

# ◎ COMPARATIVE ANALYSIS

## IT Systems and Software Implementation Methodology

of Scindia School Vs (Salwan School and/or Proposed MGRM solution)

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### OVERVIEW

Relative analysis is done from three viewpoints:

1. IT Strategy and Facilities
  - Considerations
  - Some Facts
2. IT Systems Implementation Methodology
3. Features and Functionality Assessment (For all software)

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### STRATEGIC CONSIDERATIONS

- Scindia School and Salwan School are two different schools with different requirements. While Scindia is all boys residential school with EIGHT/NINE hours of student time per day, Salwan is SIX hours per day school
- Scindia School has reached the level of satisfaction with their software automation and for past three years, their single focus/objective is to build create a study environment and infrastructure where students could use computers as tools to maximize their subject learning

## SOME FACTS

SNo	Topic	Scindia	Salwan (Current Practice)
1	<b>IT Budget</b>	66 Lac per annum	14.3 Lac (Total IT expense on for year 2005-06)
2	<b>IT Infrastructure</b>	350 Networked Computers	Sawan: Networked Labs for Biotech, Physics, Computer , Admin and Accounts Deptt with Internet
3	<b>Computer Labs</b>	4 Labs	3 Labs
4	<b>Resource Center for Teachers</b>	1 Lab with 18 Computers	1 Lab with 17 computers
5	<b>Testing Lab (Computer based Learning/Education)</b>	1 Lab with 40 computers dedicated	Tie up with Educomp has been proposed
6	<b>Model Class Rooms for Multimedia based Education</b>	4 Model Class Rooms	Smart Class Project under consideration
7	<b>Total Students</b>	580 Students	2000 Students (approx)
8	<b>School Fee</b>	1.4 Lac per annum	0.25 Lac per annum
9	<b>IT Infrastructure Management Team</b>	6 Scindia Personnel	2 personnel + support from Staff
10	<b>IT Application Software Mgmt Team</b>	7 NIIT + 2 Scindia Personnel (Also Included in point 9 above)	In House by Staff
11	<b>IT Strategic Partnership</b>	With Microsoft for all original softwares. With NIIT for all Educational Software needs	Few options have been considered. No final decision yet
12	<b>Data Entry Work</b>	Outsourced or NIIT	In House by Staff
13	<b>Website Management</b>	Outsourced	Website regularly updated with assigns, syllabus by school Staff.

## COMPARISON: IT SYSTEMS IMPLEMENTATION

Sno	Approach	Scindia School	Vs MGRM or Salwan's Approach
1	<b>Vendor Management</b>	Multiple Vendors, Eg Smart Cards System - Different Vendors for Cards, Printing, Machines and Software.  (Purposely selected Approach to realize best and low cost options. Helps avoid monopoly)	MGRM is single Vendor Solution
2	<b>Hardware Maintenance</b>	In House by Scindia School	In House by Salwan
3	<b>IT Software Maintenance</b>	Mixed (In House + Outsourced)	Mixed
4	<b>Softwares in School</b>	Varied Types of softwares, such as Custom Development, Standard Products, Third Party Utilities or New Solution Development  Implementation type: <ul style="list-style-type: none"> <li>• Standalone</li> <li>• Client - Server</li> <li>• Internet Based</li> </ul>	<b>Salwan:</b> Tally, Vetan-maan, Fees Mgr, Library Mgr etc are in operation  <b>MGRM's:</b> Single Unified Software Approach  TBD: Cost Benefit. Or other Adv Vs Disadv
5	<b>User friendliness (teachers + staff)</b>	Discussed later in this document	
6	<b>Features and Functionalities</b>	Discussed later in this document	
7	<b>Software Roll Out, Strategy</b>	Phase Wise Implementation Method	1 year for total Implementation by MGRM
8	<b>HR Training and Testing</b>	Complete Responsibility of NIIT	MGRM will handle Specifics to be finalized
9	<b>Post Deployment Responsibilities</b>	Mixed (NIIT + Scindia)	MGRM will handle Specifics to be finalized
10	<b>Change Management</b>	Complete Responsibility of NIIT (QC decides if changes are chargeable)	MGRM will handle Specifics to be finalized
11	<b>Software Up-Keeping</b>	In House Staff	MGRM + Salwan Specifics to be finalized
12	<b>IT Policy, Quality Control, Rules and Regulations</b>	Clearly Defined in Words and Strictly Adhered to	To be formulated

## COMPARISON: FEATURES AND FUNCTIONALITIES

SNo	As Proposed by MGRM	Scindia's Method	Comments or Salwan Method
1	<b>Single Unified Software Approach</b>	Multi Vendor, Multi type Software Integrated into one networked System	TBD: Benefits Vs Shortcomings
2	<b>SMS, E-Portal and Website are a combined together as part of one single solution</b>	Managed by Separate Companies. At times, additional efforts are required for up-dation	TBD: Cost Benefit Analysis
3	<b>For optimum utilization → historical data entry will be done by MGRM, New Data will be entered by Salwan Staff</b>	New System has been build or evolved around existing work system. Uncomplicated and Safe Approach	Salwan: Currently managed In House
4	<b>System works only through SMART Card. Smart Card contains greatly detailed information about Student's school related information</b>	Smart Card has limited implementation and usage for accounting. Also, for authorized or restricted access to areas and facilities	TBD: Requirement Specifications and/or Cost Benefit Analysis
5	<b>Financial Management System integrated as part of MGRM.</b>	Entire system is build around Tally. Plug-in Components have been developed for additional support	For FA currently Nac software is being used.
6	<b>Departments such as Library, Time Table, Accounts, Attendance, Transport are all combined into one</b>	Separate Solutions for the Same. Knitted together through custom s/w or third party plug-ins	Salwan: Few departments are Automated with limited standalone capacity
7	<b>Such system could offer better Inter department Reports and Comparisons</b>	Report Mapping requires additional efforts as it is not a built in feature.	-
8	<b>Better Resource Capacity Analysis (Time, Money, People and Infrastructure)</b>	Requires Additional Effort.	-
10	<b>User Friendliness – As told by Teachers and Staff who uses such systems at Alcon, where MGRM is implemented</b>	Principal, IT Manager and also NIIT Staff expressed great satisfaction on their system capabilities	-