Hitachi MGRM Net
ENABLING NEXT GEN TECH

™

MStar® College Expert System

THE REASON WHY
AN EFFICIENTLY RUN
COLLEGE
BECOMES SUSTAINABLE

MStar
Complete Education
COLLEGE

Network of Exclusive Technologies

A well managed College is Reputable, and Sustainable

The benefits of a good reputation

A College builds a reputation on its academic and extra-curricular programs, and is celebrated for its success in such programs. This success invariably creates a larger reputation, growing popularity and a better quality of applicants. Which in turn leads to being able to invest in the best resources for its students. All this results in a virtuous cycle, where every stakeholder benefits directly.
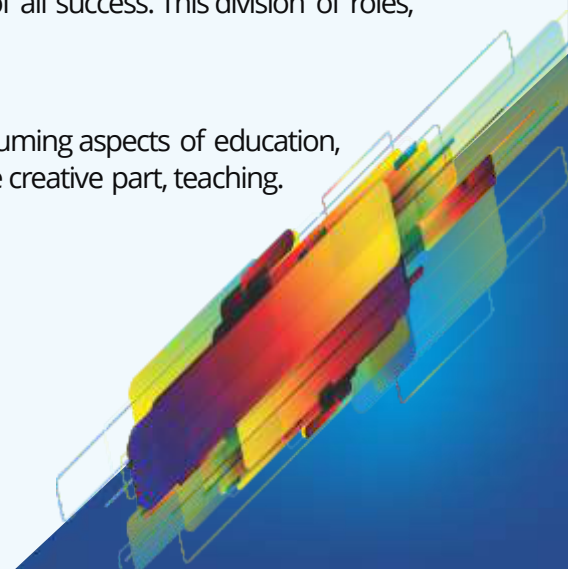
Focus on your strengths

It stands to reason that colleges with focus on running their academic and extra-curricular programs well are extremely popular and profitable. This focus is, of course, the basis of all success. This division of roles, in our experience, works wonders for both, students and faculty.

MStar® College Expert System

MStar® College Expert System takes away the uninspiring and time consuming aspects of education, leaving the academic staff to concentrate their enthusiasm on the more creative part, teaching.

MStar College Expert System promotes educational and economic viability in colleges using research, analytics, and groundbreaking technology.

Your Role

· Academic program · Literary program · Sports program　· Outreach program
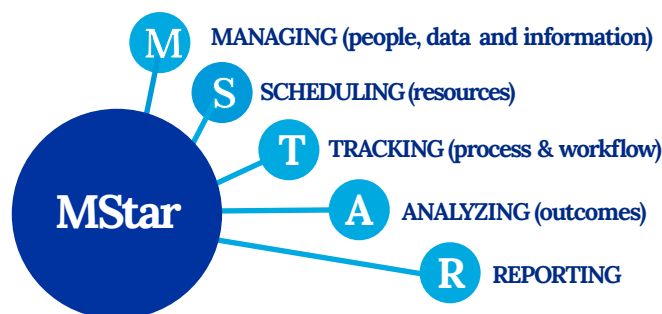· Recognition & Rewards

Our Role

Modules

MStar CES is a comprehensive system featuring modules that address every aspect of your colleges academic and administrative function.

By facilitating well-defined steps in college functions -- from admission to attendance to exam evaluation to fee management to payroll -- the modules of MStar CES offer a comprehensive solution on a single integrated system.

· Admission	· Finance	· Scheduler
· Committee	· Health	· Setup
· Consultancy	· Human Resources	· Sports
· Document Handling	· Inventory	· TOM
· Dormitory	· Legal Department	· Transport
· Examination	· Library	And more
· Extra Curricular Activities	· Payroll	
· Fee	· Provost Office	
	· Purchase	

What is MStar®

- **M** MANAGING (people, data and information)
- **S** SCHEDULING (resources)
- **T** TRACKING (process & workflow)
- **A** ANALYZING (outcomes)
- **R** REPORTING

MStar

Lifecycle Approach

MStar College Expert System is driven by the concept of Multi-Completeness, guided by the IITT methodology. IITT begins with sharing of Information that initiates an Interaction leading to a Transaction resulting in a positive Transformation.and Multi-Completeness.
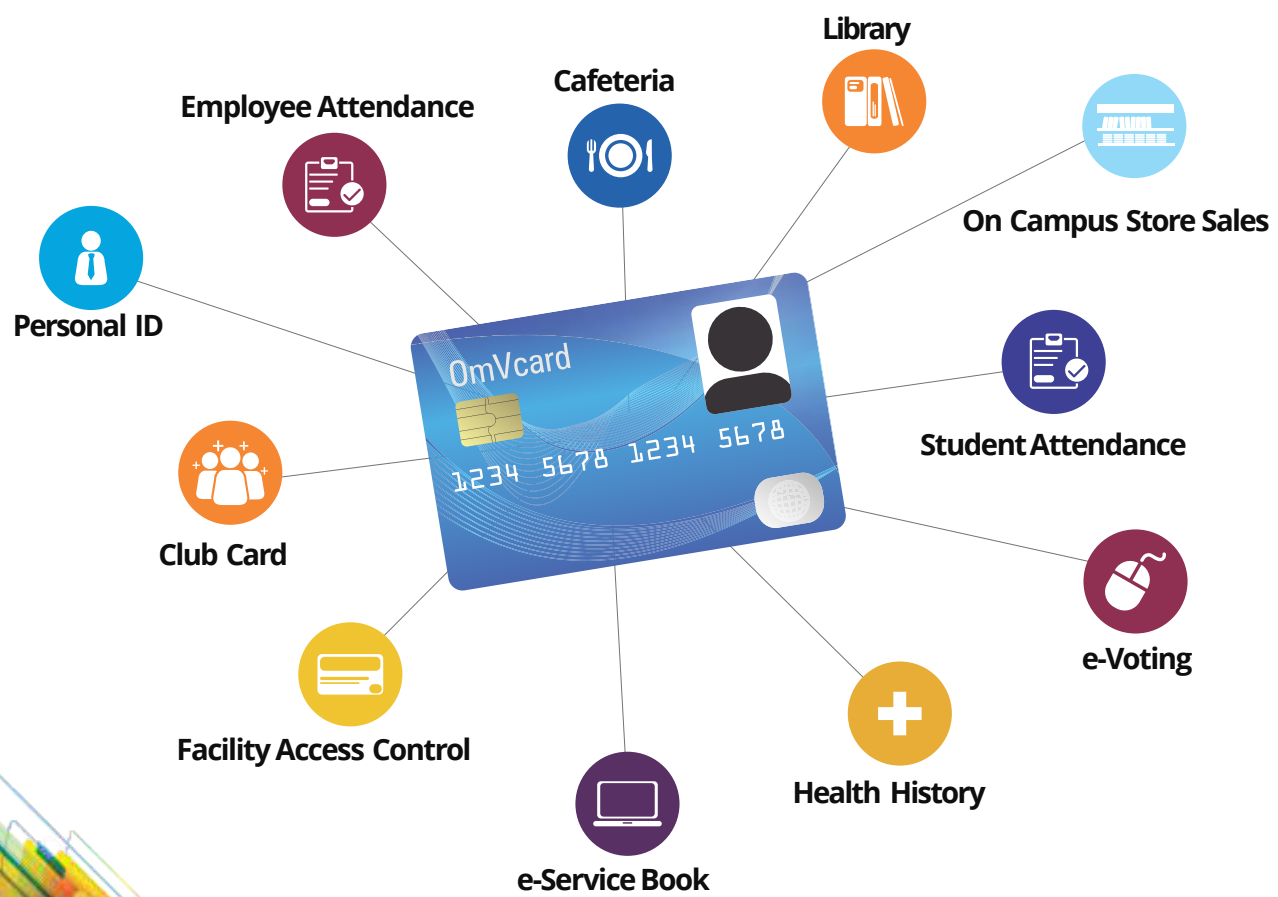
Equipped with this life cycle approach the complete span of education from pre-primary to higher education is targeted for improvement.

MStar STAMP Benefits

Students	Teachers	Alumni	Management	Parent/Guardian
Ÿ Participative counseling	Ÿ Automatic monitoring and tracking of performances via grades, assignments, alerts and queries	Ÿ Alumni-alumni & college-alumni networking	Ÿ Focus on improvement of existing programs	Ÿ Access to real-time information about the progress of their ward, allowing them to identify the educational needs requiring their attention
Ÿ Better understanding of academic content	Ÿ Course progress via lesson plans, assignments, automatic assessments (LSP)	Ÿ Participate in building 'social' capital	Ÿ Focus on starting new programs	
Ÿ Benefit from career planning, skill development & workplace preparedness	Ÿ Qualitative analysis of performance for behavioral patterns	Ÿ Greater prestige: ability to leverage resources	Ÿ Focus on strategic objectives	Ÿ Access to regular communications about attendance, tests, missed assignments, grades, cumulative GRA, etc.
Ÿ Understanding of processes and workflows	Ÿ Allows for timely corrective measures to help focus the student on his/her studies and interests	Ÿ Personal satisfaction by contributing to educate students	Ÿ Take timely action for better budgeting and allocation of funds	
Ÿ Greater sense of self efficacy	Ÿ Assist students with academic programs	Ÿ Greater involvement in college governance	Ÿ Information available in the required format via Information Builder and MIS reports - no compilation required	Ÿ Feedback mechanism: Reduced dependency for information direct
Ÿ Commitment to lifelong learning	Ÿ Ubiquitous interaction with parents	Ÿ Be a critical addition to workforce	Ÿ Sharing of real-time information about college and its students via portal and regular communications	Ÿ Enables informed decisions
Ÿ Increase student interactions		Ÿ Alumni are at reach to contact if need be	Ÿ Tapping alumni potential for academic and other programs	
			Ÿ Comply with statutory requirements	

Benefits of OmVCard

Ÿ Provides unique ID of user throughout the institution & outside the campus

Ÿ Multi-purpose card for Library, Examination Hall Ticket, Student Election, Cafeteria, Fee, etc.

Ÿ Secure based access depending on user and /or role

Ÿ Tracks usage of services (transactions /movements within the System)

Ÿ Monitors attendance pattern of student /employee attendance

Ÿ Downloads complete student transcripts & employee service records

Ÿ Maintains complete & up to date health information & allows ready access in emergencies

Ÿ Supports cashless transactions (e-purse)

Ÿ Responsibilities can be added, deleted, updated centrally for an individual or group

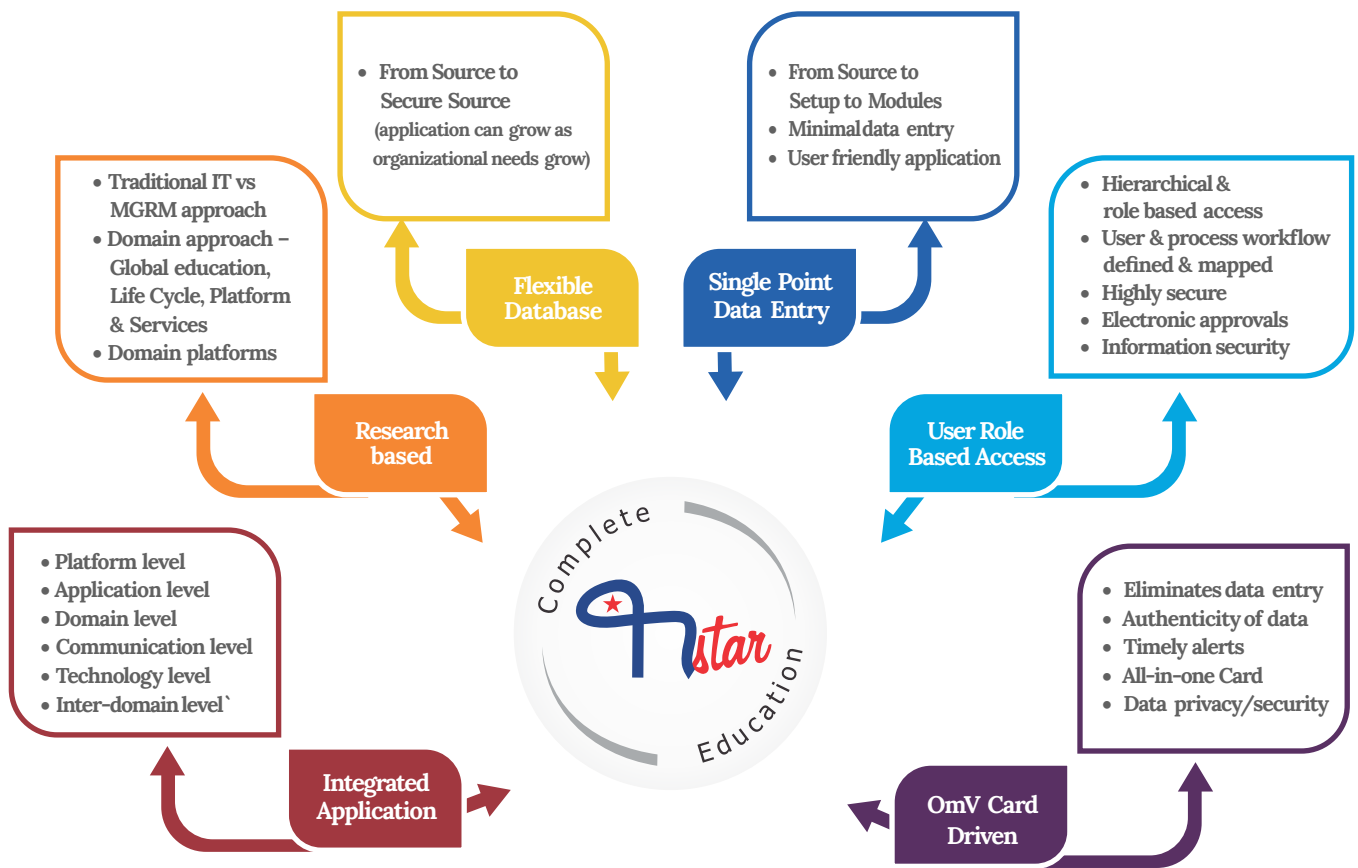**Library**

Cafeteria

Employee Attendance

On Campus Store Sales

Personal ID

OmVcard

1234 5678 1234 5678

Student Attendance

Club Card

e-Voting

Facility Access Control

Health History

e-Service Book

Scalability

Size	**MStar ™ CES can cater from "1 to N" institutions**
Users	**From "1-N" users**
Location	**From one location to multi-locations**
Culture	**Every educational system of the world embedded within**
Type	**Schools, Colleges, Universities**
Category	**From Residential, Public, Private Clusters to Vocational, Technical, Medical, Agricultural, Pharmacy, etc.**
Infrastructure	**From Bare Minimum – Advanced ICT environment**
Scale	**From Rural to District to State to Country**
Level	**Public (End Users), Institutions (Schools, Colleges, Universities), Administrative (Regulatory & Governing Bodies)**
Needs	**Caters to the needs of an individual, throughout his lifecycle, starting from Pre-Delivery to Birth to Career**

Technology Edge

Ÿ Integration of all the colleges with the Department of Education and the different Directorates

Ÿ Supports e-Learning through the use of ICT tools

Ÿ Three Layer Three Tier (3L3T) architecture prompting   instant action and timely services to all users

Ÿ In compliance with the MGRM Engineering Practices (MEP) environment. MEP includes domain standards, module-functionality-feature-screen standards, database standards, middle-tier and Look & Feel standards among others

Ÿ Application complies with open source standards of TCP/IP, DCOM, ODBC, CORBA, and others. In addition, multiple layers of security has been built into the System

Ÿ System architecture is Web-Oriented with the options including Software as a service (SAAS), Platform as a Service (PAAS), Data as a Service (DAAS), Extended Cloud Services and Mobile Services

Ÿ CMMi Level 5 assessment from CMMI Institute, Carnegie Mellon University, USA

Ÿ Recognized as the only company by Ministry of Science & Technology, Government of India for conducting research in education

MStar Education Ecosystem

Flexible Database
- From Source to Secure Source (application can grow as organizational needs grow)

Single Point Data Entry
- From Source to Setup to Modules
- Minimal data entry
- User friendly application

Research based
- Traditional IT vs MGRM approach
- Domain approach – Global education, Life Cycle, Platform & Services
- Domain platforms

User Role Based Access
- Hierarchical & role based access
- User & process workflow defined & mapped
- Highly secure
- Electronic approvals
- Information security

Integrated Application
- Platform level
- Application level
- Domain level
- Communication level
- Technology level
- Inter-domain level`

OmV Card Driven
- Eliminates data entry
- Authenticity of data
- Timely alerts
- All-in-one Card
- Data privacy/security

Complete Mstar Education

Client Experience

Our customers have experienced the benefits of product applicability, technological excellence, pre & post implementation support and training. Each of their testimonials has reflected their positive impression - the end result of truly sincere and honest customer interaction.

Summary of Client Testimonials

- Complete satisfaction with the efforts put in by Hitachi MGRM Net in meeting client requirements and delivering the complete product
- Satisfaction with the provision of necessary training to college users and all other stakeholders. Plaudits for consistent hand holding support in resolving issues, which strengthens user morale.
- Appreciation expressed on enhanced performance of students and faculty following successful implementation of performance related system
- Good record of increase efficiency, speed and transparency after implementation of M-Star Education Expert System.
- Timely decision making through access to accurate information thereby facilitating and take adequate and timely corrective actions.
- Automation of the entire institution including student admission, fee, internal assessment record, attendance and examination.
- Automation of personal service record of employees, payroll, leave account and other details facilitating efficient management.

Clients

M-Star CES is developed using proprietary technology which can be configured to meet the needs of various categories of colleges

Institutions in India

Several educational institutes across India have successfully implemented the system. Colleges of different categories can adopt this system including

- Public /Govt College Expert System
- Community College Expert System
- Agricultural College Expert System
- Arts College Expert System
- Business College Expert System

- Management College Expert System
- Forensic Science College Expert System
- Veterinary College Expert System
- Engineering College Expert System

Institutions in USA

- Virtual Middle & High schools
- Unified School Districts
- Consolidated School Districts
- Private Schools designed for academically competitive independent learners such as Home Schooling, Private, Parochial & International Students

Institutions in China

Hitachi MGRM Net established a Partnership with International Consortium for University Exchanges (ICUE), China

This permits facilitating high-quality instructional experiences through MStar LSP to Chinese students intending to enter top 100 US universities

M-Governance for Government

MGRM's M-Governance & MStar systems to be implemented nationwide

Track Record and Successes

MStar College Expert System is the result of three decades of research and development.

It delivers greater than 40% more than any other college management software, because of its in-depth understanding of college management and administration functions.

MStar helps collect and analyze data and disseminate information to each stakeholders namely- Students, Teachers, Alumni, Management, and Parents.

The information and analytics reports made available to all the college stakeholders enhances their experience in all respects and can be acted upon immediately, leading to positive results.

This level of data management saves the college considerable investment in excess staffing while providing insights into how the college can continuously improve itself.
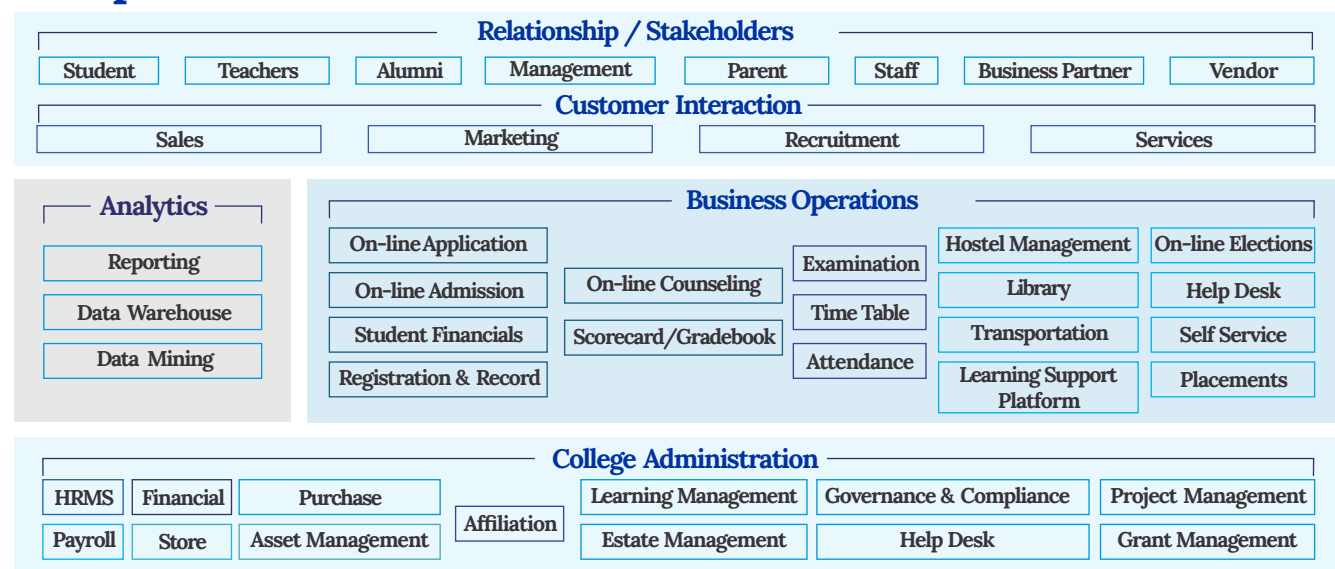
Hitachi MGRM Net

Hitachi MGRM Net Limited, is a joint venture company between Hitachi Ltd. (Japan) and MGRM Inc. (USA)

Hitachi MGRM Net Ltd. spearheads MGRM's e-governance activities across the Indian sub-continent. It is a large global research initiative with the goal to focus on 'each individual to develop into a complete citizen' and crafts social innovation solutions under multiple domains covering citizen life cycle

The team has created revolutionary technologies in different domains and translated these into enduring business opportunities.

Comprehensive MStar Solution Suite

Relationship / Stakeholders

| Student | Teachers | Alumni | Management | Parent | Staff | Business Partner | Vendor |

Customer Interaction

| Sales | Marketing | Recruitment | Services |

Analytics
- Reporting
- Data Warehouse
- Data Mining

Business Operations

On-line Application	On-line Counseling	Examination	Hostel Management	On-line Elections
On-line Admission		Time Table	Library	Help Desk
Student Financials	Scorecard/Gradebook	Attendance	Transportation	Self Service
Registration & Record			Learning Support Platform	Placements

College Administration

| HRMS | Financial | Purchase | Affiliation | Learning Management | Governance & Compliance | Project Management |
| Payroll | Store | Asset Management | | Estate Management | Help Desk | Grant Management |

"Hitachi MGRM Net also offers other products that help manage online admissions and online recruitment of the faculty as well. Additional products such as MStar CMS is very effective in managing a responsive, dynamic online presence, while MStar LSP helps you conduct training programs to enhance the skills of your teaching and non-teaching staff working at different locations."

CMMI SVC / 5

GeM Government e Marketplace

ISO ISO/IEC 27001:2013
ISO ISO/IEC 20000-1:2011
ISO ISO 9001:2015