

# **Secondary Teacher Education for Quality Output and National Development in the context of ... and High Expectations**

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# GOROKA TEACHERS COLLEGE ERA

## 1960 - 1994

- GTC WAS UNDER THE AUSPICES OF THE DEPARTMENT OF EDUCATION
- GTC'S FOCUS OF THE PROGRAM WAS ON PREPARING PRIMARY AND LATER HIGH SCHOOL TEACHER EDUCATION/TRAINING
- STUDENT CAPACITY WAS LESS THAN 400 HEADS
- THREE-YEAR DIPLOMA IN SECONDARY TEACHING
- 1976 AMALGAMATED WITH UPNG
- 1994 EDUCATION FACULTY TRANSFERRED FROM UPNG TO GOROKA

# UPNG – GOROKA CAMPUS OF UPNG

## 1975 - 1996

- THE PROGRAM WAS STILL FOCUSED ON SECONDARY TEACHER TRAINING/EDUCATION
- THE DIPLOMA AWARD BEARS THE UPNG INSIGNIA AND ADMINISTERED UNDER UPNG COUNCIL AND ADMINISTRATION
- PREPARATION FOR TRANSITION TO BECOME A STAND-ALONE UNIVERSITY (1994)
- GOROKA CAMPUS WAS THE PREMIER TEACHER EDUCATION INSTITUTION IN THE SOUTHWEST PACIFIC

# PRIOR TO 1996

- GTC PRODUCED 80% OF THE SECONDARY SCHOOL TEACHERS IN PNG
- ON AVERAGE 300 SECONDARY SCHOOL TEACHERS GRADUATED ANNUALLY FROM GTC
- GTC, UPNG-GOROKA CAMPUS AND NOW UOG CONTINUE AS TEACHER EDUCATION PROVIDER IN THE LAST 50 YEARS (1960-2010) .... 15,000
- BY ABOUT THIS TIME GTC HAD ONLY OFFERED DIPLOMA IN SECONDARY TEACHING AND ADVANCED DIPLOMA IN TEACHING IN CERTAIN SCHOOL SUBJECTS

# UNIVERSITY OF GOROKA

## 1997 - 2018

- 21 YEARS OF PROVIDING TEACHER EDUCATION AS WELL AS HR REQUIREMENTS OF PNG
- UOG'S GREATEST STRENGTH IS STILL IN TEACHER EDUCATION WITH 80% OF THE ACADEMIC PROGRAM GEARED FOR TEACHING IN PNG SCHOOLS
- 20% OF THE ACADEMIC PROGRAM GEARED TO SERVICE HR REQUIREMENTS FOR OTHER DISCIPLINES
- THERE IS GROWING DEMAND IN FOR DEVELOPING PNG'S EVER GROWING HR REQUIREMENTS
- 1997-2017 (10,000 GRADUATES)

# OBJECTIVES OF THE UNIVERSITY: UOG ACT 1997 (s5)

- THE UNIVERSITY SHALL BE DEDICATED TO THE PURSUIT, ADVANCEMENT AND DISSEMINATION OF KNOWLEDGE, UNDERSTANDING AND WISDOM
- ...THE UNIVERSITY SHALL PAY PARTICULAR ATTENTION TO THE HUMAN RESOURCE DEVELOPMENT AND OTHER DEVELOPMENT NEEDS OF PAPUA NEW GUINEA AND SHALL ENDEAVOUR TO ACHIEVE ACADEMIC AND PROFESSIONAL EXCELLENCE TO MEET THOSE NEEDS THROUGH TEACHING, RESEARCH AND COMMUNITY SERVICE.
- **NOTE: THE ACT DOESN'T MENTION ANYTHING ABOUT TEACHER TRAINING/EDUCATION**

# **THE UOG ERA**

## **1997 - 2017**

- The UOG Act 1997 is very clear on UOG's Mandate as a university is to develop Human Resources in PNG. No where in the act mentions anything to concentrate on Teacher Training or Teacher Education.
- UOG CELEBRATED 20 YEARS AS A UNIVERSITY IN 2017
- BY 2017 UOG HAS GRADUATED NEARLY 10,000 TEACHERS DESTINED FOR PNG SCHOOL SYSTEM

# UNIVERSAL BASIC EDUCATION

- FIVE DOMAINS OF UBE
  1. ACCESS
  2. RETENTION
  3. EQUITY
  4. QUALITY
  5. MANAGEMENT/GOVERNANCE



# FACTORS INFLUENCING QUALITY EDUCATION

## 1. QUALIFIED TEACHERS

1. DEGREE, DIPLOMA OR CERTIFICATE
2. TEACHER TO STUDENTS RATIO (1:40)....1:60?)
3. TEACHERS WELFARE (SALARY, LEAVE FARE)
4. STANDARD OFFICERS TO ENSURE TEACHING

## 2. PRESCRIBED TEXTBOOKS

1. LITERACY RATE
2. TEXTBOOK TO STUDENT RATIO (1:10).....(1:1)
3. STUDENTS' PERFORMANCE IN EXAMS
4. PASS RATE (CURRENT STANDARD = 50%)

# EXPENDITURE PATTERN

- LESS MONEY SPENT ON PROMOTING QUALITY EDUCATION IN AREAS LIKE:
  - PURCHASING CURRICULUM MATERIALS
  - TEXTBOOKS OR BOOKS IN GENERAL
  - TEACHERS' PROFESSIONAL DEVELOPMENT
- QUALITY DOMAINS IN UBE INCLUDE:
  - TEXTBOOK TO STUDENT RATIO (1:10)... (1:1)
  - TEACHER TO STUDENT RATIO (1:60)....(1:35)
  - PASS RATE ISSUE IS GIVEN SCANT ATTENTION
    - STUDENT MUST BE LITERATE AND NUMERATE
    - ACADEMICALLY ABLE AND MOTIVATED
    - OVERCROWDED CURRICULUM

# ANALYSIS OF CURRENT EXPENDITURE

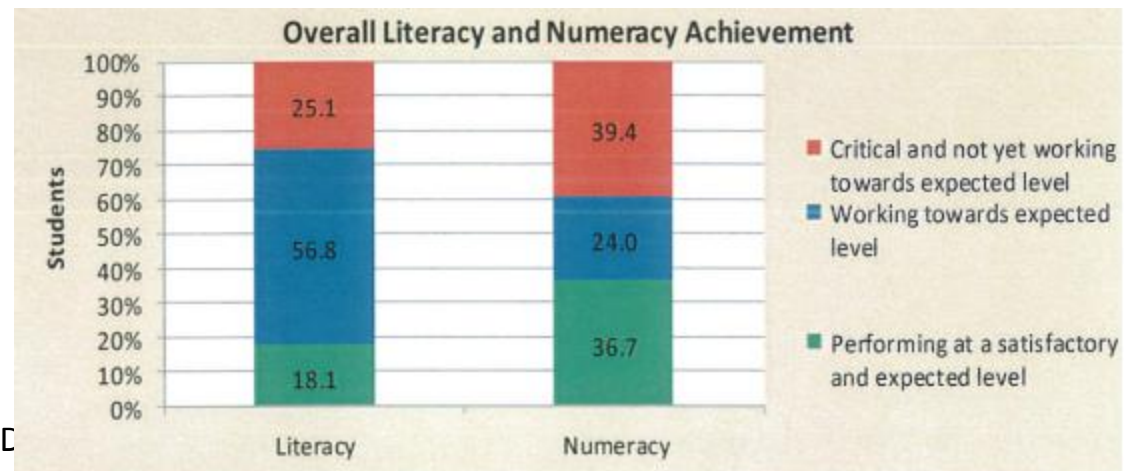
- FOR EVERY K1.00 OF TFF FUNDS
  - 40 TOEA ON INFRASTRUCTURE
  - 25 TOEA ON MAINTENANCE
  - 35 TOEA ON OTHER ITEMS (RATIONS, BILLS, OTHERS)
  - 10 TOEA FOR TEXTBOOKS & CURRICUUM MATERIALS, IN-SERVICE FOR TEACHERS
- EXCELLENT INTERVENTION BY MINISTER HON N KUMAN (PC 12/02/18:
  - CASH ADMINISTRATION (40%)
  - INFRASTRUCTURE (30%)
  - TEACHING AND LEARNING (30%)
    - 15% TO SCHOOL AND 15% CENTRALLY PROCURE

# PILNA REPORT (DOE 2013:5) LITERACY AND NUMERACY

STUDY: LITERACY AND  
NUMERACY SKILLS OF GRADE 5  
STUDENTS IN 14 PACIFIC ISLAND  
COUNTRIES INCLUDING PNG.

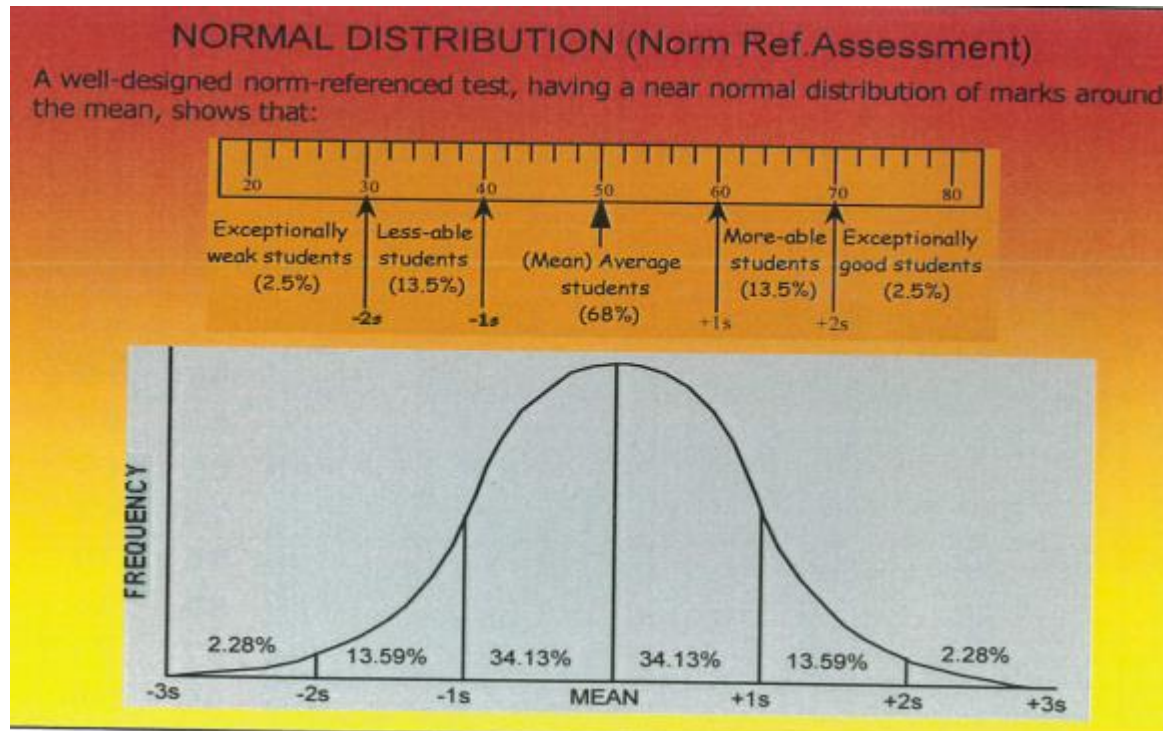
FACT 1: GRADE 5 STUDENTS IN  
PNG ARE FUNCTIONALLY ILLITERATE  
AND FUNCTIONALLY INUMERATE.

MAJORITY OF THE STUDENTS  
ASSESSED IN LITERACY (81.9%)  
NUMERACY (63.4%) ARE NOT  
PERFORMING AT A SATISFACTORY AND  
EXPECTED LEVEL COMPARED TO THEIR  
COHORTS IN THE OTHER 13 PACIFIC  
ISLAND COUNTRIES.



# DISCUSSION ON PASS RATE (50%)

Source: Arulappan (2015)



# INDICATOR FOR QUALITY EDUCATION

- PASS RATE (50%)
- FULLER & CLARK (1994):
  - TEXTBOOKS AND READING MATERIALS
  - TEACHER QUALITY
  - INSTRUCTIONAL TIME
  - WORK DEMAND PLACED ON STUDENTS
  - TEACHER WELFARE ISSUES
  - TEACHER TO STD RATIO

# SOME FACTS ON OBE

- PROPONENTS OF OBE
- OBE INTRODUCED AROUND MID 1990's
- ELEMENTARY STUDENTS IN 1990's WERE THE SUBJECTS
- 12 or 13 YEARS AFTER THE IMPLEMENTATION IN 2011-2013
  - WHAT DID WE SEE?

# SOME COMMENTS ON THE DECLINING STANDARDS

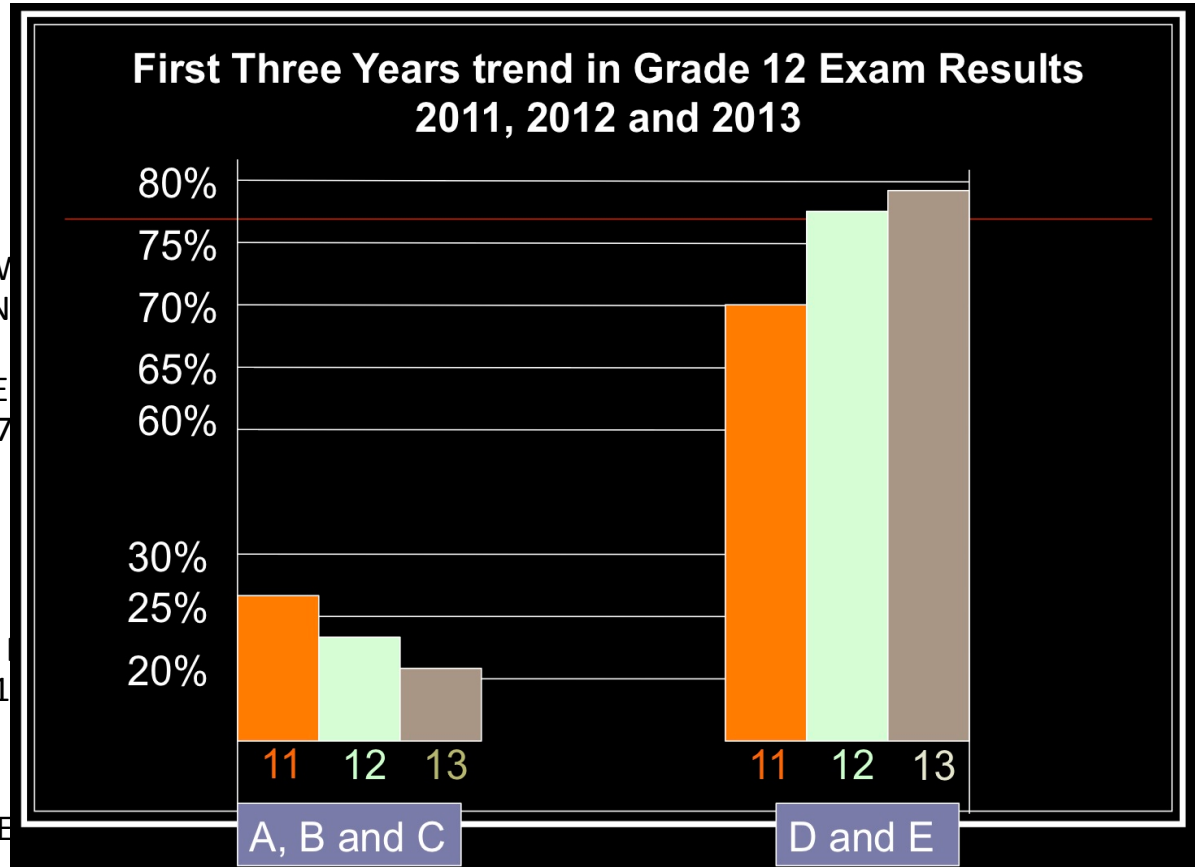
Source: Kapanombo (2014).

THE CURRENT PASS RATE IS 50%.

DATA AVAILABLE (2011-2013) SHOW THAT THE PROPORTION OF STUDENTS DESERVING HIGHER AND BETTER GRADES (A, B, & C) IN THEIR GRADE EXAMINATIONS DECLINED FROM 27% IN 2011 TO 21% IN 2013.

CONVERSELY, THE PROPORTION OF STUDENTS AVAILABLE AND DESERVING LOWER GRADE (D AND E) HAS INCREASED FROM 70% IN 2011 TO NEARLY 80% IN 2013.

IF THIS TREND CONTINUES THEN LESS THAN 30% WILL BE ELIGIBLE FOR A, B & C GRADES WHILE 70% WILL BE CONTENT WITH D AND E GRADES





# **PAY ATTENTION TO FACTORS INFLUENCING QUALITY**

## **1. QUALIFIED TEACHERS**

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## **2. PRESCRIBED TEXTBOOKS**

- 1. LITERACY RATE**
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- 3. STUDENTS' PERFORMANCE IN EXAMS**
- 4. PASS RATE (CURRENT STANDARD = 50%).....(60%?)**

# **WHAT IS UOG'S ROLE AS A HUMAN RESOURCE DEVELOPMENT UNIVERSITY**

- ESTABLISHED SCHOOLS (EDUCATION, HUMANITIES, SCIENCE & TECHNOLOGY, POSTGRADUATE STUDIES AND ESTABLISHED INSTITUTE OF TVET
- SUCH SCHOOLS HELP COMPLIMENT AND DEVELOP CONTENT PROGRAMS IN RESPECTIVE SUBJECT DISCIPLINES FOR CAREERS IN TEACHING
- 80% OF THE PROGRAMS ARE TARGETTED FOR IMPROVING TEACHER QUALIFICATION

# **WHAT SPECIFIC PROGRAMS ARE DEVELOPED FOR ENHANCING TEACHER QUALIFICATION**

- **DIPLOMA IN EARLY CHILDHOOD EDUCATION**
- **POSTGRADUATE DIPLOMA IN EDUCATION (FOR GRADUATES IN OTHER CONTENT DISCIPLINES)**
- **ALL DEGREES AND DIPLOMA PROGRAMS ARE ADVERTISED FROM TIME TO TIME. THE PROGRAMS ARE AIMED AT PROVIDING CONTENT**
- **PROFESSIONAL EXPERIENCE IN SCHOOLS (TP)**

# UOG'S STRATEGIC DIRECTION FORWARD

- WE HAVE ALIGNED OUR NEW STRATEGIC AND CORPORATE PLAN 2018-2022 INCORPORATING: PNG VISION 2050, PNG DSDP 2010-2030, HIGHER AND TECHNICAL EDUCATION IMPLEMENTATION PLAN 2017-2038, MTDP3. AND ALOTAU ACCORD II.
- OUR FOCUS WILL BE ON IMPROVING QUALITY TEACHER TRAINING
- UOG IS COMMITTED TO PROVIDING QUALITY TEACHER EDUCATION (MAIN FOCUS)

# **POSTGRADUATE DIPLOMA IN EDUCATION (PGDE)**

- TEACHER QUALIFICATION FOR GRADUATES IN DISCIPLINES OTHER THAN EDUCATION
- GREATER MAJORITY ARE SELF-SPONSORED
- UOG STUDENTS STUDYING IN HUMANITIES AND SCIENCES ARE INTERESTED IN PGDE BUT ARE UNABLE TO SELF-SPONSOR
- FRANCHISE ARRANGEMENT TO OFFER PGDE DURING VACATION FOR 'UNCERTIFIED TEACHERS' CANNOT ATTRACT SPONSORSHIP

# IMPROVING QUALITY TEACHERS

- UOG OFFERS PGDE (1 YEAR)
- DIPLOMA IN EARLY CHILDHOOD EDUCATION (
- B.Sc (MATHEMATICS – 4 YEARS)
- B.Sc (PHYSICS – 4 YEARS)
- B.Sc (CHEMISTRY – 4 YEARS)
- B.Sc (BIOLOGY – 4 YEARS)
- B.Sc (NETWORKING AND CYBERSECURITY)
- B.Sc (ENVIRONMENTAL SCIENCE)

# RECOMMENDATIONS (ADDRESSING QUALITY ISSUES)

- **SCHOLARSHIP BE PROVIDED FOR UOG STUDENTS PURSUING:**
  - B.Sc (MATHEMATICS, BIOLOGY, CHEMISTRY, PHYSICS, ENVIRONMENTAL SCIENCE, AGRICULTURE EXTENSION, NETWORKING & CYBERSECURITY) + PGDE
  - POSTGRADUATE DIPLOMA IN EDUCATION (PGDE)
  - B.Ed ( for various disciplines to enter Teaching)
- **PROCURE TEXTBOOKS/BOOKS FOR SCHOOLS**

# END OF PRESENTATION

