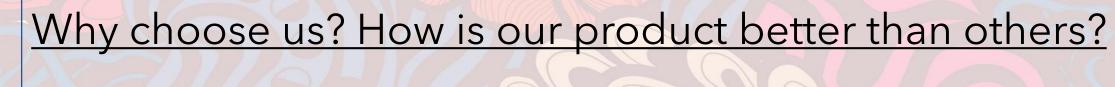


A Database-based university management system (UMS) is a digital solution that helps automate tasks. Ranging from registering students, admitting students, onboarding them, managing their fees, managing payroll for lecturers to helping students access online learning, classroom training etc.

A UMS is an education product that helps teachers, students, parents, external vendors, learning suppliers etc. come together via a platform and exchange information. The university administration can automate several of their processes such as attendance, announcements, results, campus updates, schedule changes etc. to all concerned persons. There is no limit on the number of features of the university management system, because every university will have its own set of processes that is different from another university. Therefore, a UMS should be able to help universities apply university-specific customizations as well as configure generalized workflows.



There are three primary reasons why educational establishments should build university data management software.

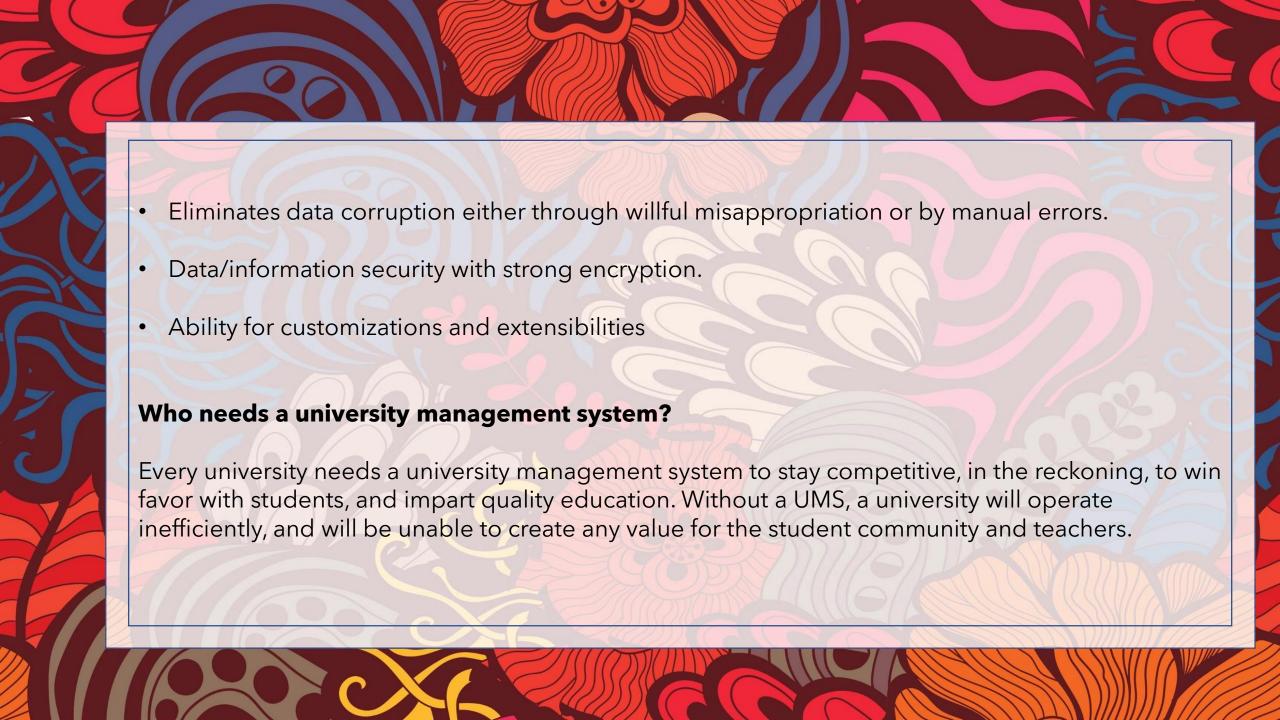
Efficiency Manual entries, filling up papers, distributing pamphlets, putting announcements on physical bulletin boards are all inefficient. When all aspects of a university student administration process are online and automated, students have better leverage, control, and clarity. It saves time, cost, and confusion. Even teachers find that managing their activities, tasks, and scheduling is easier with a UMS. Teachers, faculty, and university administration personnel can focus on more creative tasks instead of wasting time on mundane repetitive tasks.

Flexibility

A UMS provides the flexibility to define workflows as per changing university requirements. Hardwired software-based workflows prevent the university from applying case-based workflows. Instead, a flexible and highly-configurable workflow-system can support any number of use cases. It also lets the university expand its capabilities and offerings without worrying about a technological upgrade or overhaul.

Relevancy

A UMS is a bare necessity because education is becoming digital and online. Traditional classroom-based education is being replaced by virtual classrooms. The latter provides the same level of experience as the former. Added to that, virtual classrooms are a more powerful tool that enables a university to impart education to a wider and broader student base using the university ERP.





This is a C++ project so obviously C++ language is used to make this application. Concepts of Oops like getters, setters, constructor, destructors, encapsulation; Concepts of DSA like Arrays and sorting methods are also used.

It is a graphic user interface project, so a lot of hours and time were spent on tutorials, books stack and git. Being a GUI project, a lot of work went into that too.

This project is created by us in windows environment, targeting windows application as of now later expanding horizons to others OS platforms like android, Linux and iOS.

It is created in Rad Studio, Visual Studio, Visual Studio Code.

GUI tools and libraries like OpenGL, Cmake, etc.

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Mother's Name	
Mobile Number	
Address	
Registration Number	
Year of Admission	
Gender	■ Male ■ Female ■ Other
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