



**NPU-FEIAP B&R Engineering Education
Training Centre (NFTC)**

2nd Seminar 20th -22nd September 2020



**Importance of Mutual Recognition of
Engineering Personnel for Growth,
Employment and Networking.**

Presented by :

Ir. Dr. Tan Yean Chin

yctan@gnpgroup.com.my / tanyeanchin@gmail.com

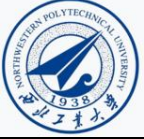
Secretary General –
Federation of Engineering Institutions of Asia and Pacific (FEIAP)



Past President - The Institution of Engineers, Malaysia (IEM)



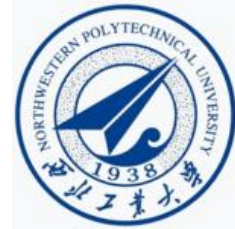
20th September 2020



NPU-FEIAP B&R Engineering Education Training Centre (NFTC)

Host & Secretariat of Centre :

西北工业大学

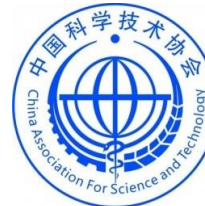


**Northwestern Polytechnical University, Xi'an,
Shaanxi Province, CHINA.**

西安

Supported by :

FEIAP &



China Association for Science and Technology (CAST)





Vision



Harmonisation & Standards

Allow mutual recognition of the Engineering Education Programs (Engineer, Engineering Technologist and Technician programs) among Economies in the B&R Initiative region and FEIAP



Facilitate and to promote

Mobility of the Engineers, Engineering Technologists and Technicians among the economies in B&R Initiative region and FEIAP



Train and Provide

Continuous professional development to increase the number of competent Engineers, Engineering Technologists and Technicians who will help the economies to develop into developed nations



Objectives

1 To have an Engineering Training Centre in Xian, China to achieve the vision set

2 To conduct *Engineering Education Accreditation Training*

3 Promote of *Mutual Recognition of Engineering Education Programs*

4 To promote students exchange program among the Universities

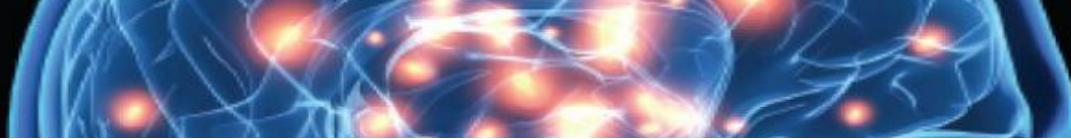
5 To promote the mobility of engineering personnel

6 To conduct *Professional Development courses for Infrastructure Dev. & Maintenance*

7 To promote the networking of the engineering personnel

8 To keep up to development of the world on the Engineering Education and Training

9 A platform for exchange of academics and engineering students



Planning of

“Africa, Asia and the Pacific Accord”

“Africa, Asia and the Pacific Accord” (AAP Accord) is a platform for mutual recognition of engineering workforce through accreditation system following “FEIAP Engineering Education Guidelines” or Equivalent (e.g. FAEO Guidelines) that covers :-

- **Engineers,**
 - **Engineering Technologists,**
 - **Engineering Technician.**
- } = “Engineering Personnel”

Participation is VOLUNTARY

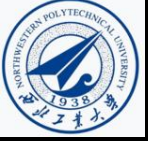


Objectives of AAP Accord :-

- 1) *To have a unified & inclusive engineering education accord that promotes mutual recognition of engineering education for engineers, engineering technologists and engineering technicians in Africa, Asia and the Pacific.*
- 2) *To facilitate the rationalization of the standards of engineering graduates for cross-economy employment.*
- 3) *To enable mobility of engineering workforce in Africa, Asia and the Pacific.*
- 4) *To promote understanding of civilization in these regions via cultivation of cultural intelligence in engineering education*

Note :

- 1) **Not intended** for Professional Engineer Independent Practice (e.g. APEC Engineers or IPEA International Engineers)
- 2) Meant only for MOBILITY of ENGINEERING PERSONNEL.



Long Term Project (2020 onwards)

Develop and promote

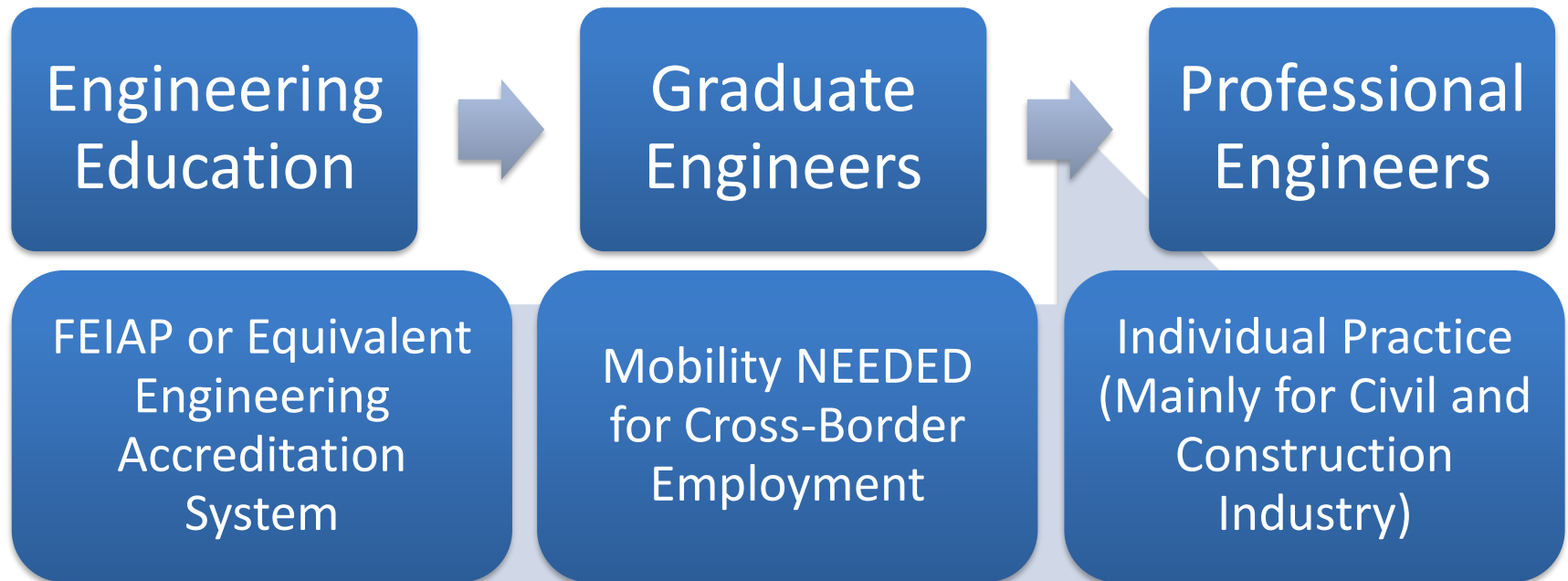
*“FEIAP Engineering Personnel
Register”*

for Mobility of Engineering Personnel among FEIAP
Members Economy and in B&R Initiative Region



APEC and IPEA Standard

- 1) *APEC and IPEA → Target Professional Engineers.*
- 2) *However we know, many Industries DO NOT NEED Professional Engineers.*



**APEC and IPEA
International
Engineers**

Proposed “FEIAP Engineering Personnel Register”

A platform for mutual recognition of engineering workforce (Graduates) that covers :-

- *FEIAP Engineers,*
 - *FEIAP Engineering Technologists,*
 - *FEIAP Engineering Technician.*
- Those who fulfilled the FEIAP Engineering Education Guidelines or Equivalent Standards (Stage II Full Compliance).
 - Open to all Engineering Personnel who qualify. → Help in Employment
 - *NOT intended* for Professional Engineers (no duplication with APEC and IPEA)
 - Free of Charge for all members of FEIAP Member Economies who qualify.
 - EASY to achieve target as No cost implication.



FEIAP Engineering Personnel Register

FEIAP
Engineering
Education



* FEIAP Engineers,
* FEIAP Engineering
Technologists,
* FEIAP Technicians

Fulfilled the
FEIAP Engineering Education
Guidelines or Equivalent
Engineering Accreditation
System recognized by FEIAP

- 1) Issued by the FEIAP Members that fulfilled the criteria for their own members.
- 2) Promote Engineering
- 3) Recognition of Engineering Standards
- 4) Mobility NEEDED for Cross-Border Employment

Registration and Listing

The Institution/Board/Organisation who are full member of FEIAP fulfilling the FEIAP Engineering Education Guidelines (for Engineers, Engineering Technology and Engineering Technician) can register their members as FEIAP Engineering Personnel :-

- ***FEIAP Engineers,***
- ***FEIAP Engineering Technologists,***
- ***FEIAP Engineering Technician.***

Note : it is recommended that the registration is free of charge (FOC) to promote FEIAP Engineering Personnel.

Administration :-

- FEIAP Engineering Education Standing Committee will review the fulfillment of the criteria and approved by the FEIAP Exco.
- The list of registered FEIAP Engineering Personnel shall be submitted to FEIAP Secretariat for Record

Allowed Abbreviation after his name

A registered FEIAP Engineering Personnel can used the following abbreviation after their name or in any way associate with his name :

*(1) FEIAP Engineers – to use “**FEIAP Eng.**”*

*(2) FEIAP Engineering Technologist – to use “**FEIAP Eng.Tech.**”*

(3) FEIAP Engineering Technician

*- to use “**FEIAP Eng.Technician.**”*

Example for Engineer & Engineering Technologists :

Abu Bakar FEIAP Eng.

Chen Yu Fang FEIAP Eng. Tech.



FEIAP Engineering Personnel Register

FEIAP
Engineering
Education

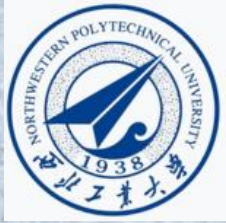


* FEIAP Engineers,
* FEIAP Engineering
Technologists,
* FEIAP Technicians

FEIAP or Equivalent
Engineering Accreditation
System

- 1) Promote Engineering
- 2) Recognition of Engineering Standards
- 2) Mobility NEEDED for Cross-Border Employment

Very Important and Most Widely NEEDED by most of the Developing Economies are Mobility of Engineers, Engineering Technologists and Engineering Technicians



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THANK YOU


FOR YOUR ATTENTION