

## **Terms of Reference for the IT Officer - System Developer**

**Job Title: IT Officer - System Developer**

**Department/Office:** AFD, IT Office

### **Summary:**

The System Developer is an experienced software developer with a proven track record of success. The System Developer is responsible for the design, development, implementation, and maintenance of our organization's application software.

### **Responsibilities:**

- Design, develop, and implement application software that meets the needs of RTC.
- With experience, lead and manage IT projects, define scope and allocate resources.
- Manage the performance and scalability of our application software.
- With experience, Mentor and coach other developers on best practices and technologies.
- Implement security measures to protect our application software.
- Manage and optimize academic and administrative systems databases to ensure data security and integrity.
- Troubleshoot and resolve application issues.
- Train and support other members of the IT team on application development technologies.
- Participate in the strategic planning of our application development efforts.
- Represent our organization at industry conferences and events.
- Stay up-to-date on the latest trends in application development.

### **Qualifications:**

- Bachelor's degree in Computer Science or a related field.
- 1-3 years of experience in application development.
- Strong experience in implementing, administering, and maintaining databases, particularly MS sql/Mysql(maria DB)
- Strong understanding of application development technologies, such as PHP, Java, .NET, and Python.
- Experience with a variety of application development platforms, such as Laravel, Spring Boot, ASP.NET Core.

- Experience with application development methodologies, such as Agile and Waterfall.
- Excellent problem-solving and analytical skills.
- Excellent communication and interpersonal skills.
- Ability to work independently and as part of a team.

**Desired Skills:**

- Cloud computing experience.
- Experience with big data technologies.
- Experience with DevOps practices.
- Experience with continuous integration and continuous delivery (CI/CD).
- Experience with open source software.
- Experience with mentoring and coaching.
- Understanding of cyber security best practices to protect sensitive student and institutional data.

**Compensation and Benefits:**

- Competitive salary and benefits package.
- Opportunity to work on challenging and cutting-edge projects.
- Collaborative and supportive work environment.

**Reporting:** Senior system administrator will report to the IT Manager, Administration and Finance Department.