

Malaysia for Intel Teach. "Writing notes on whiteboards is becoming a thing of the past!"

As with any project, support from all levels and areas is crucial to the success of the program. According to Noorul Aini binti Abdul Rahman, Director of IPIK, IPIK will have 100 per cent network coverage (both wired and wireless Internet access) by November 2008. In terms of info-structure, the institute has just developed its own web portal as one of its approaches in promoting ICT awareness and to facilitate the program online. Darawisah binti Sayuti, Deputy Director of IPIK adds, "We provide infrastructure such as a fully equipped laboratory that has up-to-date hardware, computers and laptops. Personnel such as Siew Geck and her team, as well as other lecturers are given full management support to ensure that Intel Teach is a fruitful program in the institute," says Darawisah.

Noorul adds that the program builds 21<sup>st</sup> century skills such as digital literacy, critical thinking, problem solving and collaboration through quality teaching and learning. "It also develops the quest for knowledge and lifelong learning skills that are essential for continuous professional development that parallels the rapid advancement in global knowledge.

"We're also very proud that IPIK had won first placing in competitions under the BPG-Intel Program in 2006 and 2008 (for lecturers) and 2007 (for students). This shows the commitment and hard work everybody has put in to make it a success," says Darawisah.

### IPIK's plans for special education needs

Challenges ahead for IPIK in special education are tough, but not insurmountable. "To train all special education lecturers, we need the latest software equipment such as laptops that use Braille," explains Siew Geck. While the use of sign language for the hearing impaired means teachers need special software or technology to help translate that into coherent sentences that everybody else could understand, adds Nazifah.

"We hope IPIK will be the benchmark for other schools and institutions. We are working hard towards that goal," says Darawisah. Malaysia has 27 teaching institutions and IPIK aims to be an example which the other 26 institutions will aspire to. IPIK plans to involve all lecturers in the Intel Teach Program, which will take approximately 3 years, while to implement the program amongst all students will take an additional 2 years.

Noorul emphasizes: "IPIK aspires to produce teachers and teachers educators who are creative and innovative, competent in integrating ICT in teaching and teaching and learning activities, and comfortable in the use of ICT and global networking to access real time and up-to-date information." In other words, the program will lead to the production of future teachers who will fulfill the requirement of the Ministry of Education Malaysia.



#### Intel® Education Initiative

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- For more information, visit : [www.intel.com/education](http://www.intel.com/education)
- For more information on the Intel Teach Program, please visit : [www.intel.com/education/teach](http://www.intel.com/education/teach)

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### Case Study

Institut Perguruan Ilmu Khas  
(Specialist Teacher Training Institute)

Intel® Teach Program



"Integrating ICT into teaching methods is like wearing a new pair of leather shoes – it's painful in the beginning but you get more comfortable as you get used to it."

Nazifah Shaik Ismail  
Science Lecturer,  
Mathematics & Science  
Department,  
IPIK.

## Special Education in Malaysia gets a boost with Intel® Teach Program

IPIK is aware of the shortcomings of normal teaching methods for students with special needs and has decided to use ICT to make lessons more interesting and accessible. The Intel Teach Program, introduced at the institute in 2000, has played a major role in the integration of ICT into teaching methods that are being taught to teachers of special education. In turn, it enhances the learning process of these children with different learning difficulties. For IPIK lecturers like Lim Siew Geck, who has embraced the program, the additional work involved in the implementation is well worth it as results have far exceeded expectations.

#### Challenges

- Disabled students and students with learning disabilities need learning aids and relevant teaching methods to cater to their special needs.
- Teachers of special education need teaching tools to engage students effectively in classroom learning.
- The lack of computer literacy among teachers needs to be addressed.

#### Approach

- Provide professional development to teachers to help them acquire computer and technology skills that will translate into more effective teaching in the classroom.
- Equip teachers with skills to employ technology to help engage special needs students in meaningful learning experiences.

#### Benefits

- Implementation of the Intel Teach Program has enhanced teachers' technical and pedagogical skills, helping them to become better educators.
- Students with special needs find lessons more interesting and are able to learn the skills they need.