

# The 2025 PETROLEUM & ENERGY CONFERENCE

*Stanley Hotel & Suites,  
8<sup>th</sup> -9<sup>th</sup> October 2025*

***“The next 50”***

*PNGUoT will continue to support the Resources and Energy sector through Human  
Resource Development*

***Professor Kaul Gena  
PVC Administration***



# *Papua New Guinea University of Technology (PNGUoT)*

- ▶ Located in Lae City, Morobe Province.
- ▶ Established on the 26<sup>th</sup> May 1965 as PNG Institute of Higher Technical Education
- ▶ 3500 students. (31 students in 1967 to 321 in 1972)
- ▶ First Graduates – 4 Surveying Dipl-3/1970 to 800+/yr
- ▶ STEM based University.
- ▶ 5 Faculties
- ▶ 13 Schools
- ▶ PGS has 234 students comprising masters (209) and PhD (25) students.



# Strategic Plan 2025 - 2029

## Vision and Mission Statement

### **VISION**

“A leader in scientific research and technological innovation that is impacting Society”

### **MISSION STATEMENT**

*“To produce world-class graduates through excellence in teaching, cutting edge research, and the innovative application of science and technology”*



# OUR CORE VALUES

- **High Ethical Standards** – Honesty, Accountability & Respect
- **Professionalism** – Responsibility to achieve strategic objectives, good stewardship of assets
- **Diversity and Inclusivity** – Equality of citizens in all areas of life
- **Innovation and Initiative** – leveraging technology to enhance livelihoods
- **Pride and Passion** – Unitech is passionate about our products



# Our Graduate Attributes

**ØA lifelong learner**

**ØA critical thinker**

**ØEffective Communicator**

**ØCultural Modernist**

**ØMorally upright**

**ØTechnologically savvy**



# ***Some Achievements under Academic Excellence***

**Ø All 5 Engineering Courses are fully accredited**



# *Some Achievements under Academic Excellence*

**Ø All other professional courses are to be accredited or benchmarked to industry or international standards.**

**Ø 234 postgraduate students (25 PhDs, 209 Masters).**

**Ø Staff are publishing over 100 papers annually in indexed journals.**

**Ø Launched the inaugural Interdisciplinary Journal of PNGUoT in Oct 2024.**



# Interdisciplinary Journal of PNGUoT



***A special edition commemorating the 50<sup>th</sup> Independence Anniversary was published on the even of Independence***

# Achievements under Financial Management

**Ø 6 years of unqualified financial audits.**

Ø Strong financial position to support growth.

**Ø PNGUoT spent K8.63m for upgrading facilities and equipment.**

Ø KPHL K4.30m, Others OTML, KMHL, ExxonMobil K0.64m.

**Ø Recruited heavily for academic positions, particularly professorial positions to deliver the accredited programs.**

Ø Strengthen international partnerships for collaborative research

# ***Pillars for the 2025-2029 Strategic Plan***

**Ø Academic Excellence**

**Ø Research Development & Innovation**

**Ø Operational Excellence**

**Ø Financial Stewardship**



# Academic Excellence

- Ø **Maintain Accreditation standards**

- Ø **International Student intake**

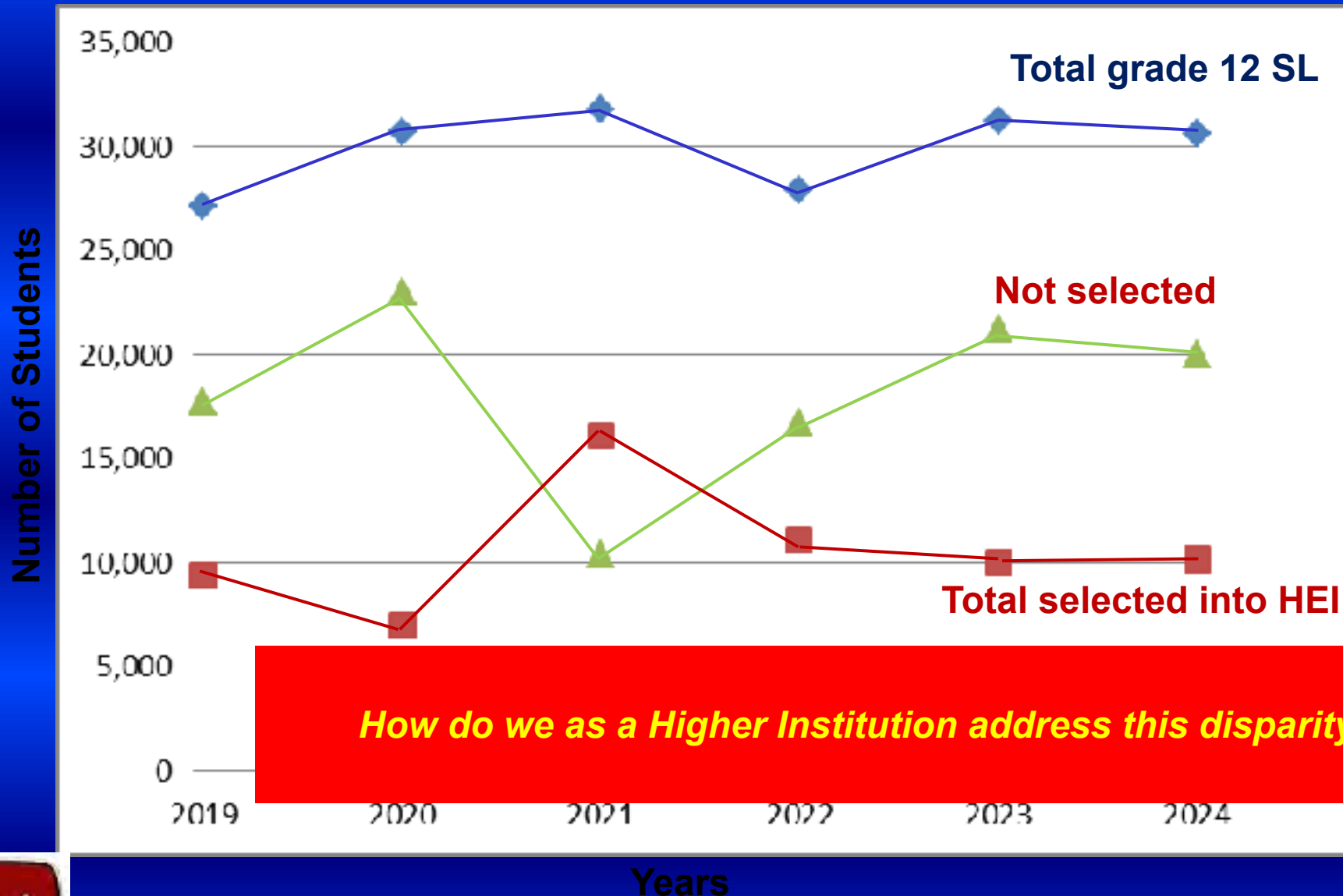
- Ø **Diversify courses to *meet industry, government and community demand;***

  - Ø **Bachelor of Aerospace Engineering (BEHon)**

  - Ø ***Petroleum Engineering, Software & Computer Engineering.***

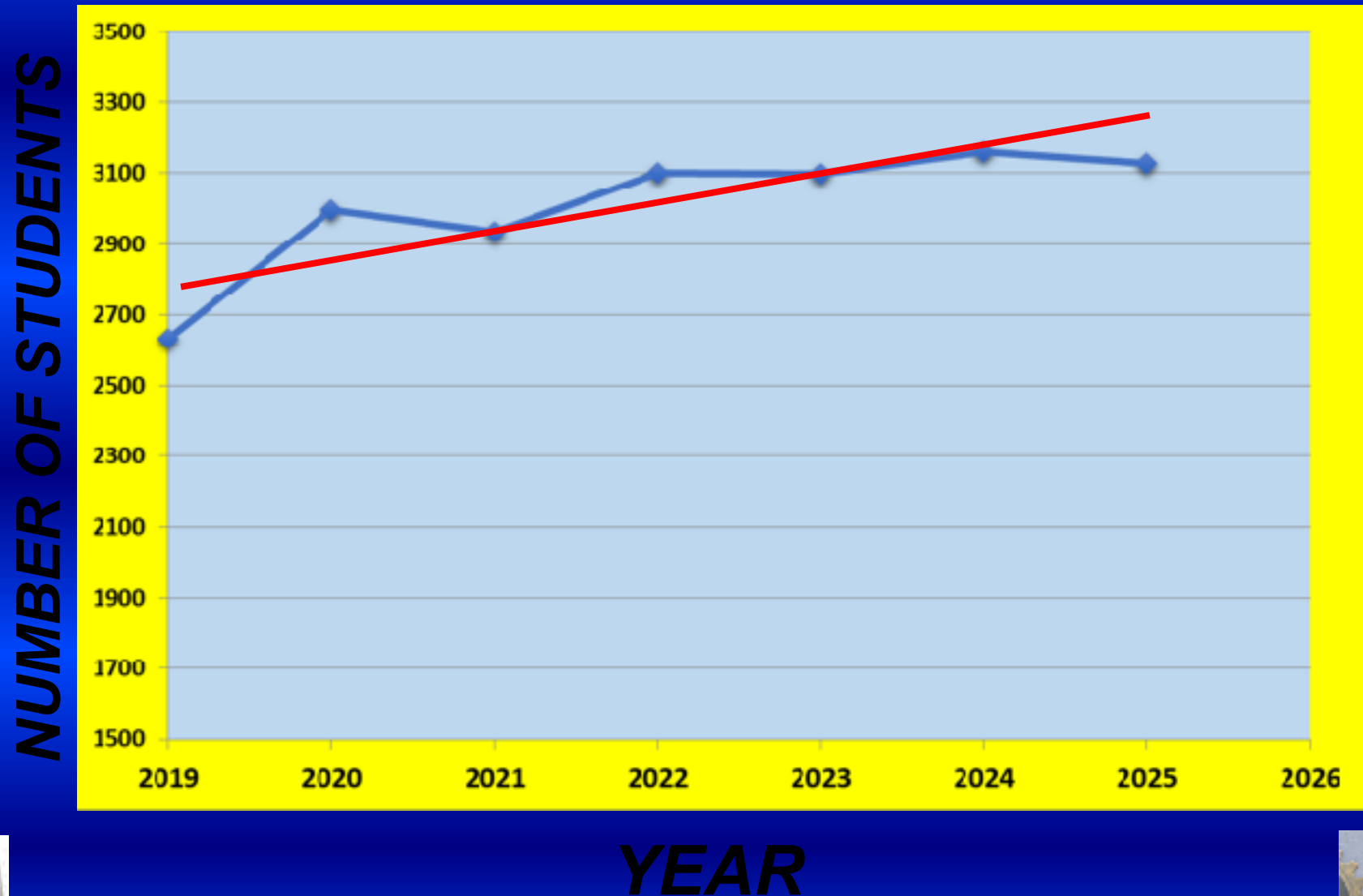
  - Ø ***Agricultural engineering & Agribusiness courses***

# Academic Excellence



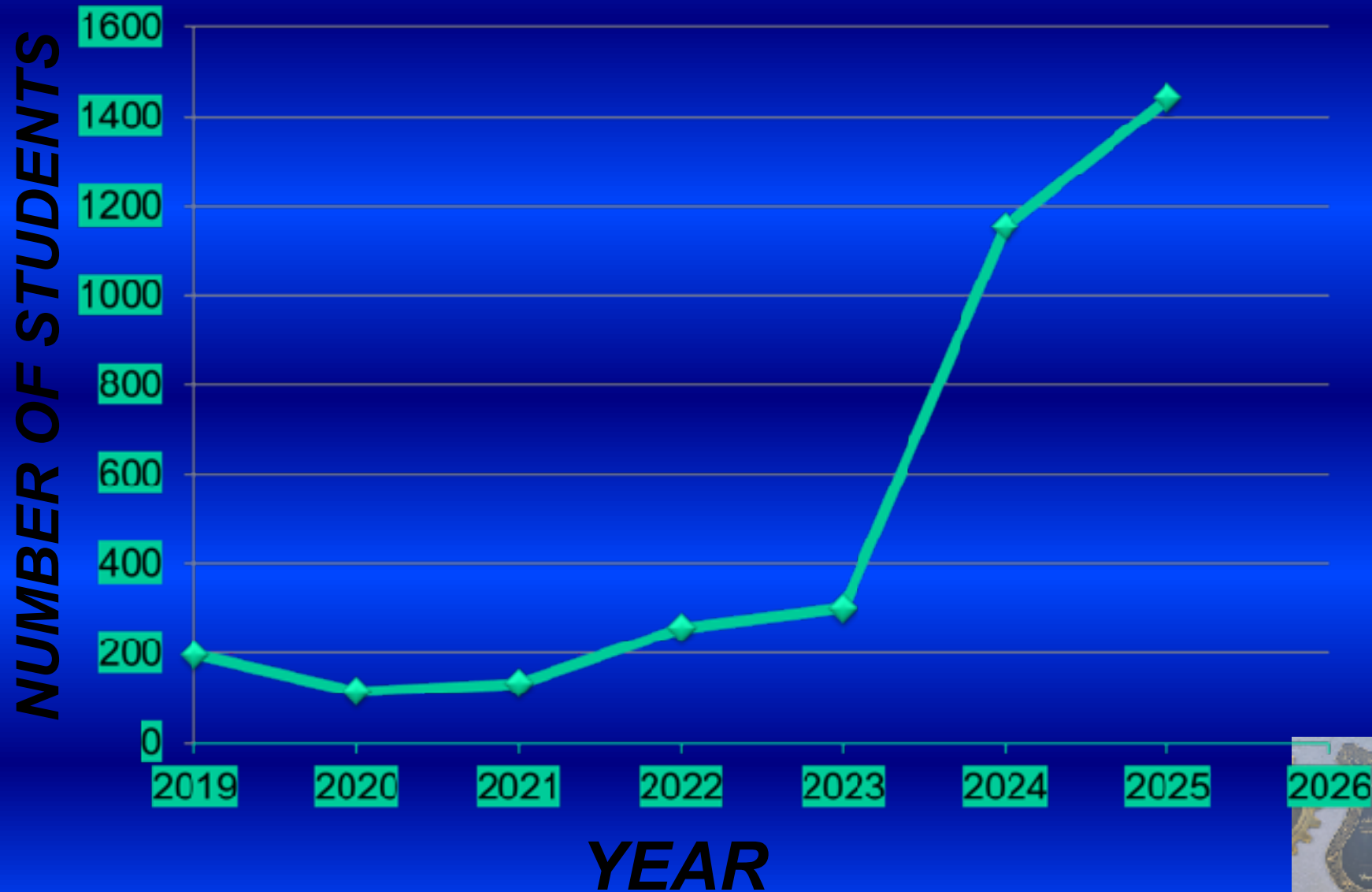
# ACADEMIC EXCELLENCE

## *PNGUoT Enrollment*



# ACADEMIC EXCELLENCE

*PNGUoT Affiliated Institution*



# Academic Excellence

## Ø Online Education Programs

Department	Course	Year 1	Year 2	Year 3	Year 4	Subtotal
DBS	Accountancy	149	61	20	4	234
	•Future Plans Applied Economics	54	23	4	2	83
	Management	93	48	3	2	146
	Business IT	51	39	4	1	95
CDS	Communication for Development	43	35	6	2	86
MCS	Applied Mathematics	36	5	1	NA	42
DSLS	Property Studies	44	8	4	1	57
BACM	Construction Management	94	29	NA	NA	123
Grand Total						866



# Faculty of Engineering

## School of Mechanical Engineering

### Bachelor of Aerospace Engineering (BE Hons)

It requires specific laboratories like

- Aerodynamics & Fluid Mechanics Lab
- Propulsion & Thermodynamics Lab
- Structures & Materials Lab
- Avionics & Control Systems Lab
- Design & Simulation Lab
- Satellite & Unmanned Aerial Vehicle (UAV) Systems Lab
- Safety & Support Equipment

***School of Mechanical Engineering – 60%***



# Research & Innovation

***Ø Professors must align their research in consultation with industry, government and communities to be problem and solution based***

***ØPNGUoT Rice Research Centre .***

***ØTechnology Transfer Centre – OkTedi funded***

***ØConfucius Institute – offering Chinese languages***



# Research & Innovation

**Ø Academics are publishing on average 100 papers annually in indexed journals .**

**ØPNGUoT's 27 Professors must align their research in consultation with industries**

**ØResearchers are now focused on problem-based research on local engineering science and technology projects**



# Professional Work Experience

***Ø It is an accreditation requirement that students are exposed to 450 hours of industry work experience.***

***Ø Industry has direct influence on learning to ensure that training is suitable for industry requirements.***

***Ø PNGUoT maintains a strong link with Industry***



# Acknowledgement



KUMUL PETROLEUM  
Holdings Limited



KUMUL MINERALS  
HOLDINGS LIMITED



TotalEnergies

PNG  
CORE



# Thank you very much

Drop an email if you have questions:

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