out - the managerial experience and corresponding project supervision equivalent do not seem to be sufficient. The candidate is referred to the sections of the *Regulations* and *Notes for Guidance* which refer to these matters.  **The candidate has not yet submitted a satisfactory nomination for the authenticator. The project report may not be submitted until this has been satisfactorily completed.**  (As further guidance, the *curriculum vitae* submitted does not show five years or more in a managerial position, or where sufficient experience is demonstrated in supervising project work at Final Year Undergraduate level.) |

Once completed, please return this form to [exams@bcs.uk](mailto:exams@bcs.uk). Please note, this form will be returned to you if not completed fully and may delay your application.