Nallamuthu Gounder Mahalingam College

(An Autonomous Institution, Affiliated to Bharathiar University)

90,Palghat Road,Pollachi -642001,Coimbatore, Tamil Nadu, India.

95th Rank in NIRF –2023 among Colleges in India.

Best Practices - II
Digital NGM

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Best Practices - II
Digital NGM

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Title of the Practice: Digital NGM

In the present digitally driven world, Enterprise Resource Planning systems has been the backbone of many organizations, helping them streamline processes and improve overall efficiency. At NGM College the implementation of ERP is part of a transformative agenda aimed at providing an integrated administrative system. The key objectives of the practice are:

- To promote digitization of various aspects of College operations.
- To improve operational efficiency.
- To enhance data accuracy and integrity.
- To facilitate better decision making through real time data analysis.
- To reduce the need for paper-based processes and move towards a paperless work environment.
- To enhance overall student experience.

The Context

In the ever-evolving landscape of technology, Higher Education Institutions have embraced the advancements in IT infrastructure to streamline their operations. The increasing influx of students into these institutions has necessitated the utilization of comprehensive IT solutions for Effective Resource Management.

The Global Pandemic brought about by COVID-19 disrupted the traditional modes of education delivery, pushing institutions to adopt remote working and learning practices. In such a context, Cloud ERP systems emerged as indispensable tools for ensuring the continuity of educational processes amidst the crisis, enabling staff and students to collaborate seamlessly from remote locations.

The digital revolution spearheaded by Government of India initiatives like Digital India has paved the way for extensive digitization in the education sector. Cloud ERP solutions have aligned with this transformation, providing a robust framework for educational institutions to optimize their operations and enhance student engagement.

The Practice

CAMU ERP was implemented in the College in 2019 to provide a centralized platform for managing various functions of the College. It is used by the administrators, faculty and students in the following

Criteria:**VII : Institutional Values and Best Practices**

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areas:

i.   **Admission:** The system automates the admission process by allowing students to submit their applications online and upload required documents. Admission staffs review applications online. Once accepted students enrol and pay their fees online completing the process in a seamless manner.

ii. **Attendance Management:** CAMU ERP is used to record attendance and to monitor student attendance patterns and identify any underlying issues. Reports generated by the system offer insights for improving attendance rates and enhancing student engagement.

iii. **Lesson Plan:** Teachers use the platform to create and manage lesson plans to plan and schedule lessons, assignments and assessments based on the curriculum.

iv. **Teaching and Learning:** With the shift towards virtual classrooms and remote learning during pandemic, CAMU ERP provides a collaborative platform for online learning through virtual classrooms. The faculty also interact with students, share resources, and post video lessons.

v.   **Examination and Assessment:** Teachers create and administer various types of assessments such as Tests, Quizzes and Assignments within the system. The system calculates scores for these Online Assessments and provides feedback to students.

vi. **Outcome Measurement:** CAMU ERP facilitates curriculum design empowering faculty to define and configure PEO, PSO and CO. The faculty map CO-PO and track attainment that students are expected to achieve upon completion of their program. They also use the attainment for course improvement, thus maintaining a structured approach to curriculum management.

vii. **Student Information Management:** CAMU ERP maintains comprehensive records of student information, including Attendance Records, Grades, and Performance Metrics. Mentors record details of the counselling sessions given to their mentees and the action taken report. They also generate a consolidated report of such meetings.

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viii.   **Library Automation:** Auto Lib ERP is used in the library for cataloguing, Search and circulation management. The research articles published in different journals by the members of the staff are digitalized and made available in the Dspace repository. Dspace is available in the College website. Hence anyone can have a hassle free access to the contents of the repository.
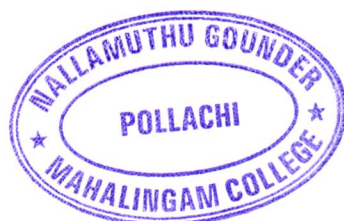
Evidence of Success

The implementation of Digitization at the Institution has led to significant positive changes in various aspects of College operations. The adoption of ERP solution has resulted in decreased administrative burdens, quicker response times to student inquiries and enhanced accuracy in data reporting. The integration of CAMU ERP has empowered students to effortlessly pay their Fees Online, eliminating the necessity for long queues and paperwork. Notably, some students who lacked bank accounts, especially during the pandemic, are also benefited from the digital payment option. Thus the digital transformation has not only improved students' convenience and accessibility but has also bridged the digital divide by extending digitization to remote areas.

Moreover, employing the ERP system for analyzing student feedback has streamlined the process of making evidence-based decisions regarding curriculum revisions. The feedback provided by 4500 students is now analyzed more efficiently and promptly, enabling the quicker identification of areas that need improvement.

Problems Encountered

Transitioning from manual processes to digital workflows poses challenges in terms of user adoption and training requirements. Ensuring adequate internet connectivity and IT infrastructure are critical factors for optimizing the efficiency of Cloud ERP systems in educational settings.

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Resources Required

- Ensuring adequate IT infrastructure is vital to support the seamless operation of Cloud ERP systems.

- Active involvement of end-users in the ERP usage is essential for maximizing system benefits.

- Comprehensive training programs are necessary to educate end-users on ERP functionalities and encourage system utilization.

- Establishing an internal team dedicated to ERP training and support enhances user proficiency and system efficiency.

- Continuous backup support from ERP vendors ensures timely assistance and troubleshooting for effective system maintenance.

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