

ITE 06/18/01

Press Release No 09/09

Information Embargoed until 22 May 2009 at 12 pm

Attitude Makes the Difference!

*Outstanding student leaders, sportsmen and innovators honoured at **ITE Student Achievers' Award Ceremony 2009***

Thousands cross the Causeway into Singapore daily for various reasons. Malaysia-born Sukvinderjit Singh crossed over carrying his dream of experiencing the Singapore education.

Most would toil hard hoping to satisfy the needs and wants of their loved ones. Muhammed Afiq Hakim weathered sun and rain to give strangers in a foreign land a better life.

While there are those who are guided by the 5 "C"s to gauge how far they have come, Natalie Lim prefers to uphold the 4 "V"s (core values of ITE) even upon graduation, to guide her in life.

In one way or another, Sukvinderjit, Afiq and Natalie have successfully reaped the benefits of an all-round ITE education, while surmounting obstacles along the way. They will be given due recognition for their efforts. And so too, 329 deserving others who will see their efforts paid off at the **ITE Student Achievers' Award Ceremony 2009**. The Ceremony will be held at the Auditorium, **ITE Headquarters** on **Friday 22 May 2009 at 10 am**.

2 At the Ceremony, Sukvinderjit, Afiq and Natalie will be presented with the **Lee Kuan Yew Model Student Awards** for their consistent performance in studies, and for displaying an attitude worthy of emulation by their peers.

It's Worth the Wait

3 When Sukvinderjit Singh failed to obtain a student pass to study in Singapore in 2002, he refused to let go of his dream of getting an education here. For the next five years, he took on a job in Singapore, underwent National Service and finally succeeded in securing a place in ITE in April 2007. Not wanting to waste the opportunity after all he had gone through, Sukvinderjit gave his 100 per cent and was rewarded with a perfect Grade Point Average score of 4.0 during his two-year course at ITE College East. He achieved this feat despite his hectic schedule and commitments in co-curricular activities (CCAs).

Serving the Global Community

4 President of his Campus' Student Council and Vice-Chairman of the Community Services Club, Muhammed Afiq Hakim made use of every opportunity he had to participate in community projects. It was his way of giving back to society, in Singapore and beyond. Last year, Afiq led his team from ITE College Central on a community expedition to Chiangrai, Thailand, where they spent days building a childcare centre and a playground. Afiq and his team recalled the immense satisfaction upon seeing tender, young faces breaking into impish smiles when the projects were completed. With Afiq's remarkable leadership and organisational abilities, this down-to-earth role model has certainly lived up to the expectations of his lecturers and peers.

Unleashing the Potential in Others

5 In a fast-moving materialistic world, youths like Natalie Lim who cherishes humanitarian values and ranks high in social responsibility, clearly stands out. Passionate about helping others, Natalie also takes great pride in bringing out the best in her peers, challenging them to transform their lives. As President of the Student Council, Vice President of the Co-op Club and a participant in various community projects, Natalie is a role model in all aspects. Impressed by how the ITE core values of Integrity, Teamwork, Excellence and Care have moulded her, Natalie plans to return to her roots as a lecturer, in the near future.

Presentation of Awards

6 Other Lee Kuan Yew Awards to be presented at the Ceremony include **Lee Kuan Yew Co-curricular Award (CCA)** and **Lee Kuan Yew Technology Award**. (A brief on the Lee Kuan Yew Awards is at **Annex A**. Profiles of the Lee Kuan Yew Model Student Award and Lee Kuan Yew CCA Award recipients and write-ups on the Lee Kuan Yew Technology Award winning projects are at **Annexes B and C** respectively.)

7 ITE will also be honouring outstanding ITE students who have performed exceptionally well in music and the arts, sports and various co-curricular activities, with the ITE Arts Excellence Award, ITE Sports Excellence Award and the ITE CCA Medal.

8 In addition, a new book prize will be announced at the event. The new Sultan Haji Omar Ali Saifuddien Book Prize is funded by Minister Mentor Lee Kuan Yew's honorarium that he received from the Sultan Haji Hassanal Bolkiah Foundation. More details will be mentioned in the speech by Mr Bruce Poh, Director & CEO, ITE.

Invitation to Media

8 Members of the media are cordially invited to cover the ITE Student Achievers' Awards Presentation Ceremony 2009. The Ceremony will be held on **Friday 22 May 2009 at 10 am at ITE Headquarters, 10 Dover Drive, Singapore 138683**. The Ceremony Programme and Location Map of ITE Headquarters are at **Annex D**.

9 For confirmation on attendance and arrangement for interviews and photography, please contact:

Miss Josephine Lefort
Corporate Relations Officer
Tel: 6590 2030
Email: Josephine_Lefort@ite.edu.sg

Miss Joycelyn Seet
Head/Publicity
Tel: 6590 2027
Email: Joycelyn_seet@ite.edu.sg

About ITE

The **Institute of Technical Education (ITE)**, Singapore, was established as a post-secondary education institution in 1992 under the Ministry of Education. ITE is a principal provider of career and technical education and key developer of national occupational skills certification and standards to enhance Singapore's workforce competitiveness. Under its “**One ITE System, Three Colleges**” Model of Education and Governance, ITE has three Colleges, comprising **ITE College Central, ITE College East** and **ITE College West**.

Brief on Awards

Lee Kuan Yew Model Student/Trainee Award

The Lee Kuan Yew Model Student/Trainee Award is presented to students and trainees who have performed consistently well in their courses and have displayed outstanding conduct and attitude worthy of emulation by their peers. The Award serves to inspire students and trainees to display exemplary behaviour in training, develop high moral values and show care and concern for others.

Lee Kuan Yew CCA Award

The Lee Kuan Yew CCA Award is presented to students who have demonstrated outstanding leadership and organisational skills and have contributed significantly to the improvement and enhancement of campus life. The Award also serves to give recognition to students who have contributed and achieved excellence in sports, games and the arts.

Lee Kuan Yew Technology Award

The Lee Kuan Yew Technology Award is presented to students who have developed excellent projects that embody quality, technical innovation and creativity. The projects are also expected to have industrial applications. The Award serves to inspire students to develop a zeal for challenges, creativity and competition.

ITE Arts Excellence Award

The ITE Arts Excellence Award is awarded to new students and on-going students who have displayed outstanding performance in music and the performing arts. Those receiving the Award have performed in an event organised at the Singapore Schools, Singapore Youth or National level. With the skills they have acquired and the achievements they have made, they are expected to develop and raise the standard of music and arts in their respective Colleges.

ITE Sports Excellence Award

The ITE Sports Excellence Award is awarded to new students and on-going students who have displayed outstanding performance in sports and games. Those receiving the Award have represented Singapore Schools or Singapore in the National Team in a sports or game. With the skills they have acquired and the achievements they have made, they are expected to develop and raise the standard of sports and games in their respective Colleges.

ITE CCA Medal

The ITE CCA Medal is awarded to outstanding students who have displayed a high level of involvement in their chosen co-curricular activities (CCA). Students who are receiving the ITE CCA Medal have excelled in the field of music and arts, sports and games, contributed significantly in CCA or demonstrated qualities of leadership and organisational ability in major College events.

Profile of recipients of Lee Kuan Yew Model Student Award 2009

Name : Muhammed Afiq Hakim Bin Masroni Osland

Age : 18

Course : *Nitec* in Building Drafting (Architectural)

College : ITE College Central

Name : Muhammed Nazrin B Jumaat

Age : 18

Course : *Nitec* in Aerospace Technology

College : ITE College Central

Name : Wang Junyong

Age : 18

Course : *Nitec* in Applied Food Science

College : ITE College East

Name : Sukvinderjit Singh

Age : 26

Course : *Nitec* in Nursing

College : ITE College East

Name : Ng Eng Keong Jeffery

Age : 20

Course : *Nitec* in Mechanical Technology

College : ITE College East

Name : Mohamad Hyrulnizam Bin Jumaat
Age : 22
Course : *Nitec* in Fitness Training
College : ITE College West

Name : Natalie Lim
Age : 19
Course : *Higher Nitec* in Business Administration
College : ITE College West

Name : Oo Jianxing
Age : 25
Course : *Nitec* in Electronics (Computer & Networking)
College : ITE College West

**Profile of recipients of Lee Kwan Yew Co-curricular Activities
Award 2009**

Name : Yeo Zong Ping
Age : 22
Course : *Higher Nitec* in Mechanical Engineering
College : ITE College East

Name : Vilvum s/o Ramu
Age : 24
Course : *Nitec* in Product Design
College : ITE College Central

Name : Berwin Tan Wei Han

Age : 18

Course : *Nitec* in Digital Audio and Video Production

College : ITE College East

Lee Kuan Yew Technology Award 2009

Write-up on Winning Projects

Project Title : SMS Alert & Monitoring for Water Supply System

Campus : ITE College East

Course : *Nitec* in Electrical Technology (Power & Control)

Members : Lim Jun Yu
Kok Kah Hau, Colin
Loh Guan Ting
Poh Zhi Wei

Most high-rise buildings in Singapore, in particular, public housing apartment blocks, have water tanks installed on their roofs. The water level in these tanks fluctuates and sometimes goes below or above optimal zone if the pumps are not in proper working order. Most often, maintenance personnel are not notified of such faults immediately, and by the time they are alerted, many litres of water would have been wasted (in the event of water tank overflow) or affected households would have been inconvenienced with dry taps for several hours (water level too low). The *SMS Alert & Monitoring for Water Supply System* is able to accurately detect abnormal water levels and send a text message to alert maintenance personnel within minutes, thereby effectively shortening response time. Apart from monitoring water levels, the system is also able to detect abnormal current and PH-levels.

Project Title : Ez-power

Campus : ITE College West

Course : *Higher Nitec* in Electronics Engineering

Members : Ng Chien Hong Eddie

Muhammed Fadhil Bin Haniff

Koh Jia Hong Kenneth

EzPower is formulated based on the simple concept of “you pay for what you use”. According to the inventors, there are various public venues like the library and shopping centres, where power sockets are readily available for public consumption at no cost. Since electricity is available for free, the team observed that users do not feel the need to conserve energy and reduce their usage, or be considerate enough to allow other people have a share of the facility. However, with EzPower, public will now have to pay for the resources they use and there will be a time limit imposed. This simple device can control the distribution of electricity and duration of usage through use of an identification card device such as a Contactless Smart Card. With the ability to control the power distribution at the front end of the line, Estates Management will now be able to control their utilities consumption and put off any unauthorised use of electricity through available power socket.

Project Title : Mini Intelligent Terminal for Child and Elderly Fitness Development (MiTE)

Campus : ITE College West

Course : *Higher Nitec* in Electronics Engineering

Members : Ong Eng Piao

Ng Kim Heng Peter

Leong Jian Jie

Koh Wan Fen Josephine

MiTE or Mini Intelligent Terminal for Child and Elderly Fitness Development, the name of their digipet, is no ordinary electronic pet. It is actually programmed in a portable and wearable device, to monitor the fitness of its user and reflect his or her health status in its own growth. Modeled like a clamshell handphone, MiTE is worn around the neck to stay close to the body to monitor physical activity and calculate calories burnt. Information such as the user's height, weight, and daily diet are transmitted to the MiTE via Wireless Bluetooth communication. With this information, MiTE is able to keep track of the user's Body-Mass Index, weight and calories intake. In addition, MiTE is able to trigger the user's mobile phone to send a SMS to care-givers when it detects that the user has fallen. This feature is ideal for the close supervision of the young and the elderly.

Project Title : Multi-purpose Wheelchair

Campus : ITE College East

Course : *Higher Nitec* in Mechanical Engineering

Members : Yeo Wei Liang

Lim Jun Rong Eric

Chen Xianghua

Wong Kin Deng

Low Kian Ann

This project emphasises on the multi functional 3-in-1 wheelchair that can be used as one of the three functions; 1) a standard wheelchair, 2) a relax chair and 3) a bed. The project aims to bring maximum comfort to an individual who is immobile or elderly. After much research, deliberation and labour, the team successfully constructed their multi-purpose wheelchair that the user can easily control by means of a joystick that acts as a lever. One pushes or pulls the joystick to adjust the backrest to the desired position and function. The team incorporated an electrical circuit and a Programmable Logic Controlled linkage mechanism for the predetermined sequences of motion of the wheelchair.

Project Title : Multi-function Assistive Device

Campus : ITE College Central

Course : *Higher Nitec* in Mechanical Engineering

Members : Ivan Tia Chang Kai

Fairuz Bte Bashir

Jason Yao Zhixiong

Muhammed Solihin Bin Mohamad

Oi Wee Keong

During a trip to St Luke's Eldercare Centre, the team pondered if they could help patients with mild strokes to get back on their feet, literally. They discovered that although walking aids are available in the market, these devices fail to address three important factors. Firstly, they do not offer the standing-only function, which is a necessary stepping stone before patients are strong enough to walk. Secondly, they are bulky, and not portable or adaptable to different kinds of treadmills. Lastly, they tend to be too expensive for non-profit organisations to invest in, costing up to \$20,000 per set. Aiming to keep costs low, the team decided to build the Multi-function Assistive Device themselves. After some trials, the team finally completed their project and got it delivered to St Luke's for the trial testing. The team's perseverance paid off, as the overall reaction towards the device was positive. The physiotherapists at St Luke's commented that the device was professionally fabricated, stable and easy to use. Patients also provided feedback that they felt safe and comfortable in the harness, and have more confidence walking on the treadmill when they use the new device.

Project Title : Smart Safety Stove

Campus : ITE College Central

Course : *Higher Nitec* in Mechatronics Engineering

Members : Zheng Xin Wei Benjamin

Sheikh Abdul Muzzammil Bin Sheik A Feisal

Nur Hidayah Bte Salleh

Lum Kar Zhun

Muhammad Zulhelmi Bin Zainal

We keep hearing in the news about fire-related accidents. Well, this team of students has created a Smart Safety Stove in an attempt to prevent such unfortunate episodes for your residents, to be precise, in the kitchen. The smart stove is incorporated with a sensor device that will trigger a warning buzzer after it has detected a period of user's absence from the stove. If the user does not return to the stove after some time, the sensor will detect the user's prolonged absence and send a signal to an electronic micro-controller, activating a solenoid valve to cut off gas supply. Gas supply will resume when the user is detected by the sensor to have returned to the stove. Not only can the device be eventually used in any conventional household, it can also be applied to commercial stoves in restaurants, cookhouses and food centres.

ITE Student Achievers' Award Ceremony 2009

Programme

0945 hours	Guests to be seated
1000 hours	Arrival of Mr Bruce Poh Geok Huat Director & Chief Executive Officer Institute of Technical Education
	Report by Mr Goh Mong Song, Chairman of ITE Arts Council
	Report by Mr Chong Leong Fatt, Chairman of ITE Sports Council
	Address by Mr Bruce Poh
	Presentation of Awards
	Performance by Students
1200 hours	Reception

Location Map Of ITE Headquarters

