

TECHNOLOGY INTEGRATION
(INTERACTIVE WHITEBOARD)
SCHOOL OF EDUCATIONAL STUDIES
UNIVERSITI SAINS MALAYSIA

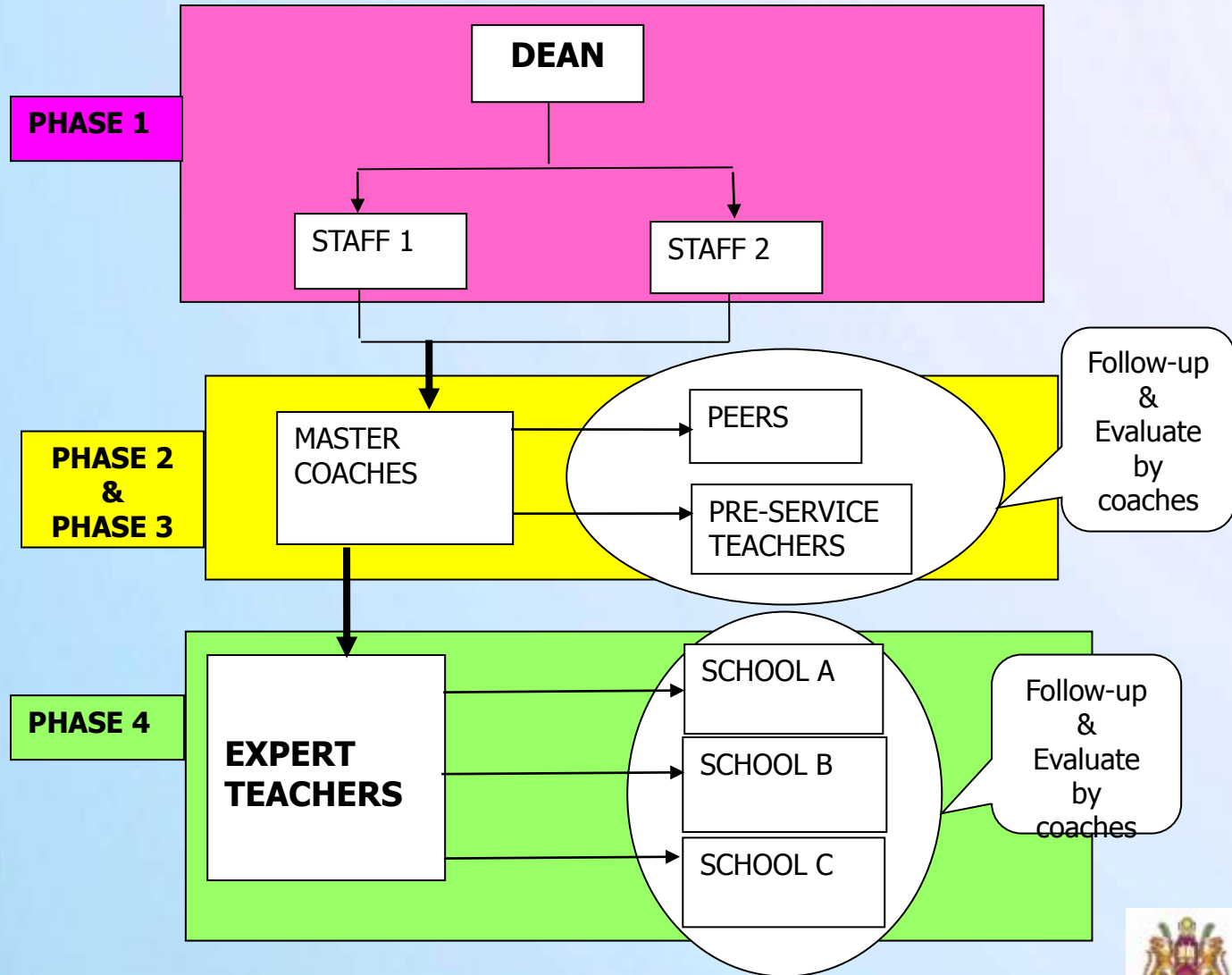


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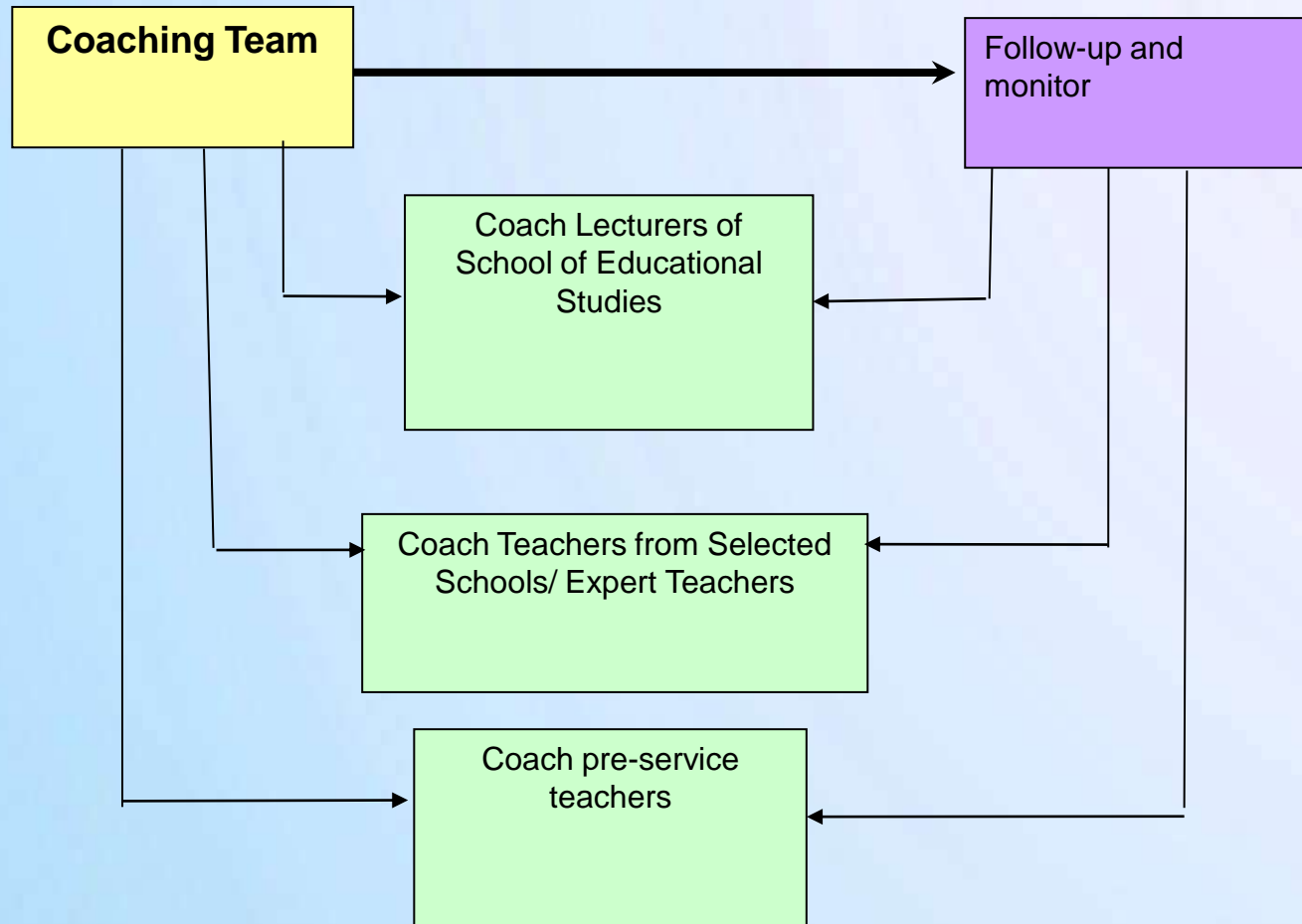
CURRENT SCENARIO:

- The first stage in heightening the level of use of technology for teaching and learning was to determine the current use of technology in teaching and learning.
- Direction to go – encourage integration of variety of technology in classroom activities.

THE STARTING POINT..



The flow of the process of integrating technology into teaching and learning; from the School of Education in USM (lecturers and pre-service teachers) to in-service teachers in schools.



First training held for the Coaches on the 21st-22nd of March

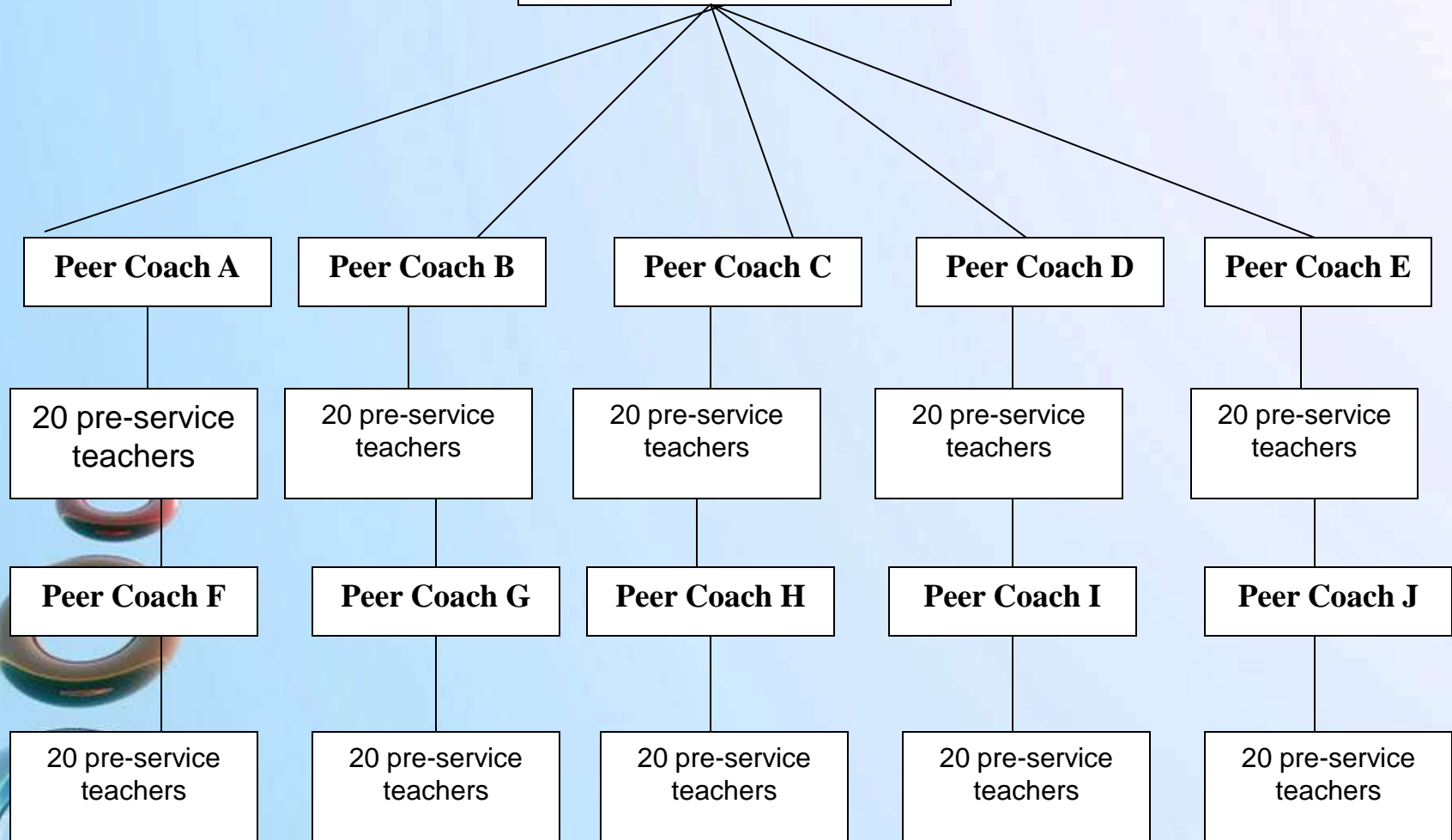


The Dean with the Trainer
of SmartBoard – Ready to train the
coaches in the I-SmartLab

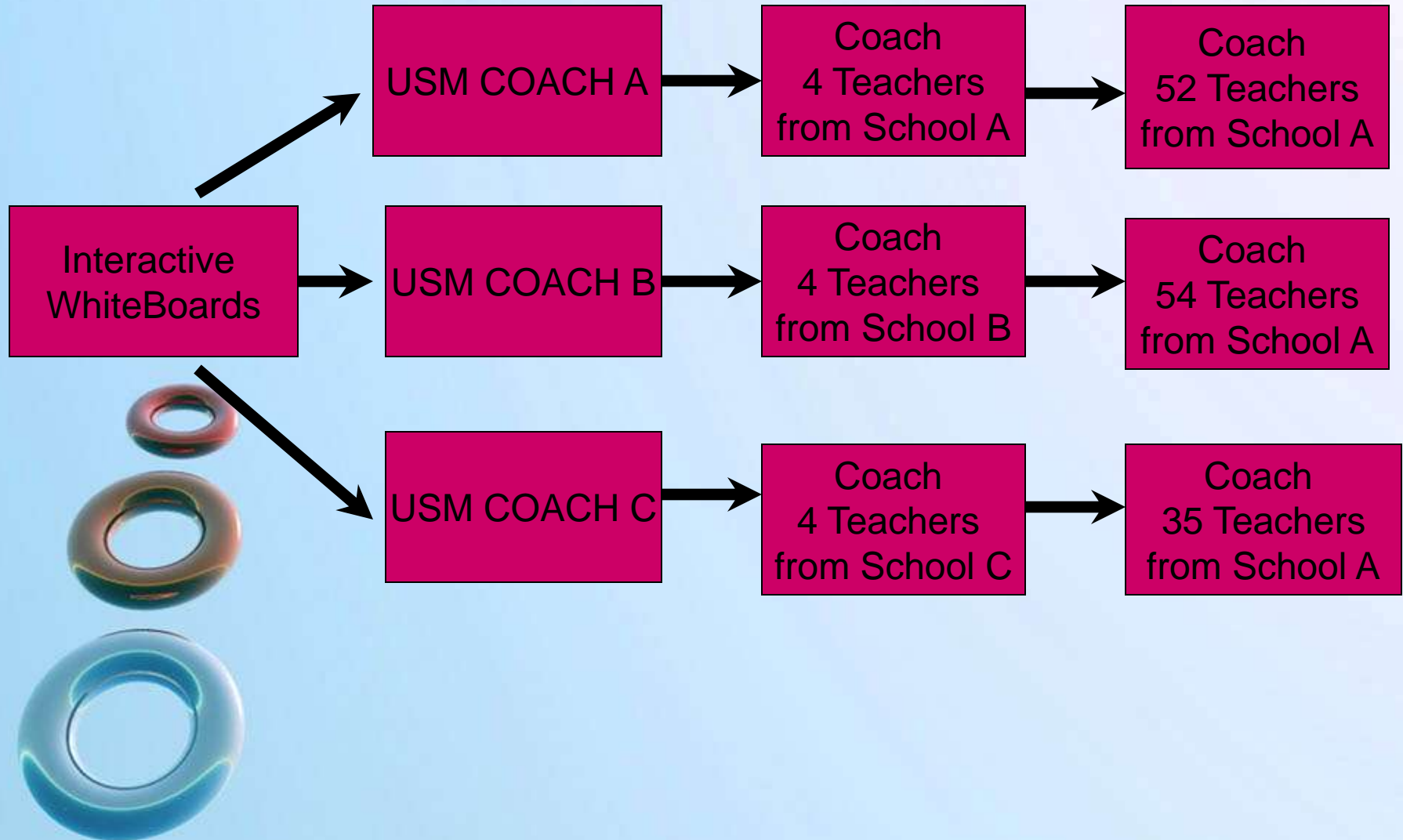


Use of Interactive Whiteboard and coaching of pre-service teachers at School of Educational Studies

Peer Coaching



Use of Interactive Whiteboards and coaching of in-service teachers in schools in Penang



Total Teachers and Trainee Teachers coached on how to use Interactive WhiteBoards

- A total of 225 trainee teachers are now able to use the Interactive Whiteboards
- A total of 153 teachers in three schools in Penang can use the Interactive whiteboard



Teaching Modules to further assist teachers

- Teaching modules are currently being prepared to further assist teachers and to encourage them to use the Interactive whiteboards
 - Subjects – Mathematics and Science



TEACHER'S MANUAL

TEACHING USING THE INTERACTIVE WHITE BOARD

SCIENCE FORM TWO

TOPIC: SIMPLE MACHINE

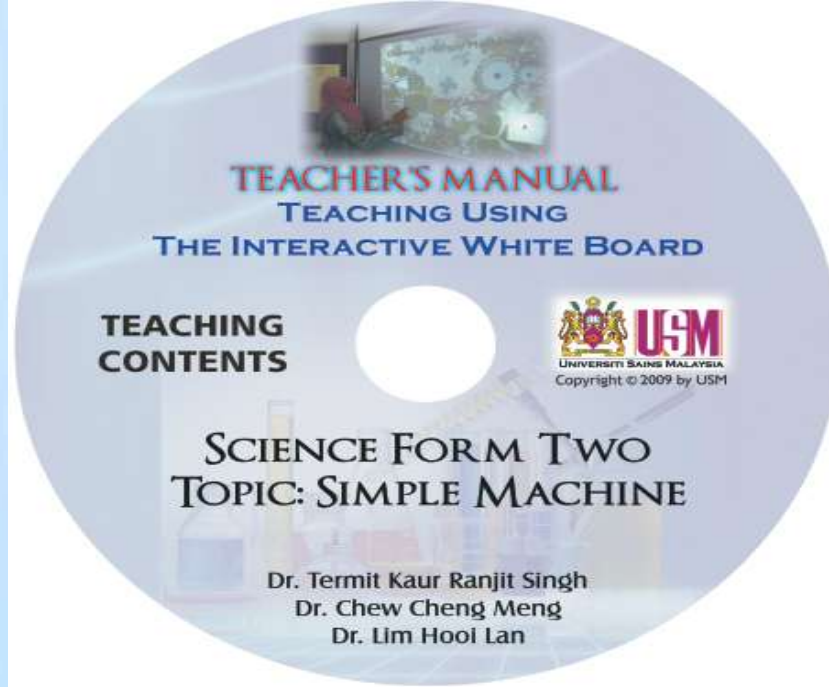


Dr. Termit Kaur Ranjit Singh
Dr. Chew Cheng Meng
Dr. Lim Hooi Lan

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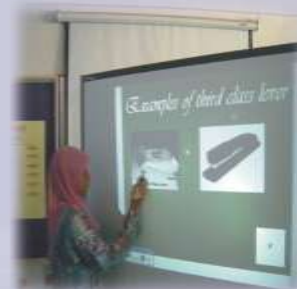


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MATHEMATICS FORM TWO

TOPIC: SOLID GEOMETRY



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**TEACHING USING
THE INTERACTIVE WHITE BOARD**



**SMART BOARD
SOFTWARE
Ver. 10.0**

ACTIVATE KEY: NB-AEASIBSHMM-97DE-RWDSC



**TEACHER'S MANUAL
TEACHING USING
THE INTERACTIVE WHITE BOARD**

**TEACHING
CONTENTS**



**MATHEMATICS FORM TWO
TOPIC: SOLID GEOMETRY**



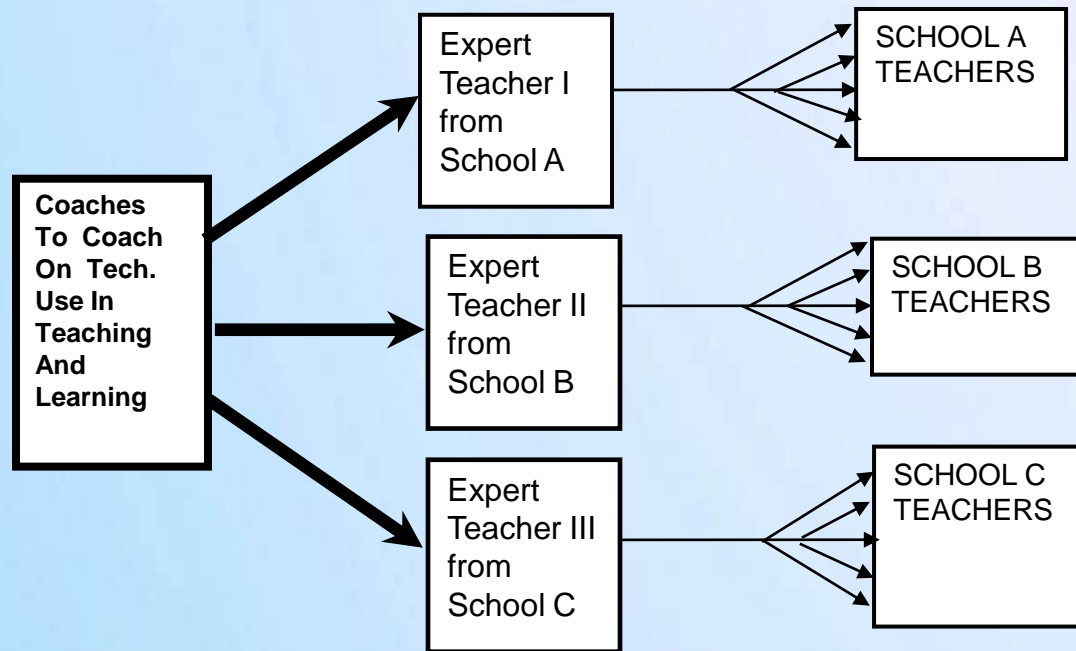
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Future Plans

- The School of Education has two schools under its care; the two Lab schools. The team of coaches plan to start coaching its peers on using the SmartBoard for teaching and slowly moving towards other technological tools such as the Visualizer and the teachers from these schools will be coached to incorporate technology into the teaching and learning process. The coaches will introduce the SmartBoard and other technological tools to the teachers guide them on how lessons can be prepared using technology.
- Apart from that, the Expert Teachers Association will also be incorporated for this purpose. The expert teachers from the Expert Teachers Association will be coached on the usage of SmartBoard and other tools in teaching and learning. The expert teachers will be brought in to be coached and they will in turn coach the teachers in their respective schools.

Future plans...



i-SMARTLAB

- The School of Educational Studies has just received the approval to officially setup the i-SMARTLAB
- The i-SMARTLAB is intended to be a research center for technology used in teaching and learning

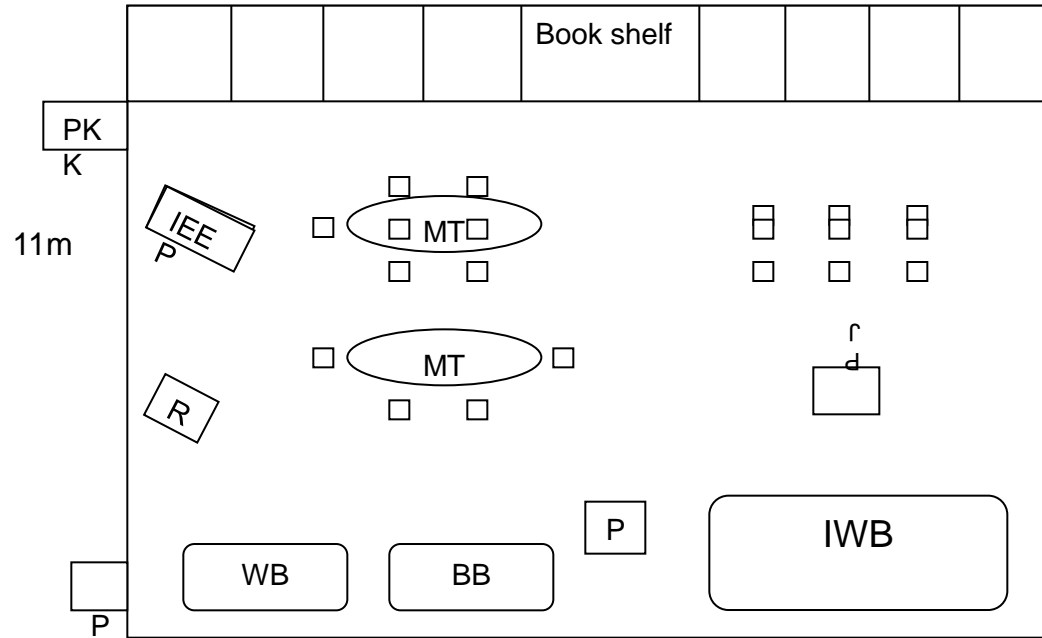


The i- S.M.A.R.T Lab

- **The**
- **Integration of**
- **Smart**
- **Media**
- **And**
- **Research in**
- **Technology Use in Teaching and**
- **Learning**

i-SMARTLAB – A proposed layout

12m



LEGEND

P = DOOR

PK = EMERGENCY DOOR

IWB = INTERACTIVE WHITE BOARD

BB = BLACK BOARD

WB = WHITE BOARD

R = ROSTRUM/ i-panel

OHP = OVERHEAD PROJECTOR

IEE = SCANNER

MT = MEETING TABLE



= Projector

□ = CHAIR

Suggested Facilities List of i-SmartLab

LCD Projector

OHP

iee-Scanner OHP

Rostrum/i-panel

Interactive WhiteBoards

Language softwares

Wifi

Other Latest technological teaching tools

Sliding whiteboard

Blackboard

PCs/Printers

TV/ DVD player

Sound System/ Stereo System

Furniture (chairs, tables)

CCTV

server room



In Summary...

- The team of coaches in the School of Educational Studies Universiti Sains Malaysia is currently working hard towards implementing the plan of integrating technology in teaching and learning through peer coaching.
- The team is confident that via peer coaching, the lecturers will use technology in the teaching and learning process. The students, who are pre-service teachers will be geared towards using technology in teaching and learning.
- The in-service teachers will also move towards using technology in the teaching and learning process. The School of Educational Studies Universiti Sains Malaysia anticipates a vast increase in the usage of technological tools by teachers in the state of Penang, as that is the target at this present moment.
- The development of the i-SMARTLAB

