

Software Development Department Annual Report - 2023

The year 2023 marked a pivotal moment for the Software Development Department at CITM, Yabatech. Through strategic initiatives and continuous improvement efforts, the department successfully executed a range of activities, ensuring the seamless operation of critical systems and introducing innovative solutions. The following highlights key achievements and initiatives undertaken during the year:

Routine Activities:

1. EED and GNS CBT for Part-Time and Full-Time Students:

- Conducted Computer Based Exams for both Part-time and Full-time students.
- Students are now scheduled for specific times to avoid long queues during the CBT exam
- Successfully pre-configured the exam server, ensuring appropriate courses are selected for students despite varying course codes at the departments.
- Improved and developed a robust verification system ensuring secure access control for students.
- Improved the question manager, facilitating seamless migration of questions from Excel to module templates for the CBT system.

2. Printing Identification Cards:

- Improved the ID card system to efficiently produce identification cards for both new Part-time and Full-time students.
- Managed the challenges posed by aged ID card printers to ensure the completion of all ID card production.
- Continuous integration of the ID card system with the registration and payment system, ensuring that only students who made payments received ID cards.

3. Result Processing:

- Maintained and enhanced the result processing system, addressing various feedback received to ensure stability and robustness.

4. E-screening:

- Continuously upgraded the e-screening system based on feedback from staff (screening officers).
- Implemented additional security measures to enhance data integrity within the screening system.

Current Activities:

1. Seamless Migration of the Payment System:

- Successfully migrated the payment system from the consultant platform to the CITM platform.

- Implemented an API for background coordination of all payments made to the college through Remita.
- Enabled students to make seamless payments through the centralized payment system and validate transactions on the new payment validation system.
- Integrated links and navigation to these systems on the college portal homepage (portal.yabatech.edu.ng).

2. Seamless Migration of Transcript Application System:

- Implemented a comprehensive transcript application system allowing alumni to request their transcript from the college.
- Provided applicants with the ability to view previous transcript applications and maintain a history of ordered transcripts.

3. Seamless Migration of Application System:

- Completely re-engineered the application system, integrating it with the O'level verification system.
- Integrated full-time post-JAMB, online applications for part-time students and HND applicants, and CODFEL applications with the O'level verification system.
- Ensured applicants are graded and admitted based on correct and verified O'level results.
- Upgraded the application system for enhanced user-friendliness, making it accessible from the portal homepage.

4. Cloud based applicant real-time grading system.

- The system is upgraded to grade admission applicant on real-time basis and offer immediate admission to part time applicant who meet the program o'level requirement

5. Extension of College ERP Modules

- The college ERP underwent an extension to enhance modules on the backend, including improvements to e-screening analytics and nominal list reporting for the school's programming.

The Software Development Department at CITM, Yabatech, demonstrated excellence in 2023 through the successful execution of routine activities and the introduction of innovative solutions. These achievements contribute significantly to the efficiency and effectiveness of the college's information technology and management systems.

Action Plan for the First Quarter of 2024 - Software Department:

The software department is set to expand its support services to meet the growing demands of students. The action plan for the first quarter of 2024 includes:

1. Enhanced Online Support:

- Strengthen the online support arm through the implementation of structured social media chat platforms.

2. Structured Physical Personnel Support:

- Improve the availability of on-site support personnel during peak hours.

3. Feedback Mechanism:

- Implement a robust email-based mechanism to gather input from students regarding their queries and struggles in effectively using our online platforms
- Use feedback to identify software areas for improvement and tailor support strategies accordingly.

By implementing these measures, the software department aims to ensure a more robust and comprehensive support system that caters to the evolving needs of the increasing student population.