



# PNG INSTITUTE OF NATIONAL AFFAIRS WORKSHOP

30 – 31 January, 2012, Ela Beach Hotel, Port Moresby, NCD

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## TOPIC .....

*The Social & Economic Impact of the Extractive Industry Job Stream in PNG: Country Case Study to Inform the World Bank's 2013 World Bank Development Report on "Jobs"*

## TRAINING – “ Issues & Challenges”

How is the NATIONAL POLYTECHNIC INSTITUTE OF PNG (NPIPNG) contributing & responding....

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a/Director



EDUCATING & SKILLING THE WORKFORCE

## NATIONAL POLYTECHNIC INSTITUTE OF PNG.....Background

- Formerly Lae Technical College or school as it was known then, was established in 1953 at Busu Secondary grounds and relocated to present site between 1954 and 1955.
- School commenced its first apprentice program in 1955
- Status changed from school to college in 1965 and there was significant infrastructure development with plan to introduce new programs.
- College was running continuous High School Technical Education Program in which Grade 8 students continue to Technical College to do Grade 9 and 10.
- Between 1979-1980 the continuous High School Technical Education program was phased out and replaced with the 40 Week Pre-Employment Technical Training Certificate (PETT) that takes in Grade 10 school leavers. Various programs for award of Certificate in Higher Technical Education (CHTE) and various tradesmen extension courses were also conducted
- In 1993 first of the four semester diploma program or two years full-time studies was introduced to replace CHTE programs.
- In 1994 the first two-year Technical Training Certificate (TTC) course in Tourism & Hospitality was introduced and other TTC courses were introduced in the years that followed to replace PETT courses except the PETT Course in Butchery.
- In 1997 with AusAid funding , Maintenance Fitting & Machining and the Metal Fabrication & Welding facilities were upgraded, assessed and certified as the Trade Testing Centre for MFM and MFW trades.
- As of Year 2000 and onwards, the institute is offering 12 Diploma courses, 6 TTC courses, the only PETT Butcher course and Extension Cookery Course.
- On 3<sup>rd</sup> December, 2009, the status of the institute changed again and this time from college to a polytechnic institute and is now called the NATIONAL POLYTECHNIC INSTITUTE OF PNG in line with the National Education Plan and the TVET Strategic Plan.
- In 2011 National Certificate Course (NC1 & 2) in MFM and MFW, and NC1 in Tour Guiding were introduced. NC courses are competency based training program in line with the National Qualification Framework (NQF).



**NATIONAL DEPARTMENT OF  
EDUCATION (NDoE)**



**TECHNICAL VOCATIONAL  
EDUCATION & TRAINING (TVET)**



**NATIONAL POLYTECHNIC  
INSTITUTE OF PNG(NPIPNG)**

## EDUCATING & SKILLING THE WORKFORCE

- NPIPNG one of the seven(7) Technical and Business Colleges under the TVET Division of the National Department of Education.
- NPIPNG is the largest in terms of student enrolment (over 1000 students) and offering total of 24 programs being highest compared to other TVET institutions.
- NPIPNG has an academic staff ceiling of 70 but the current staff strength is 56. Support staff strength is 46.
- The institution's operational budget annually is just over K4 million and 95% revenue is generated through course fees. On average the institute receives 60,000.00 to 100,000.00 as operational grants.
- Except the funding of two Computer Laboratories in 2006, no development/improvement funding has been received from Education Department through TVET as far as I can recall since 1995.
- NPIPNG has benefited support from projects funded by AUSAID and KOICA. Industry has also supported by donating old equipment and machinery for training purpose.
- Academic staff salary is paid by Education Department while the institute is responsible ancillary staff salaries and salaries for part-time academic staff.



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## COURSE PROGRAMS

*Six (6) Academic Departments offering courses as follows;*

### APPLIED SCIENCE DEPARTMENT

- ▣ *Diploma in Applied Science*
- ▣ *TTC in Science Technology*

### BUILDING & CIVIL ENGINEERING DEPARTMENT

- ▣ *Diploma in Architectural Drafting*
- ▣ *Diploma in Building*
- ▣ *Diploma in Civil Engineering*
- ▣ *TTC in Drafting*

### BUSINESS STUDIES DEPARTMENT

- ▣ *Diploma in Business Studies (Accounting)*
- ▣ *Diploma in Business Studies (Management)*
- ▣ *Diploma in Business Studies ( Computing)*
- ▣ *Diploma in Business Studies (Office Admin.)*
- ▣ *TTC in Business Studies*

Key: TTC- Technical Training Certificate  
PETT- Pre Employment Technical Certificate  
NC – National Certificate

### ELECTRICAL ENGINEERING DEPARTMENT

- ▣ *Diploma in Electrical Engineering (Power)*
- ▣ *Diploma in Electrical Engineering (Electronics)*

### MECHANICAL ENGINEERING DEPARTMENT

- ▣ *Diploma in Mechanical Engineering*
- ▣ *TTC In Maintenance Fitting & Machining (MFM)*
- ▣ *TTC in Metal Fabrication & Welding (MFW)*
- ▣ *NC1 in MFM*
- ▣ *NC1 in MFW*

### TOURISM AND HOSPITALITY DEPARTMENT

- ▣ *Diploma in Hospitality Management*
- ▣ *TTC in Tourism & Hospitality*
- ▣ *PETT BUTCHERY*
- ▣ *Extension 1 & 2 in Cookery*
- ▣ *NC1 in Tour Guiding*

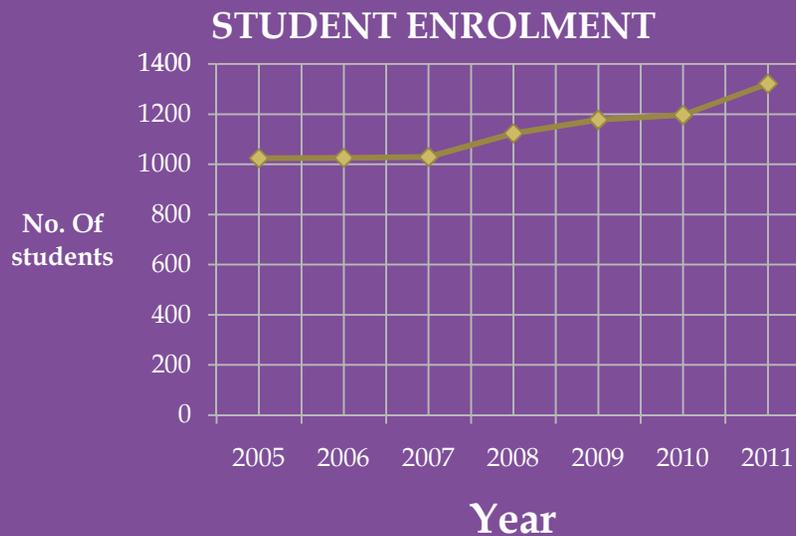


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.....WAYS FORWARD.....

## STUDENT ENROLMENT

*Student enrolment since 2005 has been increasing steadily as reflected in the chart below.*

Year	Enrolment
2005	1024
2006	1025
2007	1029
2008	1123
2009	1177
2010	1196
2011	1321





## EDUCATING & SKILLING THE WORKFORCE

**While there is increase in enrolment, there has been no corresponding increase in the Institute's capacity to deliver the program;**

- ▣ *Qualified staff leaving for industries and difficulty in recruiting qualified replacement...*
- ▣ *Massive investment is require to replace equipment that are beyond their useable life or obsolete in terms of advance in technology. A single lathe machine for teaching & training purpose cost over K170,000.00 and 30 of them are required in a workshop for training. The institution does not have financial capacity to purchase such training equipment.*
- ▣ *More classrooms & Laboratories are required....*
- ▣ *Staff require training, upgrading of skills & knowledge...*
- ▣ *List goes on....*



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On a brighter note... the GOVERNMENT attention has SHIFTED

...AND

TVET is on the Government priority agenda and NPIPNG, as a TVET institution welcomes the attention it is getting..... HOWEVER....

...it is not the ATTENTION that the TVET institutions needs, it is the improved level of funding that TVET institution needs...



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NPIPNG will continue to contribute in educating and skilling workforce...

- **Graduating 300- 400 graduates at the technician level annually...**
- **Partner with National Trade Testing & Apprentice Board (NATTB) in conducting extensions courses and Trade Testing program...**
- **Partner with stakeholders to conduct tailored and customized skilled programs...**
- **Pursue linkages with other training providers, industry and other stakeholders...**
- **Introduce more NC programs.**
- **Re-introduce MFM & MFW Extension block course. Boarding facilities is preventing this activity to be implemented immediately.**
- **There need for Skills Register /Data Base and to be administered by a body that is strongly linked to Chamber of Commerce, Mines & Petroleum Energy and other major industries. This Database is sourced by skills training providers for planning and deliver skills training.**



# EDUCATING & SKILLING THE WORKFORCE .....WAYS FORWARD....

**NPIPNG has been contributing & responding since 1954 and will continue to do so. With the Government attention focused on TVET, the Institute will be better resourced to meet the targets in MTDS in Educating & Skilling the Workforce.**



# Thank you