

INNOVATIVE MANAGEMENT IN EDUCATION

The Malaysian Perspective: The Smart School Management System

by

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Outline

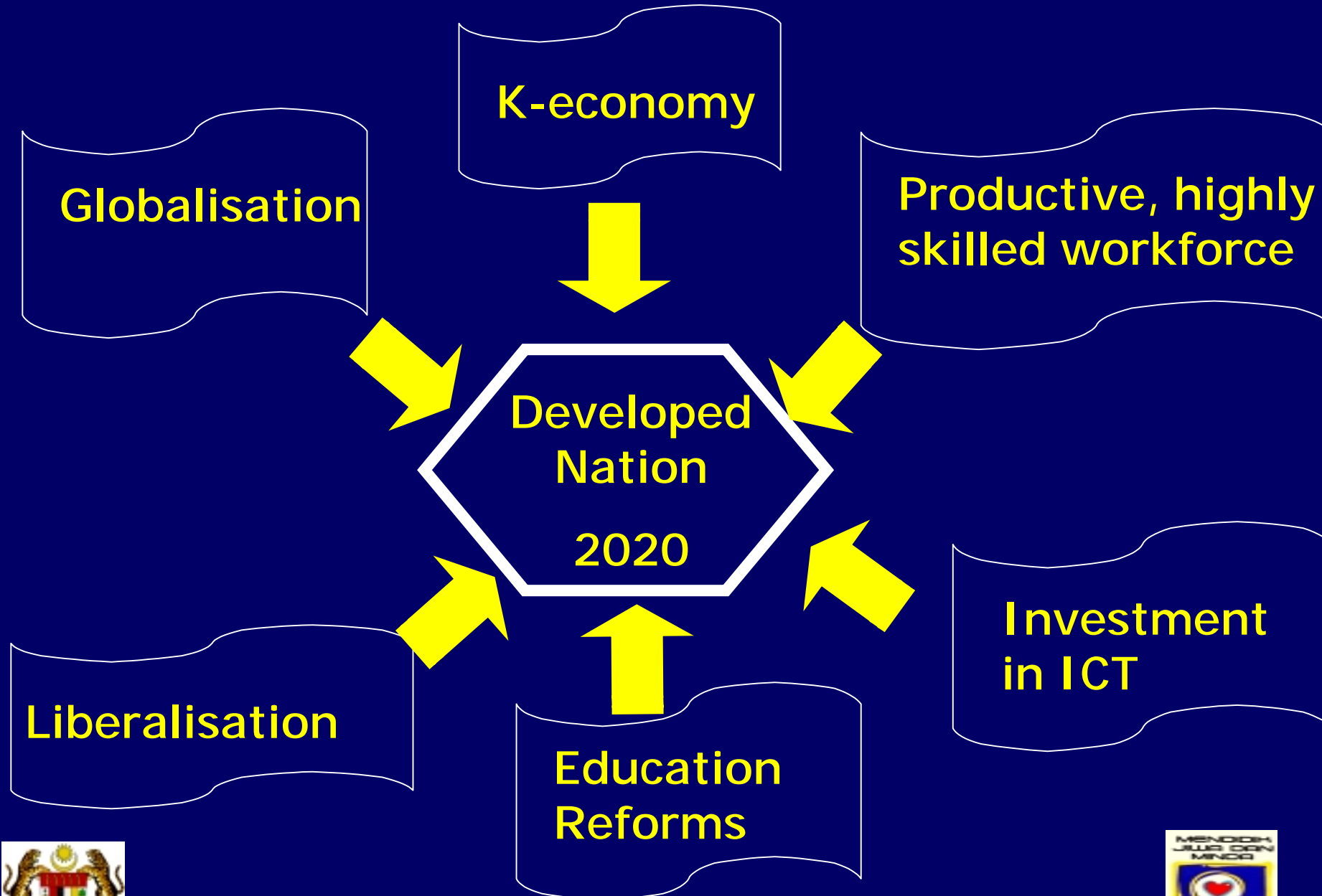
Introduction

Aim and Components of the Smart
School Management System (SSMS)

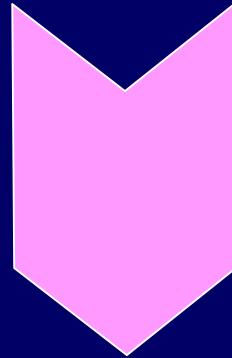
Feedback on Implementation of SSMS

Challenges and Recommendations



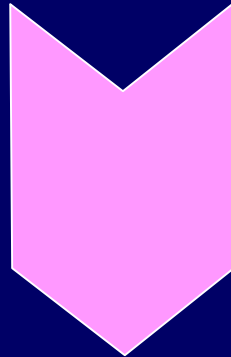


**Pilot Phase
(1999-2002)**



87 schools

By 2010



**4 'A' schools – 400
pcs**

**83 'B' schools – 40
pcs**

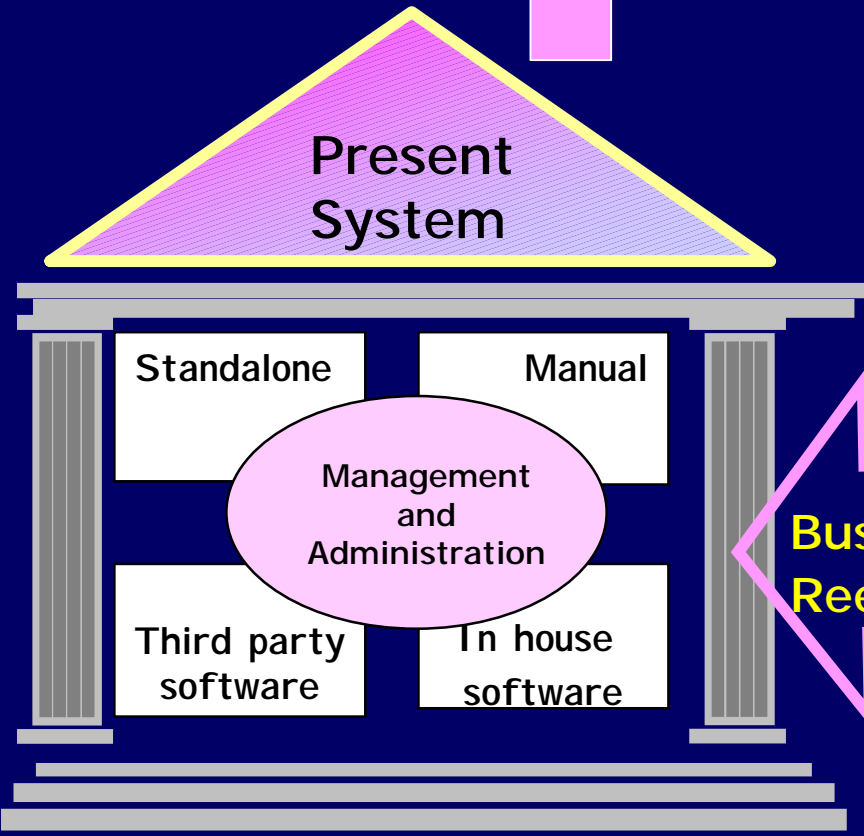
All schools

There are a total of 9400 schools

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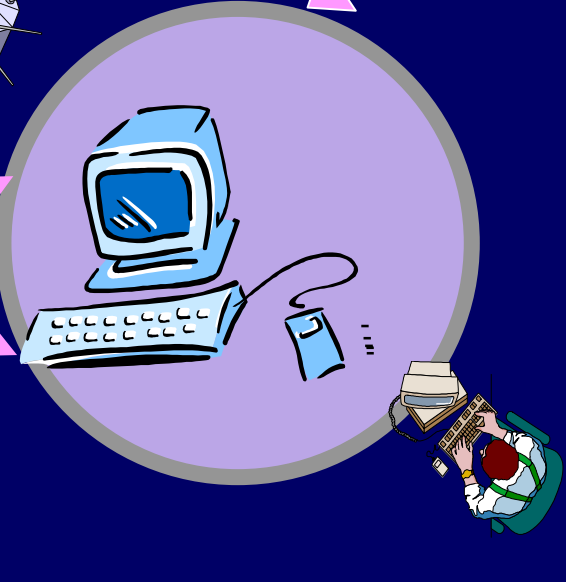


Changing School Management practices into one that is IT-enabled



Smart School Management System (SSMS)

Business Process Reengineering



Model Presented to Company Building the SSMS



People

Delineation of People and Functions

Functions

Principal/Headteacher

Senior Assistant for Administration

Senior Assistant Student Affairs

Panel Head

Exam Secretary

Co-Curriculum Coordinator

Discipline Teacher

Counsellor

Librarian

Library Advisor
Clerk

Facilities Supervisor

Course Committee Member

Project Committee Member

Project Advisor

Warden

Chief Warden

Hostel
Supervisor

Student

IT Supervisor

Teacher

School Teacher
Placement Officer

Academic

Non Academic

Guard

State Teacher
Placement Officer

State Staff
Deployment Officer

Attendance: Staff, Student

Staff Management

Staff Appraisal

Web Applications: School
Records, Data Centre

Timetabling

Co-curricular Management

Hostel Management

Curriculum Management

Student Profile

Library Management

Lesson Planning

Tests Management

School Profile

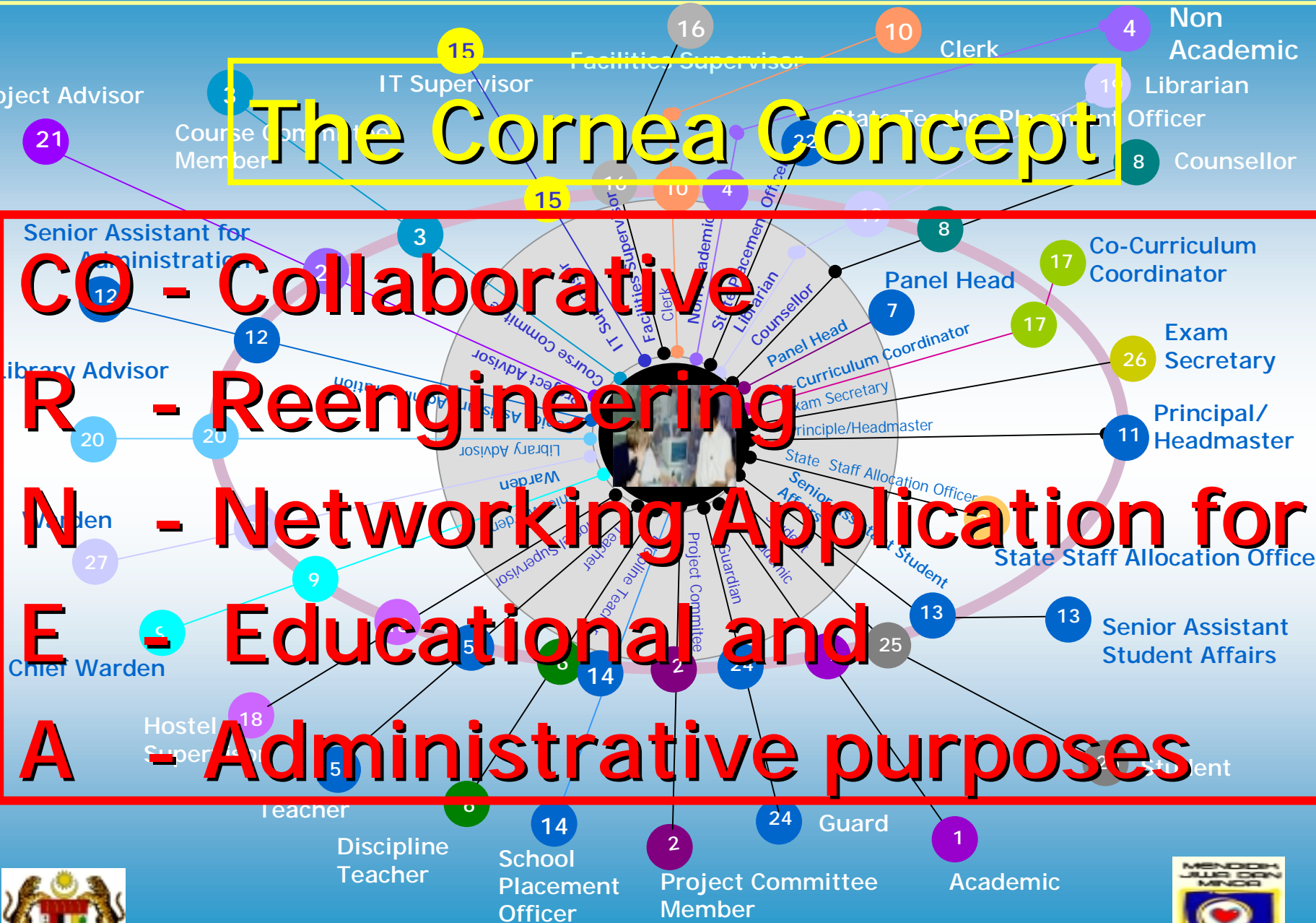
Financial Management

Facilities Maintenance



The Cornea Concept

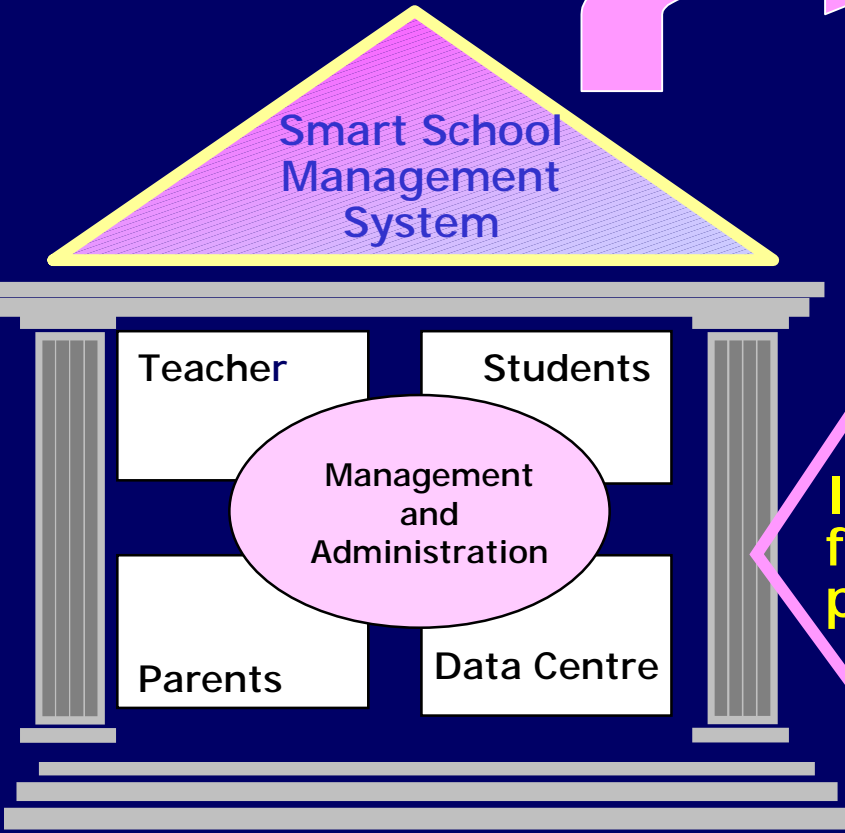
C - Collaborative
R - Reengineering
N - Networking Application for
E - Educational and
A - Administrative purposes



Each individual's roles and functions mesh into a seamless integrated management system

Made possible by ease of communications and data base

Smart School Management System (SSMS)



Integration of functions and processes





Examples of Applications

Human Resources



Challenge

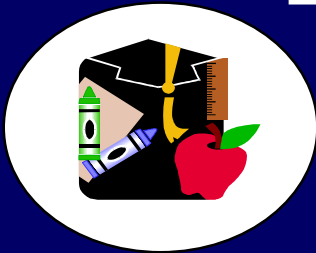
Staff record keeping tedious



Smart School Solution

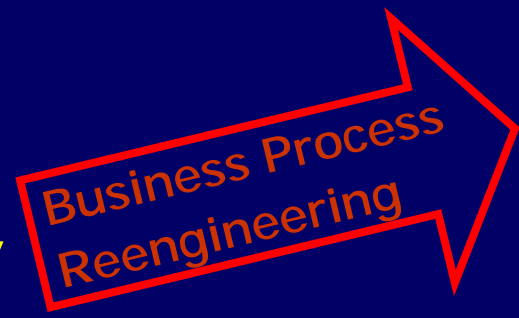
Staff records in data base for easy retrieval and reference

Educational Resources



Challenge

Tedious to review teachers' planning for week



Smart School Solution

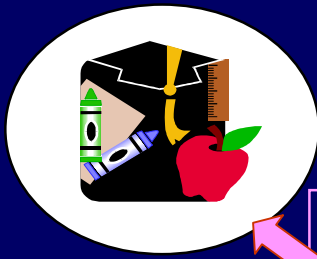
Workflow in place for submission and retrieval of lesson plans





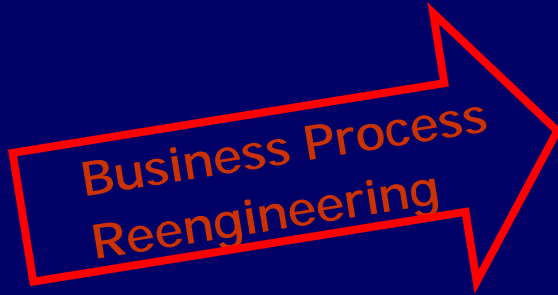
Examples of Applications

Educational Resources



Challenge

Teachers prepare own lesson plans – time-consuming



Smart School Solution

Enables sharing of lesson plans and reuse of previous lesson plans

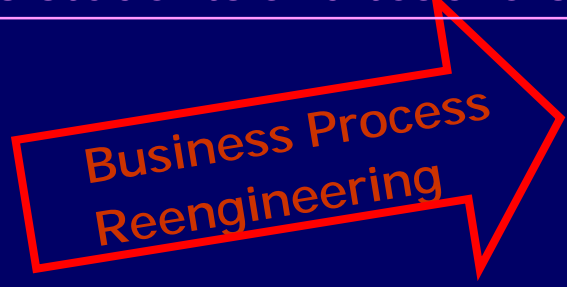
1592 titles learning courseware for 4 subjects accessible to students and teachers

Financial Management



Challenge

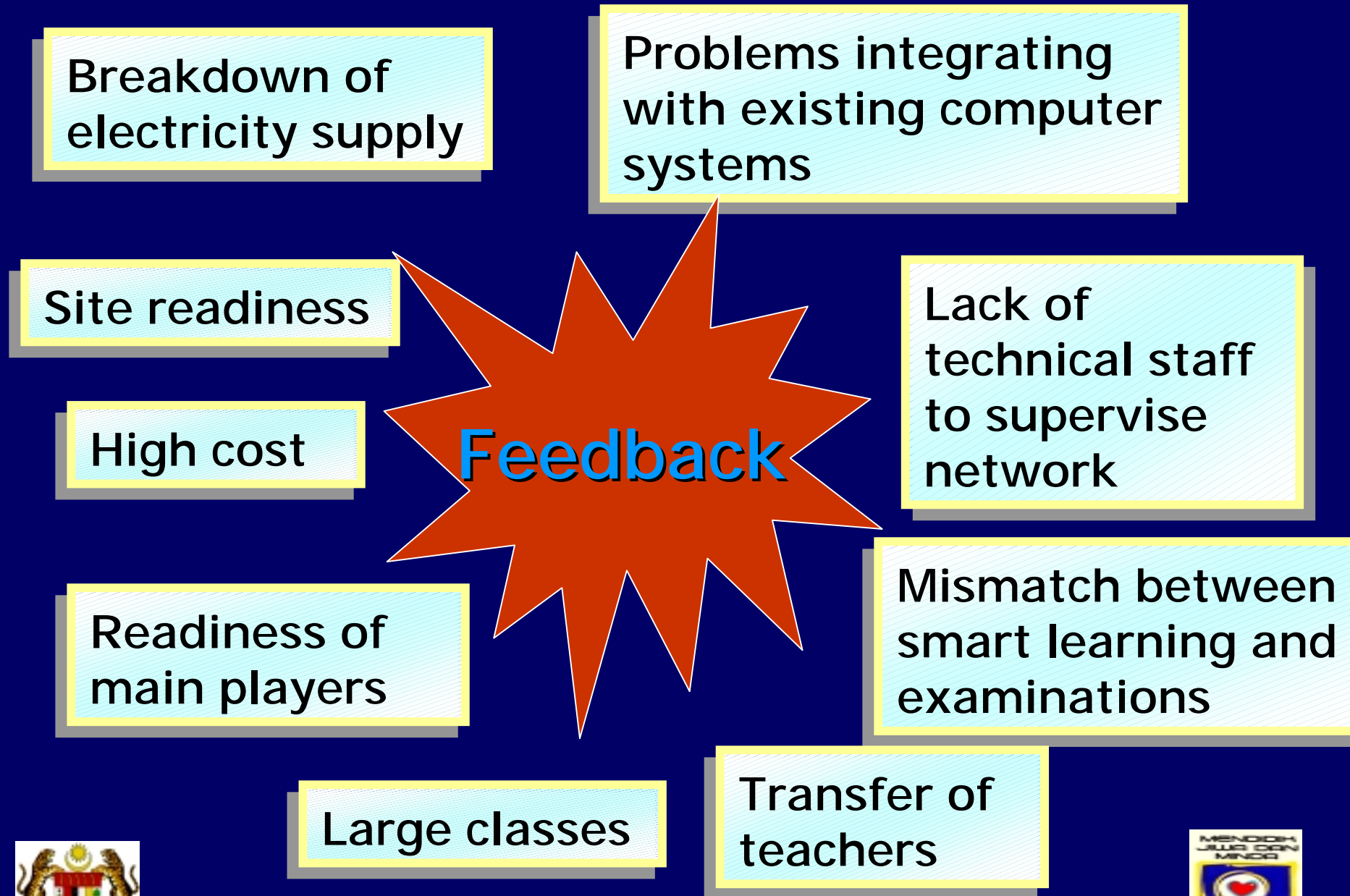
Fee collection tedious and time-consuming



Smart School Solution

Central fee collection; easy monitoring





Challenges and Recommendations

- Extension of the Smart School Concept
- Ongoing training and retraining of teachers
- Malaysian Grid for Learning for materials and networking
- Need for broad bandwidth

