

Student Infocomm Outreach Programme

- Infocomm Clubs Programme

Infocomm Development Authority of Singapore
Agnes Lye, Infocomm Manpower Development
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Infocomm Clubs Programme

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1 / Programme Objectives

Infocomm Clubs Programme

The Infocomm Clubs Programme was launched on
17 Nov 2005



The Straits Times, Digital Life,
22nd Nov 2005

Schools starting infocomm clubs to teach games design

About 150 schools here will have such clubs by 2008 in a move to be more infocomm-savvy

By CHUA HUAN HOU

THIRTY schools here next year will launch state-of-the-art infocommunications clubs where students can learn how to set up computer networks, fight off simulated hacker attacks, and design video games.

Besides learning the latest technology in a fun way, they will earn co-curricular activities points and get credit exemptions for information technology courses at local institutes of higher learning.

By 2008, about 150 of Singapore's 360 schools will have these clubs. They will be a key element of Sin-

gapore's new five-year, \$120 million Infocomm Manpower Development Roadmap initiative.

This was announced yesterday by Senior Minister of State for Information, Communications and the Arts, Balaji Sadasivan at the ExpressIT IN2015 competition awards ceremony.

The new initiative is a joint effort by the Government and industry partners, such as SingTel and Cisco Systems, to raise the quality of Singapore's 100,000 infocomm professionals.

Only an "innovative, entrepreneurial, globally competitive and infocomm-savvy workforce" can help Singapore compete successfully against countries like China and India, said Dr Balaji.

Bedok Green Primary School principal Siti Nurhayati Buang is looking forward to the buzz of young, excited students when the infocomm club

opens in her school next year.

The club is being fitted with 20 new Apple iMac computers loaded with the latest multimedia design and animation software from technology companies Apple and Macromedia. Professional trainers will transform students into budding 3D-animation, video editing, game development and Web-design professionals.

"Gone are the days when being in primary school meant just English, maths and science — the club will give our students exposure to very valuable skills that will enhance their employability in future," said Madam Siti.

Raffles Institution, Hwa Chong Institution and Bendemeer Secondary School are also expected to launch infocomm clubs next year.

Each school will work with different companies to specialise in different infocomm technologies like digital media creation, networking, security or

The Straits Times, Home, 18th Nov 2005

IDA's \$120m boost to IT talent

Money will fund scholarships as well as training for workers and professionals

VALERIE LAW
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THE Infocomm Development Authority (IDA) will be spending \$120 million to groom Singapore's infocomm talent over the next five years.

In announcing the five-year Infocomm Manpower Development Roadmap yesterday, Dr Balaji Sadasivan, Senior Minister of State for Information, Communications and the Arts, said there would be some-



Some of the funds will be used for scholarships and computer clubs in schools.

thing for everyone — from students to professionals. For instance, 40 per cent of the funds will be set aside for schools to work with industry players to start infocomm clubs in schools and for scholarships.

The balance of 50 per cent and 10 per cent will be used to

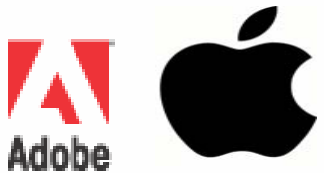
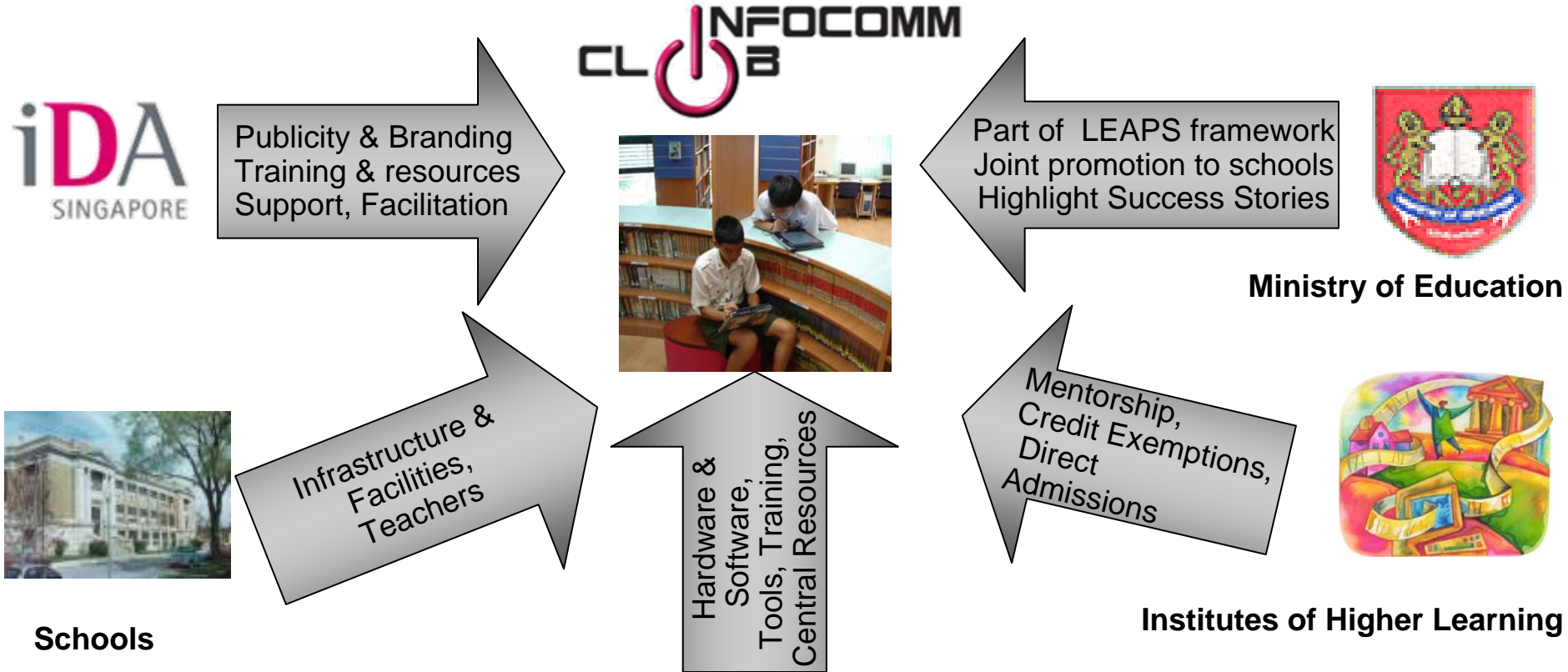
train infocomm professionals and the general workforce respectively.

"As you know, countries like China and India are also establishing a name for themselves as attractive sources of low cost but well-trained infocomm manpower. This means that our infocomm professionals need to find ways to remain relevant and enhance their value-add in an increasingly competitive and demanding business environment," he said.

There are currently over 100,000 infocomm professionals in Singapore, said Dr Sadasivan. They are mostly engaged in systems integration, infocomm solutions, and infocomm sales and marketing.

TODAY, Business, 18th Nov 2005

Infocomm Clubs Programme - Collaboration Model



Infocomm Club's Objectives

> Objectives

- Excite students about the possibilities of infocomm in a fun way
- Expand students' creative and entrepreneurial spirit through application of Infocomm in school and society
- Extend to the infocomm industry partners so that private sector can play a proactive role in developing the youths in schools



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Programme Requirements and Funding Model

Infocomm Clubs Programme

- IDA Funding & Pre-requisites

> IDA Funding

- IDA's funding for each successful school is S\$40,000 over 3 years
- Two segment to funding:
 - Set up costs: S\$10,000, Operating costs: \$30,000
- Co-funding model, 50% from school, 50% from IDA
- Funding subjected to commitment of KPIs and IDA's approval
- Funding is subjected to a maximum cap per year
- Funds will be disbursed on a half yearly basis

Infocomm Clubs Programme - IDA Funding & Pre-requisites

- > Infocomm club student recruitment
 - 30 students in the 1st year
 - 40 students in the 2nd year
 - 50 students in the 3rd year

- > Infocomm club training
 - 30 sessions per year, 2 hours per session

- > Enrichment Programme
 - Target 25% of school population to be trained in the enrichment programme

- > Infocomm branding
 - Schools to adopt the “Infocomm Club@school name” branding

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Technology Partners

Infocomm Clubs Programme - Technology Partners

Partners/ Focus Areas	Digital Media Technologies	Web Publishing	Mobile Technologies	Games Development	Software & Applications	Security & Networking	Grid Computing
Adobe	X	X	X	X			
Apple	X	X	X	X			
Cisco Systems					X	X	
Hewlett Packard	X			X			
Microsoft	X						
Nanyang Polytechnic	X	X	X	X	X	X	
Nanyang Technological University				X			
National Grid Office							X
Ngee Ann Polytechnic	X						
Novell	X	X			X		
Singapore Polytechnic	X		X	X			
Temasek Polytechnic	X				X		

Infocomm Clubs Programme

- Appointed Training Providers

No.	Partners	Contact Name	Email	Telephone	Appointed Training Provider
1.	Adobe	Titu Minhas	tminhas@adobe.com	65115500	- AsknLearn Pte Ltd - ACP Computer Training School
2.	Apple	Adrian Lim	adrian.lim@asia.apple.com	6480 8625	- Elchemi Education
3.	Cisco Systems	Christina Anthony	chanthon@cisco.com	63175604	N.A.
4.	Hewlett Packard	Connie Liow	connie.liow@hp.com	6374 4845	-IT Leisure and Education Pte Ltd -IM Innovations Pte Ltd
5.	Microsoft	Andy Tan	i-andyt@microsoft.com	6882 8714	- Comat Training Services
6.	Nanyang Polytechnic	Ong Teck Kiat	ong_teck_kiat@nyp.gov.sg	65501638	N.A.
7.	Nanyang Technological University	Gabriel Wong Chee Kien	ckwong@ntu.edu.sg	6790 4928	N.A.
8.	National Grid Office	Jon Lau	jonlau@ngp.org.sg	6874 8542	- Elchemi Education Pte Ltd - Singapore Computer Systems Ltd - ST Electronics (Info-Software Systems) Pte Ltd
9.	Ngee Ann Polytechnic	Fabian Ng	nyt@np.edu.sg	6460 6885	- Learning Edvantage Pte Ltd
10.	Novell	Leong Lai Kuan	lkleong@novell.com	6395 6838	- GSA Training Pte Ltd
11.	Singapore Polytechnic	Ronnie Peh	ronniepeh@sp.edu.sg	67721927	N.A.
12.	Temasek Polytechnic	Peter Choy	pchoy@tp.edu.sg	67805979	- IM Innovations Pte Ltd

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Benefits to students and schools

Infocomm Clubs Programme

- Benefits to Students

- > The Infocomm Clubs programme is aligned with MOE's LEAPS framework
 - Students can earn CCA points through participation in Infocomm Clubs

- > Training
 - Acquire infocomm development skills at an early age
 - Cultivate leadership capabilities among students through Infocomm Clubs activities

- > Project work
 - Students will get to work on projects and have opportunities to showcase good projects at Science Centre

- > Mentorship
 - Provided by senior students, IHLs and industry partners

Infocomm Clubs Programme

- Benefits to Students

- > Infocomm Competitions/Conferences/certifications
 - **Participation in competitions. IDA funding available for talented students to participate in competitions, conferences, industry attachments, certifications.**

- > Collaboration among schools
 - **Opportunities to work on community service projects**
 - **Platforms where students can exchange ideas**

- > Potential credit exemptions/direct admission
 - **For infocomm courses at IHLs**

- > Certification
 - **Some technology partners offer certification for students at the end of the year**
 - **IDA certificates for students completing 3 years of Club membership**

Infocomm Clubs Programme

- Benefits to Schools

- > Create a niche
 - Differentiate yourselves by specialising in a focus area (e.g. Digital Media, Security & Networking, Wireless, etc)

- > Adopt a structured and exciting programme
 - Structured programme aims to nurture innovation and create an engaging learning environment for the students

- > Support from leading infocomm players
 - Infocomm Enrichment Programmes for the entire school
 - Potential sponsorship by leading infocomm companies

Infocomm Clubs Programme

- Benefits to Schools

- > Teacher Development
 - Teacher training & workshops with technology partners
 - Gain experience from the infocomm industry through Teacher Work Attachment

- > Funding from IDA
 - IDA funding support additional infrastructure set up for the Clubs, training & enrichment programmes
 - IDA funding support for talented students for competitions, conferences, advanced certifications

- > Showcase
 - Outstanding projects will get to be showcased at various platforms

- > Infocomm Clubs can double up as a resource centre for the school

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Next Steps

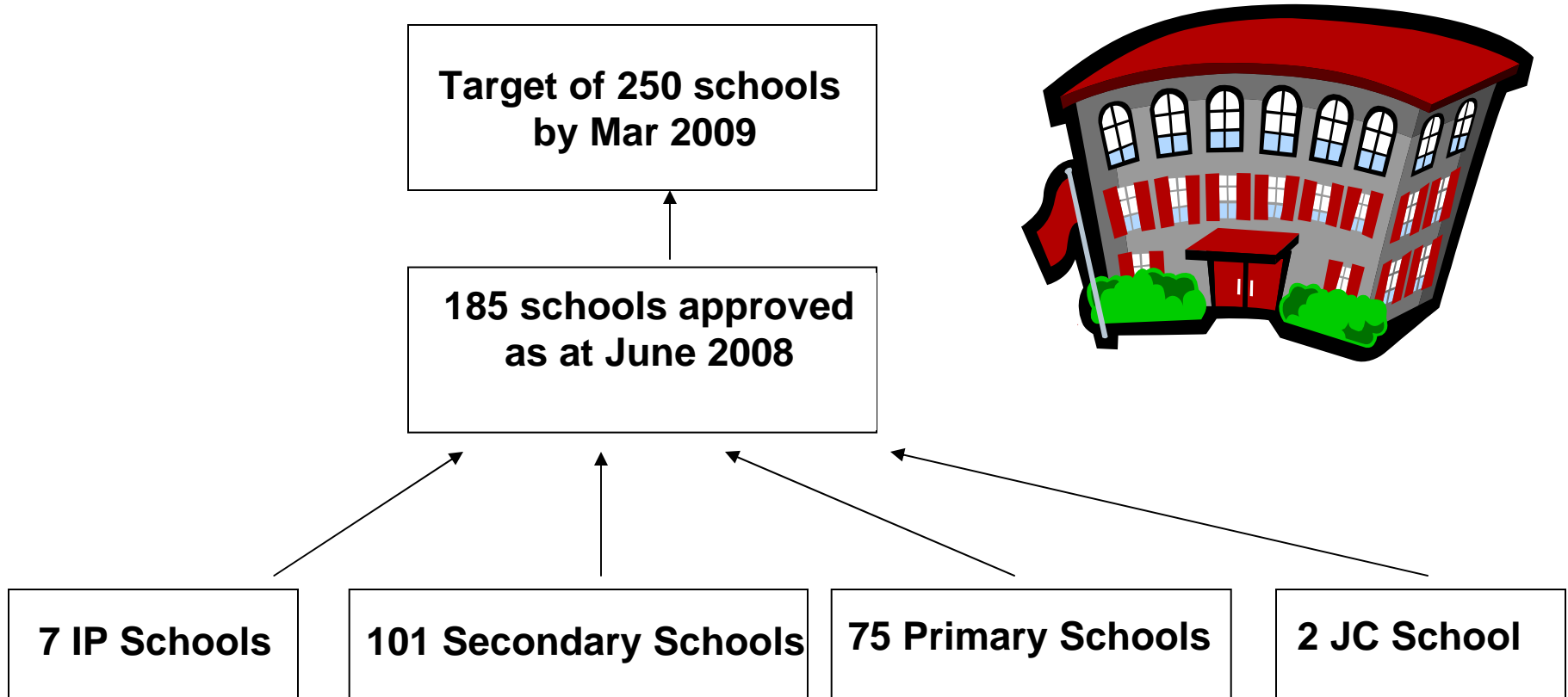
Infocomm Clubs - Next Steps

- > Speak to IDA's Infocomm Club Programme managers
- > Identify & decide on the focus area
- > Meet with technology partners and trainers
- > Application to IDA for funding support
 - Proposal with Scope, Specs, Activities, Targets
 - Letter of Offer / Acceptance
- > Set up infrastructure/call ITQ for trainer appointment
- > Member recruitment

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Current status

Infocomm Clubs - Current Status



Thank You

<http://www.ida.gov.sg/infocommclubs>

<http://talent.singaporeinfocomm.sg>

To find out more, please contact:

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