**Project Charter: AUTOMATED STUDENT RESULTS PROCESSING SYSTEM**

**Part I: Project Preview**

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| **Project Name** | Automated Student Results Processing System | | | |
| **Project Charter Author** | Akeem, Solo, Eugene & Bismark | | | |
| **Proposed Start Date** | July 5th , 2021 | **Confirm Start date** | July 7th , 2021 | |
| **Project Requestor** | Ghana-Indian Kofi Annan Center of Excellence ICT | **Project Manager** | Akeem Omoniyi Amosu | |
| **Project Charter Status** | Beginning | | | |
| **Project Sponsor Signature** | Ghana-Indian Kofi Annan Center of Excellence ICT | **Date of Project Approval** | | July 5th , 2021 |
| **Proposed Project Start & End Date** | Start: July 7th , 2021  End: August 31 2021 |  |  |  |

**Part II: Project Details**

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| **Project Description** | **This Automated Student Results Processing System will be design to manage the following activities:**   * **Manage Student Results and Records** * **Allow student to print results for further use** * **Save results as a PDF file** |
| **Project Purpose** | **The purpose of this project:**  **The Design and Implementation of Automated Student Results Processing System will be develop to converting data (scores into grades, results status etc.) into a definite and meaningful information (statement of result, print results for further use and download results as PDF file)** |
| **Project Goals & Outcomes** | **The expected outcomes at the end of this project are:**   * **Easy accessible of student results.** * **Free from human errors or damages .** * **Data Security and Retrieving Ability.** * **Fast computing of results** * **Reduce paper work** |

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| **Project Scope** | **The Scope of the project includes:**   * ***The system is developed based on web technology, has a friendly User Interface and is able to work on any web browser.*** * ***The system will have five types of users: Administrators ( Director of Studies, Academic Secretary and Course Coordinator ), Instructors and Students.*** * ***The system will allow the Administrator( Academic Secretary) to register new students.*** * ***The system will allow the Administrator( Academic Secretary) to manage(Update and Delete) students records.*** * ***The system will allow the Administrator( Academic Secretary) to generate reports of student records and results.*** * ***The system will allow the Administrator(Course Coordinator) to register new Instructors.*** * ***The system will allow the Administrator(Course Coordinator) to create new courses and modules.*** * ***The system will allow the Administrator(Course Coordinator) to add a specific module to a course.*** * ***The system will allow the Administrator(Course Coordinator) to activate or deactivate a module.*** * ***The system will allow the Administrator(Course Coordinator) to manage (Update and Delete) courses, modules, Instructors records.*** * ***The system will allow the Administrator(Course Coordinator) to assign module to Instructors.*** * ***The system will allow the Administrator(Course Coordinator) to generate reports of Courses, Modules and Instructors records.*** * ***The system will allow the Instructors to add student results based on the module handled.*** * ***The system will allow the Instructors to UPDATE AND DELETE students results base on Administrator’s (Course Coordinator or Academic Secretary) authorization.*** * ***The system will allow the Instructors to generate reports of student results based on the module handled.*** * ***The system will allow the Director of Studies and the Academic Secretary to APPROVE student results.*** * ***The system will enable the students to check their results.*** * ***The system will enable the students to print their results.*** * ***The system will enable the students to download results as PDF.***   **The scope of this project would not include:**   * **The AUTOMATED STUDENT RESULTS PROCESSING SYSTEM is limited to only GHANA-INDIA KOFI ANNAN CENTRE OF EXCELLENCE IN ICT grading scheme.** * **The system does not have an email and SMS (Short Message Service) notifications for now.** |
| **Project Deliverable** | **The main deliverable of this project is to create a software that will allow students to check their results, print and save results as a PD file , provide data security and reduce human error or damages and reduce paper work. Would be easy to access, manage and work around.** |
| **Benefit** | **The software would be design:**   * **To compute student results very fast.** * **Easy accessible of student results.** * **To reduce human errors or damages.** * **Reduce paper work.** * **To provide data security.** * **To allow students access their results easily and whichever device they want access their results.** |
| **Stakeholders** | **GHANA-INDIA KOFI ANNAN CENTRE OF EXCELLENCE IN ICT**   * **DIRECTOR OF STUDIES** * **ACADEMIC SECRETARY** * **COURSE COORDINATOR** * **INSTRUCTORS** * **STUDENTS** |
| **FUTURE WORKS**  **CONCLUSION** | * **the system interface could be improved, with more attractive, interactive and meaningful images** * **The system will be enhance with an email and SMS (Short Message Service) notifications.** * **And evolve the system by developing several versions through users’ feedback, if a complete solution has not been worked out.**   **The present research was based on the computerization and the implementation of a sophisticated Web-Based Automated Student Results Processing System for the Ghana-Indian Kofi Annan Center of Excellence ICT. The main objective was to enhance and automate the management and declaration of students’ results using a computerized system. A well-defined, efficient, controlled and managed information system or software based on web technology storing, processing and providing information through the internet. And the objectives were achieved by following a process model such as system analysis, design and system implementation. The system analysis was composed of two activities, requirement determination and structuring. The first activity focused on the collection of data or requirements through structured interview, work environment observation and by collecting procedures and other written documents. And the latter, performed the modelling of the collected data and processes, transforming it into UML diagrams with the aid of a UML modelling tool which was converted into a graphically understandable manner. Just as structured analysis uses DFDs (Data Flow Diagrams) to model data and processes, systems analysts use UML to describe Object Oriented systems, on which the current system is based. UML is independent of any specific programming language and can be used to describe business processes and requirements generally. Finally, the implementation or coding of the proposed system was based on the software architecture standard, MVC and SPRING BOOT using Java programming language, which is based on the object-oriented paradigm.** |