

Course Bidding Application for a Well-Known University

Business Context

The client wanted a course bidding application for their institute, allowing candidates to select and bid for courses online. Students were not able to view the live/current bid results including the info about the winning bid, lowest/highest bid, etc. in real-time. The process was thus time-consuming for both students and the admin.

Challenges

- Multi-phased process involving several rounds of add and drop phases
- Absence of a bidding process (live auction) to allow students to choose and bid for courses
- The system lacks inter-campus exchange of both university campuses
- Manual bidding cycles handled by the admin
- Lack of master modules to support an efficient live bidding process
- Absence of a responsive user interface

- The system is not scalable in terms of updated tools and technology
- Inability to mark attendance and provide feedback in current seating module

Solution

INDUSA developed an automated system for course bidding purposes. There were many flexible enhancements made to the course bidding system in a multi-phased process for elective and exchange bidding process. A number of validations were strategically placed in the process to glean out unqualified students.

In addition, this elective and course bidding system for two different campuses of the university were integrated with each other for better inter-campus exchange facilitation during each term. The admin and the students were able to access different modules related to the system including the subject details, course history and the likes.

The application:

- Is scalable to more number of simultaneous logins

Our sincere appreciation for all the effort put in by INDUSA team to salvage a situation which was becoming tighter by the day. We record that you have gone out of your way, even during a festival holiday, to work on our requirement and provide with a solution that worked when IT HAD TO WORK.

- Accessible through the internet/intranet and thus secured and stable
- Has 'Single Sign On' capability integrated with Windows username and password for students
- Has ability to maintain a record of transactions by various users and is available to the admin for audit
- Was made open for a set of students based on a pre-defined criteria during bidding phases
- Has ability to integrate with other third-party apps

Key Message

Development of a robust and scalable application to

The application enables live auction of courses for each elective term to help the admin and students to interact with the system. It offers an efficient exchange bidding module to incorporate outbound as well as intra-campus exchange, incorporating proper validations as per business rules.

Benefits

- Systematic course bidding process for electing courses and exchange programmes
- Facility to have a pre-defined criteria for a set of students for every bidding phase
- Minimal manual intervention
- Transparent working of the system
- Robust and scalable system with flexible enhancements and automation
- Extensive error reporting capabilities

facilitate inter-campus exchange during the elective and exchange bidding process.

About INDUSA

- SEI-CMM Level 4 certified software development firm
- ISO 9001:2008 and ISO 27001:2005 certifications
- Microsoft Partner with 4 Gold and 6 Silver competencies
- 93 per cent Microsoft-certified professionals
- CSAT score of 92 per cent
- Key services include: IT consulting, custom app development, implementation, mobile apps, modernisation, business intelligence, QA & testing, app maintenance
- GSA schedule-approved contractor
- Rated by Deloitte & Touche in Technology Fastest 50
- Unique ROI and TCO-driven approach
- Clients spread across North America, Europe and Asia Pacific

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