



iON

TATA CONSULTANCY SERVICES

Hardware + Network + Software + Services

Improve the structure of your academic process - The iON Way



"...Looking into the structuring of Academics was the biggest challenge which iON made systematic and organized ..."

Fr.Jinu Vadakkemulanjanal,
Administrator, Vimal Jyothi Engg College

The Business

Profile: Vimal Jyothi Engineering College (VJEC), established in 2002, is an ISO 9001:2008 certified institution. Affiliated to Kannur University and approved by AICTE, the vision is to bloom into a Center of Excellence for Technical Education and a pace-setter in rural India with its quality processes and procedures, interwoven with freedom of flexibility, moulding professionals of superior quality, dedicated to the progress and development of Humanity.

Key Departments: VJEC offers degrees in Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Applied Electronics, Instrumentation Engineering and Civil Engineering.

Operations: The college is an educational Project of Archdiocese of Thalassery, and is managed by the Meshar Diocesan Educational Trust. VJEC is located in the hill valley of Malabar, the northern part of Kerala.

Situation

Business Issues

- **Time table Scheduling:** Highly decentralized information flow was leading to difficulty in time table scheduling. Unavailability of analytic and digital tool was also leading to resource planning failures.
- **Faculty information management:** Tedious manual recruitment & separation process was time consuming. Lack of proper storage mechanism for employee data was leading to inaccurate and untimely reports.
- **Admission:** Under the existing admission process using the in-house solution, tracking details of a particular student was cumbersome. Additionally, the solution did not have a centralized repository of student data. It was proving difficult for students to fill forms with no online help available.
- **Hostel Management:** The rooms were being manually allocated and the details maintained in a register, which made the available information open to error and in many instances inconsistent. Retrieving old data was also a cumbersome task.

IT Challenges

- Need for a data analytics tool providing just-in-time reporting capability for extracting information in a desired report required for timely and informed decision making
- Need for providing management with visibility on seat allocation and availability during the counseling days of new Admissions
- For automated time table generation, a HRMS module interface is required for accurate leave tracking and attendance to track faculty attendance and substitution

The iON Way

- **Time table scheduler:** Automatic timetable generation creates and manages time schedule for faculty and classes thus minimizing the time, effort and resource used for manual creation and allocation. Reports produced e.g. substitution list, teacher's work load distribution, class-wise time table and teacher's time table help the institute to have all relevant information on finger tips.
- **Admission and Student Data Tracker:** Online application form module enables easy tracking and management of student data, from Prospect to Enrollment. The solution stores all the applicants' data centrally, thereby providing easy, accurate and timely retrieval of enrolled student information through the reporting tool.
- **Workforce Management:** Employee details are maintained on a central database accessible by employees enabling various pertinent functions such as applying for leave, marking attendance, performance appraisal, accessing salary receipts etc. Customizable reports are also available for extracting vital information in desired formats.
- **Hostel Management:** The Hostel module captures details of hostel requests at admission time and the allotment is carried out efficiently. Also for reallocation of hostel rooms each year the system provides information on relevant parameters to the hostel management.

To summarize

- Interoperability and integration capabilities with other systems on campus
- Workflow capability and management tools that implements checks and balances in a business process
- Paper-less knowledge sharing between the end users with an efficient technology usage
- Admission and student details related MIS reports generation
- A single, reliable and easily retrievable repository of data on HR related details established

Relevant Parts of the Software

E-forms – Online Application Management

Campus Management System (CMS)

- Admissions
- Student details
- Library
- Timetable
- Exam & Grading; Letter Printing, Hostel & Transport

Human Resources Management Solution (HRMS)

- Recruitment
- Separation
- Leave
- Attendance

Payroll

Procurement and Inventory



Why iON

iON provides a comprehensive solution that addresses varied IT requirements of your organization. From hardware, network to ERP, iON is offered as a single service, in a pay-as-you-use model, allowing you to leverage the solution's true potential as your business grows. iON ensures integration of all processes along with ease of use of the software.

You gain from:

Integrated solutions

We offer single- window IT with a pre-integrated suite of hardware, network, software and services. We ensure that your functions are digitized, automated and connected. For example, if you are using a CRM solution along with a core ERP (e.g Manufacturing), and have a document management system to organize supporting files and a HRMS, we ensure that these solutions are connected and work as one. So for you, it is simply one IT and not multiple applications. Integrated applications thus provide a comprehensive view of business enabling better decisions.

Increased agility

We bring in the agility to keep pace with changing processes or a new line of business. We help you configure the processes to work as you currently do or the software recommends and allows you to choose industry best practices based on your business parameters. The solution gives you increased convenience allowing you to perform various tasks from your mobile device, no matter where you are. Being automatically compliant with statutory requirements, the solution ensures your company is always audit ready and legally compliant.

A pay-as-you-use model

Our model eliminates capital investment up front as we facilitate procurement of the IT infrastructure and software on rent for the duration of the contract. Additionally, you only pay for the number of users who actually use the software. Thus, you pay as you use on a monthly basis which includes maintenance and training. Typically, the ROI exceeds rental within three months, when best practices are well followed.

Personalized solutions

Although iON is a cloud service, the software is configurable to each business. You will always get the flavor of your business by picking and choosing what processes you would need. Furthermore, the multilingual capability of the software allows you to customize the solution label names to read in vernacular languages (like Hindi, Marathi, Tamil etc) enabling users to learn and operate the solution with ease.

Automatic upgrades

We continuously invest in our solutions to incorporate best practices. The software is constantly enriched based on user feedback and industry and statutory changes. You will get the upgrades without disrupting your business operations or any additional cost. Being in perpetual beta ensures that there is no technology obsolescence.

Enhanced Business Continuity

Our solution offers optimal performance in normal broadband connectivity along with a stringent security mechanism to ensure your data privacy is maintained. The capacity of the solution grows with your increasing computing needs and reduces the need for IT staff. The solution is resilient to failures as the service works from back-up data centers in the event of a disaster, ensuring continuity of business operations.

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Experience certainty.



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About TCS iON

TCS iON is a strategic unit of Tata Consultancy Services focused on Small and Medium Businesses as well as educational institutions. We provide technology by means of a unique IT-as-a-Service model, offering end-to-end business solutions for the sector.

TCS iON caters to the needs of multiple industry segments, through innovative, easy-to-use, secured, integrated, hosted solutions in a build-as-you-grow, pay-as-you-use business model. We serve our clients with the help of best practices gained through TCS' global experience, domestic market reach, skills, and delivery capabilities.

For more information, visit us at www.tcsion.com

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About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled infrastructure, engineering, and assurance services. This is delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development. A part of the Tata Group, India's largest industrial conglomerate, TCS has a global footprint and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

For more information, visit us at www.tcs.com

IT Services

Business Solutions

Consulting

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