

ITE 06/18/01

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ITE Launches Four New Precision Engineering-Related Courses

In support of further growth and development of Singapore's precision engineering (PE) industry and to attract secondary school leavers to take up careers in the sector, ITE will be implementing four new courses related to the field. Aimed at developing a new-generation set of PE skills, these courses will equip ITE's PE graduates to serve in high-value manufacturing industries that are being attracted to Singapore.

2 The **NEW** full-time courses to be implemented in January 2009 are:

- ***Nitec* in Aerospace Machining Technology**
- ***Nitec* in Machine Building Technology**
- ***Nitec* in Medical Manufacturing Technology**
- ***Nitec* in Semiconductor Tooling Technology**

Details of the four new courses are appended at [Annex A](#).

3 Mr Bob Tan, Chairman, ITE Board of Governors, will announce details of these courses to the media at a News Conference on **Wednesday 26 November 2008**, following a Board Visit to two PE companies – Singapore Aerospace Manufacturing Pte Ltd and Yamazaki Mazak Singapore Pte Ltd.

Skills for High-Value Manufacturing Industry

4 The PE sector contributes to 10% of Singapore's total manufacturing output and employs more than 94,000 employees or 25% of the total manufacturing workforce here. The transformation of existing industries and the growth of new ones - from aerospace to medical technology and life sciences, and interactive and digital electronics - have led to an increase in demand for precision engineering expertise to serve in these high-value manufacturing industries. The four new *Nitec* courses are therefore designed such that participants will acquire advanced machining skills deployed in these industry sectors, as well as broaden their technology capability to support the pre-manufacturing design, planning, set-up and post-manufacturing treatment and quality assurance processes.

Strong Industry Endorsement for PE Programmes

5 To date, major industry players have marked their strong support for the new courses by offering scholarships to deserving ITE students in these courses, annually. These companies include Yamazaki Mazak Singapore, Singapore Aerospace Manufacturing, MTS CNC Systems,

AMADA Singapore, Crafts Precision Engineering & Tools, JEP Precision Engineering, Riken Engineering, TechTown – MasterCAM and Renishaw Singapore.

6 Said Mr Bruce Poh, Director & CEO, ITE: "ITE's regular stock take of developments in industry and review of existing PE curriculum ensure that our courses are not only relevant but address the emerging and advanced machining skills required by the various industry sectors deploying the Precision Engineering skills. These sectors include aerospace machining, medical equipment manufacturing, machine building and semiconductor tooling. In addition to being equipped with stronger niche competencies and precision skills, ITE students will be exposed to high-value manufacturing skills through industry attachment in these industries."

Invitation to the Media

7 Media members are cordially invited to cover the ITE Board of Governors' Visit to Singapore Aerospace Manufacturing Pte Ltd and Yamazaki Mazak Singapore Pte Ltd, and thereafter the News Conference. **The Conference will be held at Level 1, Yamazaki Mazak, 21, Joo Koon Circle, at 1115 hours.** The programme for the visit is at Annex B. Transportation from ITE Headquarters at 10 Dover Drive to the companies, and back, will be arranged for the media. **[Kindly note that photography and filming are disallowed on the premises of Singapore Aerospace Manufacturing]**

8 For further information and arrangements for interviews, as well as confirmation on attendance, please contact:

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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**.

Details of Four New PE-Related Courses

Nitec in Aerospace Machining Technology

Equips students with the skills and knowledge to produce aerospace components such as engine casings, aero structures and landing gear components using multi-axis universal machining centres.

Nitec in Machine Building Technology

Equips students with the skills and knowledge to build machine modules, carry out functional and acceptance tests and develop mechanical designs using CAD/CAM system to generate prototype models.

Nitec in Medical Manufacturing Technology

Equips students with the skills and knowledge to assemble plastic injection moulds and produces medical devices such as dental implants and orthopaedic screws using multi-axis CNC machining centres and CAD/CAM system.

Nitec in Semiconductor Tooling Technology

Equips students with the skills and knowledge to assemble integrated toolings and produces semiconductor components using CNC laser and forming technologies, and computer-aided forming system.

Course Locations

The courses will be conducted at ITE College West (Ang Mo Kio Campus) and ITE College West (Balestier Campus).

Intake Capacity

Each course will have an annual intake of 160 students.

Entry Requirements

3 GCE 'N' level passes (Grades A~D) in Mathematics or Science and 2 other subjects; OR
2 GCE 'O' level grades (Grades 1~8) in any 2 subjects.

PROGRAMME

**VISIT BY ITE BOARD OF GOVERNORS TO
PRECISION ENGINEERING INDUSTRY**

Wednesday 26 November 2008

<u>Time</u>	<u>Activity</u>
0830 hrs	Depart ITE HQ for Singapore Aerospace Manufacturing Pte Ltd 51, Corporation Road
0900 hrs	Arrival at Singapore Aerospace Manufacturing Pte Ltd Corporate Presentation and Q & A Session
0930 hrs	Tour of Plant
1000 hrs	End of Visit
1015 hrs	Arrival at Yamazaki Mazak Singapore Pte Ltd 21, Joo Koon Circle Corporate Presentation and Q & A Session
1045 hrs	Tour of Plant
1115 hrs	Press Conference and Media Interviews
1145 hrs	Refreshments