

E-LEARNING FOR LIFE: The Malaysian Initiative

A Partnership Between the Government of Malaysia (Ministry of Education), Coca-Cola Far East Limited,
Malaysia Branch (Coca-Cola), and UNDP

Progress report covering six schools as at 10 June 2003

A. Major events and issues

1. All schools implemented their infrastructure on schedule. The infrastructure consists of the Apple Computer iMac G4 server, the iMac G3 computers and the iBook computers, the wireless LAN system, printers and scanners.
2. Sixty teachers, ten from each school, attended an intensive 2 weeks workshop on **Integration of ICT and P+P** at RECSAM. It was conducted by Apple Malaysia from 20 May to 7 June 2002. By October 2002, all teachers in the six schools had received peer training from the selected 60 teachers. However due to transfers and new postings, at the beginning of 2003, peer training had to be continued.
3. A three-day seminar on **Change Management for School ICT Project** was also conducted at RECSAM from 5 June to 7 June 2002, for Principals and Senior Assistants from the six schools.
4. The six schools are using the 4 TV sets and the 5 iBooks supplied to them to teach students. By July 2002, SMK Tunku Anum, SMK Seri Muda, SMK Batu 4 Gerik, SMK Seri Pengkalan and SMK Dato Menteri implemented this approach. By September 2002 SMK Pulau Tawar started to teach with the system when arrangements such as security were completed.
5. As at the end of May 2003, over 300 titles of lesson plans complete with teaching materials were produced. Given more encouragements and support from Principals, teachers could find the time and motivation to produce more materials.
6. Schools are using the Cerdas Minda system – a multimedia education-quiz system to reinforce students learning and for revision. SMK Seri Muda started using the system since June 2002. SMK Batu 4 and SMK Tunku Anum teachers received their training at SMK Sri Muda on 30th September 2002. On 23 October 2002 teachers from the remaining 3 schools received their Cerdas Minda training conducted at PSPN Pahang in Beserah.

7. To 'speed up' the implementation of the Project, the PSC, at its 3rd Meeting on 12 August 2002, decided that the 4 members of the MOE monitoring team, the respective JPNs (State Education Department), PPDs (District Education Office), PSPNs (State Teaching Resource Centre) and PKGs (District Teaching Resource Centre) should provide assistance to these teachers.

8. As a result of the above, the PSC approved the following,
 - a. Equip the MOE Monitoring Team members with the Apple iBook computers,

 - b. Equip the PTG Manjong Perak with Apple Computers and to train the officers to support the three schools in Perak, Penang and Kedah,

 - c. Equip PSPN Melaka with Apple Computers and train the officers to support the three schools in Melaka and Johor, and

 - d. Equip a PTG Krau Temerloh officer with an iBook Apple computer and train this officer to support SMK Pulau Tawar Jerantut schoolteachers.

9. A central school portal (SCP) for teachers to exchange T+L materials and ideas has been established. Intensive training for 12 teachers (2 from each school) was conducted from 21 to 23 October 2002 at PSPN Pahang.

10. In line with the second objective of the Project, a central community portal (CCP) was also established. The CCP was created for the School Community E-Learning Committee (SCEC) of each school to publish information and info-links to catalyse and facilitate community development. SMK Batu 4 Gerik used the CCP to publish its homestay project.

11. Three schools have started several community development initiatives. SMK Batu 4 Gerik Perak and its local community selected the development of eco-tourism in the District of Hulu Perak as their project. The role of SMK Batu 4 is to catalyse this project with ICT and multimedia skills. An eco-tourism round table meeting was held in Gerik Perak on 28 to 29 October 2002. SMK Tunku Anum and SMK Seri Muda decided to establish a CAD training centre to train both its students in technical subjects and the local youths in CAD operations skills.

12. The School of Educational Science of USM had been engaged to assess the performance of the E-Learning project. USM is expected to submit the draft report by the end of June. The final report will be submitted to the MOE for policy adoption considerations.

13. A national level seminar and workshop on E-Learning was organized and held from 26 May to 29 May 2003, at the Dewan Tun Ismail, PWTC. The event was co-organized and co-funded by Apple Malaysia. Hotel accommodations were provided to ninety participants at the Legend Hotel. These participants were,

- Sixty Teachers, six Principals and 12 Senior Assistants from the six schools, and
- Four Headmasters and four Senior Assistants from the four primary schools, who, at the request of MOE, were admitted as observers. Five primary schools had been selected by the MOE to implement the E-Learning for Life (ElfL) Project approach i.e. **Integration of ICT into the P+P process**. These schools are,

1. SK Meru, Kelang Selangor
2. SK Parit Bakar, Muar Johor,
3. SK Tampin, Negeri Sembilan
4. SK Kerteh, Trengganu.
5. SK Bukit Keteri, Perlis (unable to attend the seminar)

14. Teachers, Principals and students from Seri Cempaka School KL and Mont Kiara International School also participated in the workshop.

B. Overall assessment

1. The performance of SMK Tunku Anum in the Project is the most outstanding, due, no doubt, to the effective project leadership provided by Principal Puan Hajah Hafdzah Ahmad. This resulted in comparatively many more teachers who are interested in the Project. As a result, they are actively developing lesson plans and materials and are teaching using the E-Learning Project's approach – i.e. the integration of ICT into the P+P process. Their core of dedicated teachers include,
 - i. Puan Hasnah Abdullah, Senior Assistant leading the teachers,
 - ii. En Jafri Othman leading other mathematics and principles of accounts teachers,
 - iii. En Shamsuri Othman leading other additional mathematics teachers,
 - iv. Puan Fadzilah Selamat leading other English teachers,
 - v. Puan Cik Maliah Ismail, leading other mathematics teachers,
 - vi. Puan Anizah Ishak, leading other BM teachers, and
 - vii. En Ahmad Sobri, leading other history teachers.
2. SMK Tunku Anum also received good support and assistance from JPN Kedah ICT officers – initially from En. Baharuddin Kasim (recently retired) and currently from En. Fadzillong Mohamed.
3. En. Fadzillong has the interest, qualification and expertise in the field of ICT applications for P+P. These include,
 - i. As a teachers training college ICT officer, he was responsible for the implementation and operations of the campus's LAN and ICT systems,
 - ii. As a BPG officer, he participated in building of courseware and teaching materials (Bahan Bantu Mengajar) at both the Ministry and JPN levels. He also participated as a team member to assess ICT and courseware proposals.
4. En Fadzillong had suggested that he could assist the Project in the following areas,

- i. Establishment of multimedia team to accelerate the development of P+P materials,
 - ii. Creating a network for schools to share SMK Tunku Anum expertise,
 - iii. Assist SMK Tunku Anum teachers to conduct multimedia courses for other teachers,
 - iv. Assist SMK Tunku Anum in managing the maintenance of its ICT systems,
 - v. Assist in building P+P materials and upload these materials to the CSP.
5. SMK Tunku Anum could therefore be the 'torch bearer' for the E-Learning Project during the period when the MOE is considering the USM report for possible policy adoption. Therefore the following is recommended,

- i. **Provide more equipment – iBooks and digital cameras – to the School.** This could be done via;
 1. Redistributing the equipment allocated to PKG Manjong, PKG Kuala Krau and PSPN Melaka and the monitoring team, and
 2. Utilizing any remaining funds at the end of the Project to purchase more equipment, especially the Apple iBooks, for the teachers' use.
- ii. **Arrange for management assistance from JPN Kedah and pedagogic resources from teachers training colleges located in Kedah, to be channelled to and to assist SMK Tunku Anum, and**
- iii. **Develop SMK Tunku Anum as the resource and competency centre for the E-Learning Project.**

15. Detailed progress made by each school

For details on the progress made by each school, please see the following tables.

State of Kedah

<p>School SMK Tunku Anum Tunku Abd. Rahman, Tok Jalai, 06000, Jitra, Kedah Tel: 04-7144960 Principal: Hjh Hasdzah bt Ahmad</p>	<p>School and teachers profile 72 teachers School opened over 20 years ago Selected as a sport school by JPN Kedah</p>	<p>Student profile 1200 co-ed students from peri rural/urban community</p>
<p>Project infrastructure ICT systems fully installed. Trying to overcome Internet connectivity problem – PIBG agreed to install back-up line for Internet access Teachers resource centre fully equipped</p>	<p>Major project activities Developed project implementation plan 100% of teachers trained at RECSAM and via peer-training Teachers received training in ICT integration, Cerdas Minda, SCP and CCP administration Participated in T+L exhibitions organised by JPN Kedah Teachers and local youths attended CADian training given by IntelliCAD Korea Official launch by KSU MOE on 17th June 2003</p>	<p>Proposed July – Dec 2003 activities SCEC to aggressively promote P+P materials creation and integration of ICT into P+P process SCEC to establish CADian training centre for students and local youths SCEC to increase the usage of Cerdas Minda for P+P SCEC to establish SMK Tunku Anum as E-Learning resource centre to assist other schools SCEC to assist school athletes to balance academic and sporting performance</p>
<p>Community profile Semi-urban and semi-rural community Very concerned with school leavers and graduate employment situation</p>	<p>Potential development School as hub for video editing and DVD production School as CADian training centre</p>	<p>Identified projects School to train 20 youths in digital camera skills School to provide video editing and VCD/DVD services at a fee CADian training centre</p>

State of Pulau Pinang

School	School and teachers profile	Student profile
<p>SMK Sri Muda, Penaga 13100 Seberang Perai Utara Pulau Pinang Tel: 04 – 5791130</p> <p>Principal: En Nazir Ali</p>	<p>94 teachers School opened over 30 years ago.</p>	<p>1787 students, from peri rural / urban community. Over 90% from rural and low-income families.</p> <p>Active computer club members. They pay RM10.00 per term.</p>
<p>Project infrastructure</p> <p>ICT systems fully installed</p> <p>Cerdas Minda – a multimedia educational quiz system – fully implemented</p> <p>Internet connectivity working well</p> <p>Project officially launched by DPM on Friday 24th May, 2002</p> <p>Teachers resource centre fully equipped</p>	<p>Major project activities</p> <p>Developed exemplary project implementation plan</p> <p>10 teachers trained at RECSAM took turns to train peers</p> <p><u>Collaboration with USM</u></p> <p>40 students to visit per month</p> <p>Consultations to develop T+L materials in English especially for Science and Maths</p> <p><u>Annual PKG Meeting 2/8/2002</u> Showed T+L materials, including video clip of micro teaching, to about 150 HMs from whole state of P.Pinang</p> <p><u>Visit by Directors of JPNs</u> Successfully hosted working visit by state education directors on 31 May 2003</p>	<p>Proposed July - Dec 2003 activities</p> <p>HM and District Officer planning to make educational visits to model schools - such as the River Oak School, Toronto Canada.</p> <p>SCEC aggressively promoting integration of ICT into T+L process to new teachers</p> <p>SCEC assisting new teachers to use lesson materials for micro teaching</p> <p>SCEC to increase usage of Cerdas Minda for P+P</p> <p>SCEC establish the CADian training centre with the cooperation of the Kepala Batas community</p>
<p>Community profile</p> <p>Semi-urban and semi-rural community.</p> <p>Strong support from development agencies such as the DO office, PERDA, etc. Could be tapped to address school leavers and graduate unemployment situation</p>	<p>Potential development</p> <p>Self employment in the digital era</p> <p>School as hub for video editing and DVD production</p> <p>Improve employment prospects with CAD skills</p>	<p>Identified projects</p> <p>Video cameramen for hire at private and official functions</p> <p>School to train 20 youths in digital camera skills</p> <p>CADian training centre at the School and Kepala Batas</p>

State of Perak

<p>School</p> <p>SMK Batu 4 Jalan Kuala Rui, 33300 Gerik Perak Tel: 05 79 14 20 1</p> <p>Acting Principal: En. Abdul Halim Nopiah</p>	<p>School and teachers profile</p> <p>30 teachers School opened in 2001</p> <p>Most teachers are under-30. ICT savvy. Very active during RECSAM workshop.</p>	<p>Student profile</p> <p>400 multiracial students from rural community – from low- income families in traditional kampongs and new villages. Students' motivation is an issue.</p>
<p>Project infrastructure</p> <p>ICT systems fully installed</p> <p>Internet connectivity working well.</p> <p>Teachers resource centre fully equipped</p> <p>Ready to install Cerdas Minda</p>	<p>Major project activities</p> <p>Able to implement one teacher one iBook/Notebook policy.</p> <p>Developed 5 year project implementation plan</p> <p>10 teachers trained at RECSAM took turns to train peers</p> <p>Teachers received training in ICT integration, Cerdas Minda, SCP and CCP administration</p> <p>Proposing to train other teachers in the District of Hulu Perak.</p> <p>Teachers assigned to subject group (Panitia) to produce T+L materials.</p> <p>Conducted Eco-Tourism Project Round Table Meeting in Sept 2002. Trained local youths in digital skills.</p> <p>Completed official launch on 7 October 2002</p>	<p>Proposed July – Dec 2003 activities</p> <p>Acting HM and PIBG Chairman planning a balanced academic and community development plan</p> <p>SCEC aggressively promoting integration of ICT into T+L process</p> <p>SCEC assisting new teachers to use lesson materials for micro teaching</p> <p>SCEC will catalyse Hulu Perak District eco-tourism project implementation</p> <p>SCEC increase usage of Cerdas Minda for P+P</p>
<p>Community profile</p> <p>Mainly traditional kampongs and new villages.</p> <p>School leavers, diploma and graduates unable to gain employment in current economic climate</p>	<p>Potential development</p> <p>Organised eco-tourism roundtable to generate business and employment opportunities for the community</p> <p>School as hub for video editing and DVD production</p>	<p>Identified projects</p> <p>Eco-tourist guides that are expert video cameramen</p> <p>School to train 20 youths in digital camera skills</p> <p>School to provide video editing and DVD services at a fee</p>

State of Melaka

School	School and teachers profile	Student profile
<p>SMK Seri Pengkalan 78000, Alor Gajah Melaka. Tel: 06 55 61 26 8 Principal: Hjh. Ramlah Abdul Hamid</p>	<p>100 teachers</p> <p>School opened over 40 years ago as an English medium school</p>	<p>1200 students, from peri rural / urban community. Mainly from low-income families.</p>
Project infrastructure	Major project activities	Proposed July – Dec 2003 activities
<p>ICT systems fully installed</p> <p>Internet connectivity working well</p> <p>Teachers resource centre fully equipped and operational</p> <p>Ready to install Cerdas Minda</p>	<p>Developed project implementation plan</p> <p>10 teachers trained at RECSAM took turns to train peers</p> <p>Teachers received training in ICT integration, Cerdas Minda, SCP and CCP administration</p> <p>Teachers are assigned to produce 1 T+L materials</p> <p>Apple technology audit completed</p>	<p>SCEC aggressively promoting integration of ICT into T+L process</p> <p>SCEC assisting new teachers to use lesson materials for micro teaching</p> <p>SCEC increasing usage of Cerdas Minda for P+P</p>
Community profile	Potential development	Identified projects
<p>Semi-urban and semi-rural community.</p> <p>Strong support from PIBG especially the Chairman – Dato' Yasin Yaani a former State Exco member.</p>	<p>Self employment in the digital era</p> <p>School as hub for video editing and DVD production</p>	<p>Video cameramen for hire at private and official functions</p> <p>School to train 20 youths in digital camera skills</p> <p>School to provide video editing and VCD/DVD services</p>

State of Johor

School	School and teachers profile	Student profile
<p>SMK Dato Menteri Ayer Hitam 86100, Batu Pahat, Johor Tel: 07 75 81 13 4</p> <p>Principal: Puan Eva Abdullah</p>	<p>100 teachers School opened in 1970 One of 5 schools selected for MPV (vocational training). Subjects under MPV are Signage design Furniture design and making Domestic building construction Electrical equipment repairs Computer graphic Digital photography Catering Landscape Food cultivation</p>	<p>1990 multiracial students from peri rural / urban community.</p>
<p>Project infrastructure</p> <p>ICT systems fully installed.</p> <p>Internet connectivity working well.</p> <p>TV sets installed in classrooms and labs.</p> <p>Micro teaching active.</p> <p>Teachers resource centre under construction</p> <p>Ready to implement Cerdas Minda</p>	<p>Major project activities</p> <p>Successfully hosted visit by Dato' Islahuddin, TKSU May 2003</p> <p>10 teachers trained at RECSAM took turns to train peers</p> <p>Teachers received training in ICT integration, Cerdas Minda, SCP and CCP administration</p> <p>All teachers assigned to produce 1 T+L topic each</p>	<p>Proposed July – Dec. 2003 activities</p> <p>SCEC to aggressively promote integration of ICT into T+L process</p> <p>SCEC assisting new teachers to use lesson materials for micro teaching</p> <p>SCEC increasing usage of Cerdas Minda for P+P</p>
<p>Community profile</p> <p>Semi urban and rural community</p> <p>Could tap Johor state's community development assistance</p> <p>Concerned with school leavers and graduate unemployment situation</p>	<p>Potential development</p> <p>Self employment in the digital era</p> <p>School as hub for video editing and DVD production</p>	<p>Identified projects</p> <p>Video cameramen for hire at private and official functions</p> <p>School to train 20 youths in digital camera skills</p> <p>School to provide video editing and VCD/DVD services</p>

State of Pahang

School	School and teachers profile	Student profile
<p>SMK Pulau Tawar 27050, Jerantut, Pahang Tel: 09 27 71 17 1</p> <p>Acting Principal: Hj Abdul Manan</p>	<p>Rural school 48 teachers</p>	<p>787 students (of which 200 are hostelites)</p> <p>Mainly from low income rural families living in traditional kampongs and in FELDA schemes</p>
Project infrastructure	Major project activities	Proposed July – Dec. 2002 activities
<p>ICT systems not fully installed</p> <p>Installing Internet connectivity</p> <p>Teachers resource centre fully equipped and operational</p> <p>Ready to install Cerdas Minda</p>	<p>10 teachers trained at RECSAM will take turns to train peers</p> <p>Teachers received training in ICT integration, Cerdas Minda, SCP and CCP administration</p> <p>Monitoring team visited school on July 15th 2002. Weaknesses discussed.</p> <p>JPN and PPD will focus on schools infrastructure and leadership needs.</p> <p>State's PKKP (Peningkatan Kurikulum Kemajuan Pendidikan) programme will be used to assist School.</p>	<p>Official launch of project before end of 2002.</p> <p>Aggressively promote integration of ICT into T+L process</p> <p>Assisting teachers to use lesson materials for micro teaching</p> <p>SCEC increasing usage of Cerdas Minda for P+P</p>
Community profile	Potential development	Identified projects
<p>Rural community: 80% mainly FELDA schemes and 20% traditional kampong.</p> <p>Concerned with schools leavers and graduates unemployment</p> <p>Could tap FELDA's community development assistance</p>	<p>Eco-tourism especially in and around Taman Negara areas</p> <p>Historical trail of early freedom fighters such as Tok Gajah and others</p>	<p>Eco-tourist guides that are expert video cameramen</p> <p>School to train 20 youths in digital camera skills</p> <p>School to provide video editing and VCD/DVD services at a fee</p>