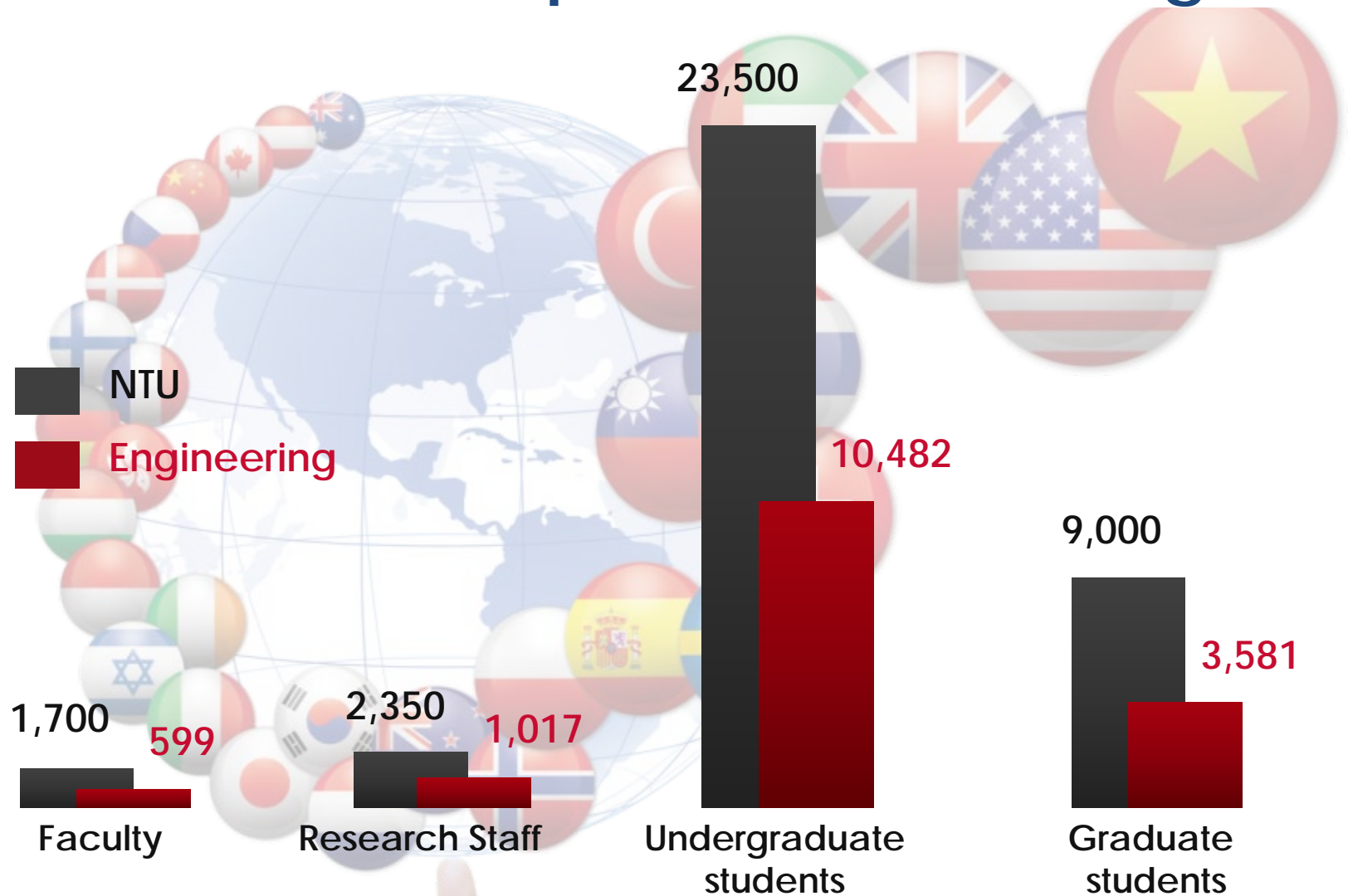


Global E3 Annual Meeting 2015

Concurrent Session 4: **Faculty and Education Abroad Professionals Partnering for Success – NTU Perspectives**

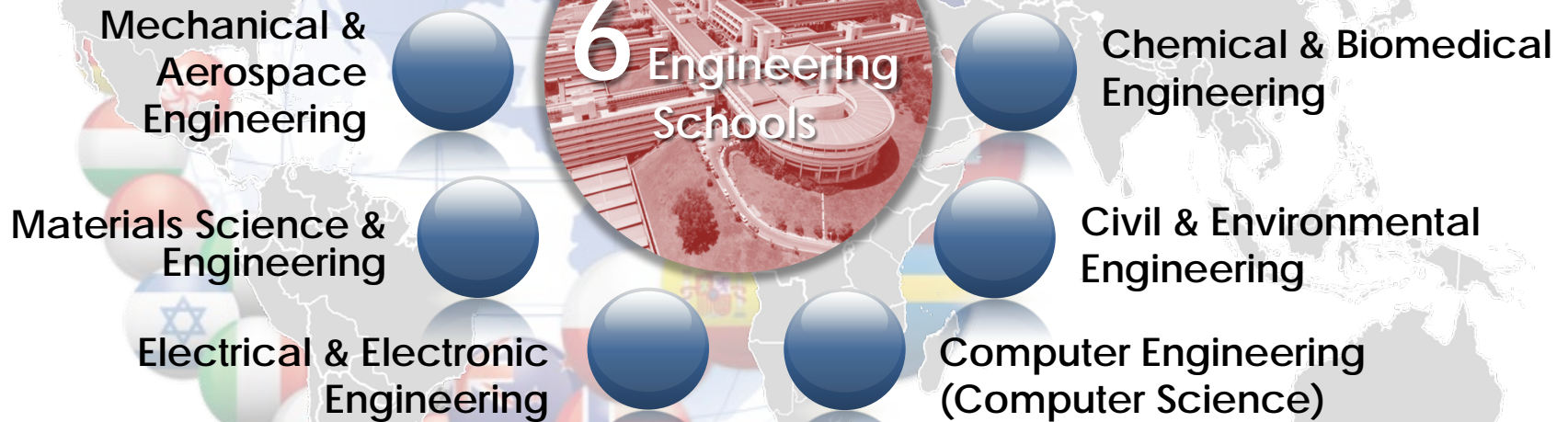


NTU Population Facts & Figures



College of Engineering (CoE)

One of the world's largest
engineering colleges



An NTU Student

**WELL-READ.
WELL-TRAVELLED.
WELL-ROUNDED.**
AND WELL-RECEIVED BY EMPLOYERS.

YOUNGEST
FASTEST
RISING
UNIVERSITY

IN THE WORLD'S
TOP 50

www.ntu.edu.sg/admissions

AMPLIFYING DIVERSITY

Henryk Abucewicz Tan
School of Humanities and
Social Sciences

Shona Woo
School of Physical and
Mathematical Sciences



NTU Education Engineering Curriculum Broadening

1. Student-Centric Programme

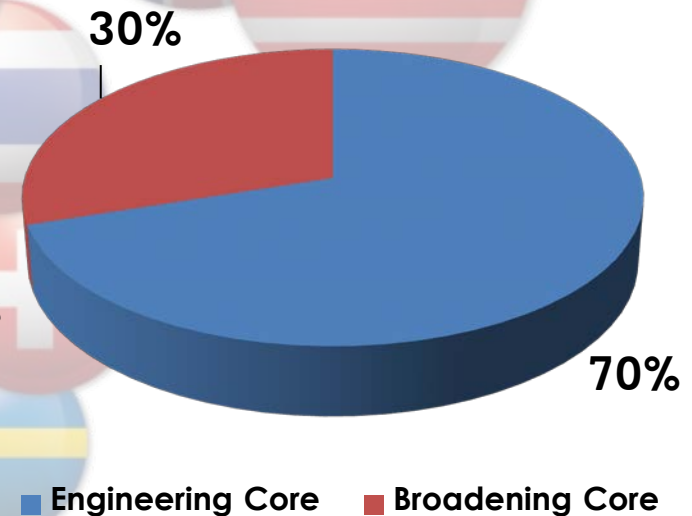
- balanced depth and breadth of knowledge
- peer-based interactive learning in small groups
- use of new technologies in line with new pedagogies

2. Revamped General Education Requirements

- multidisciplinary and interdisciplinary courses in business management, arts, humanities and social sciences
- free electives and opportunity to minor

3. Broaden and Deepen the Educational Experience

- reduced curriculum load for self-directed, interdisciplinary and residential learning
- more holistic and dynamic education
- **flexibility and more leeway for overseas exchange!**



CoE Students: Spoilt for Choice

NTU Global Programmes



- ✓ Course Matching
- ✓ Credit Transfer
- ✓ Graduation Requirements



Short-term programmes between 2 to 20 weeks that place students overseas for work and/or study.



A full semester of study/research in an overseas partner university while exploring a new country or culture.

Overseas Attachment Programmes

Unique learning experience of gaining real-life overseas working experience.

NTU GEM Programmes: Wide Range of Choices

GEM Discoverer (Overseas Exposure Programmes)

- Worldwide Summer School
- Prelude
- Language Immersion Programme (LIP)
- Work & Study



GEM Trailblazer Summer (Inbound Exposure 4 tracks)

- Chinese Language & Cultural Studies
- Entrepreneurship & Innovation Asia
- Creative Design & Media
- Global Skills



GEM Explorer (Overseas Attachment Programmes)

- Study Exchange
- Research Exchange
- Study Scholarship Programme to Georgia Tech etc.



GEM Trailblazer Exchange (Incoming Attachment)

- Study
- Research
- Work
- TF LEaRN Programme

NTU Total Outbound and Inbound Student Mobility by Programmes AY10/11 to AY14/15

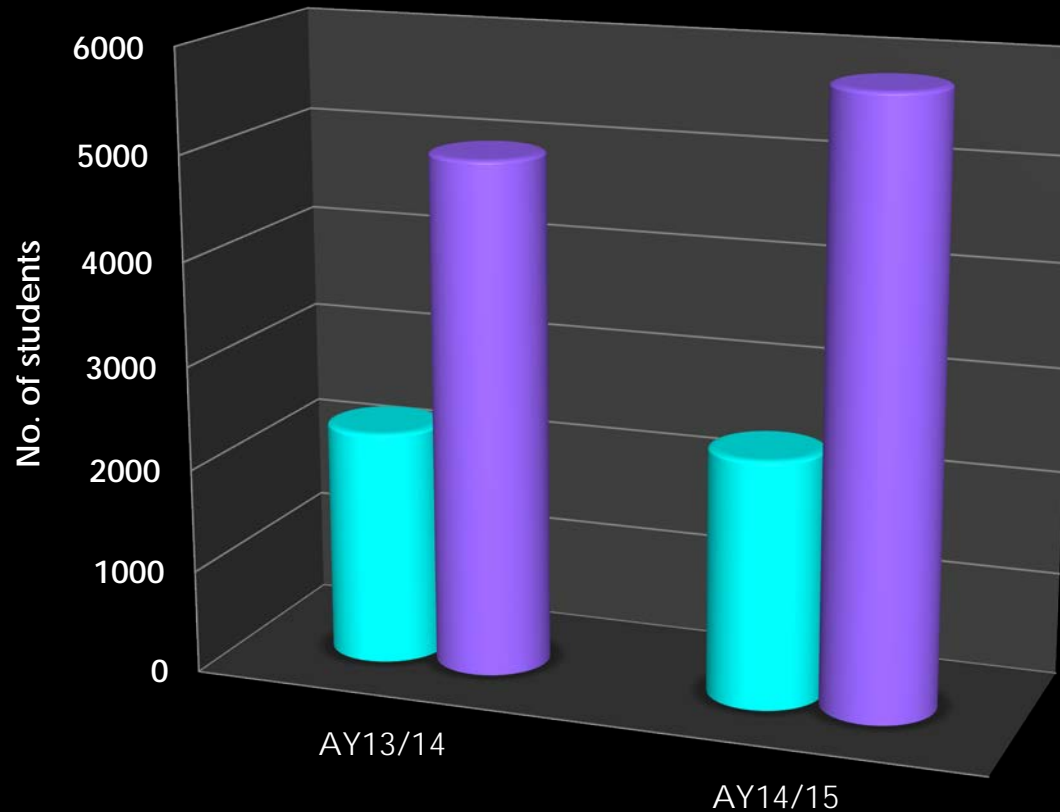
No of students



	AY10/11	AY11/12	AY12/13	AY13/14	AY14/15*
GEM Explorer	979	1169	1457	1622	1956
GEM Discoverer	1132	1289	1202	1294	1537
CAO (OA and OE)	87	88	89	30	78
SAO (OE)	1450	1851	1927	1777	2000
School Short Term Programmes	94	109	318	250	250
GEM Trailblazer	996	1079	1337	1573	1834
Total Outbound:	<u>3,742</u>	<u>4,506</u>	<u>4,993</u>	<u>4,973</u>	<u>5,821</u>
Total Inbound:	<u>996</u>	<u>1,079</u>	<u>1,337</u>	<u>1,573</u>	<u>1,834</u>

Total Student Mobility: NTU vs for CoE

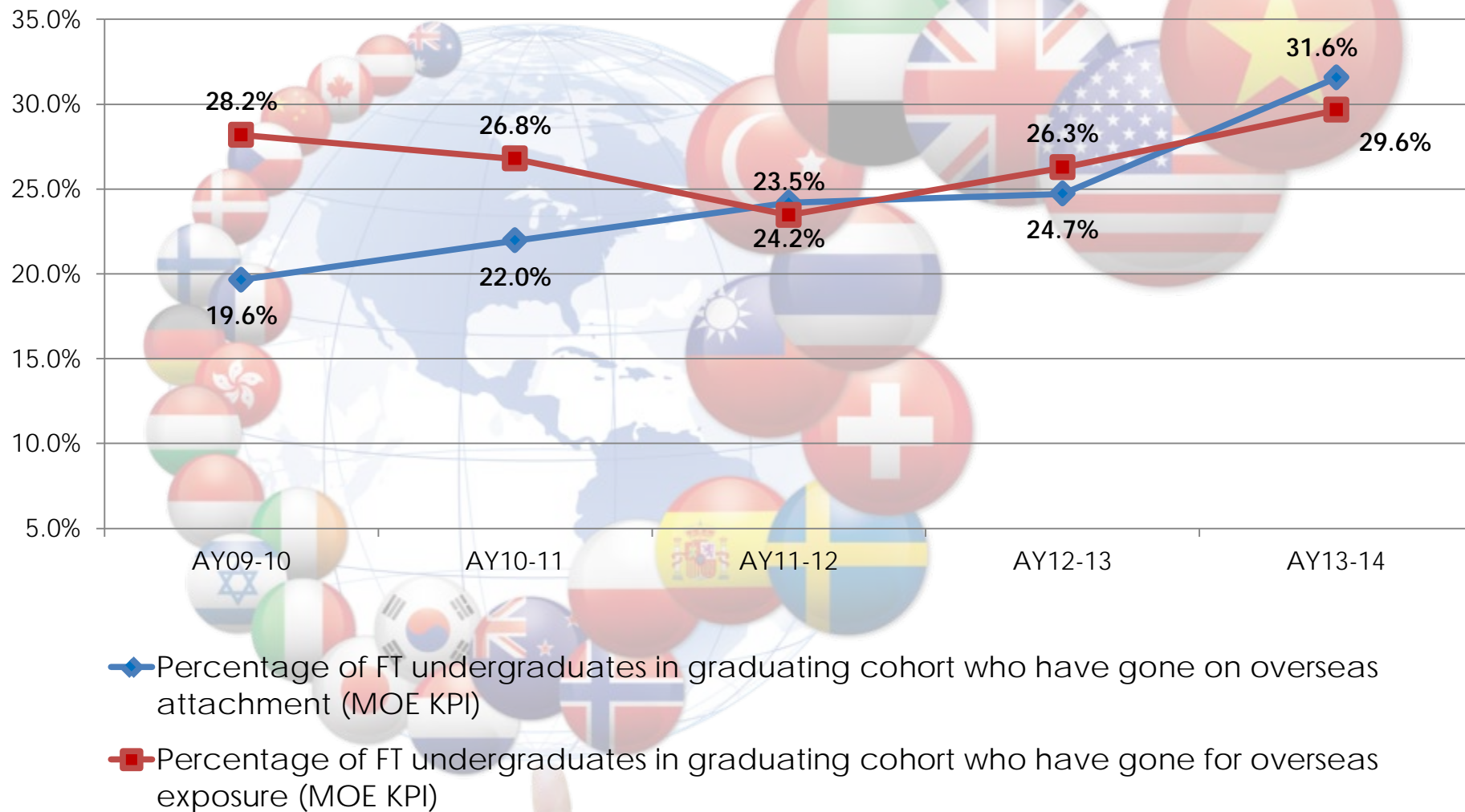
AY13/14 & AY14/15



	AY13/14	AY14/15
COE	2276	2395
Total	4973	5821

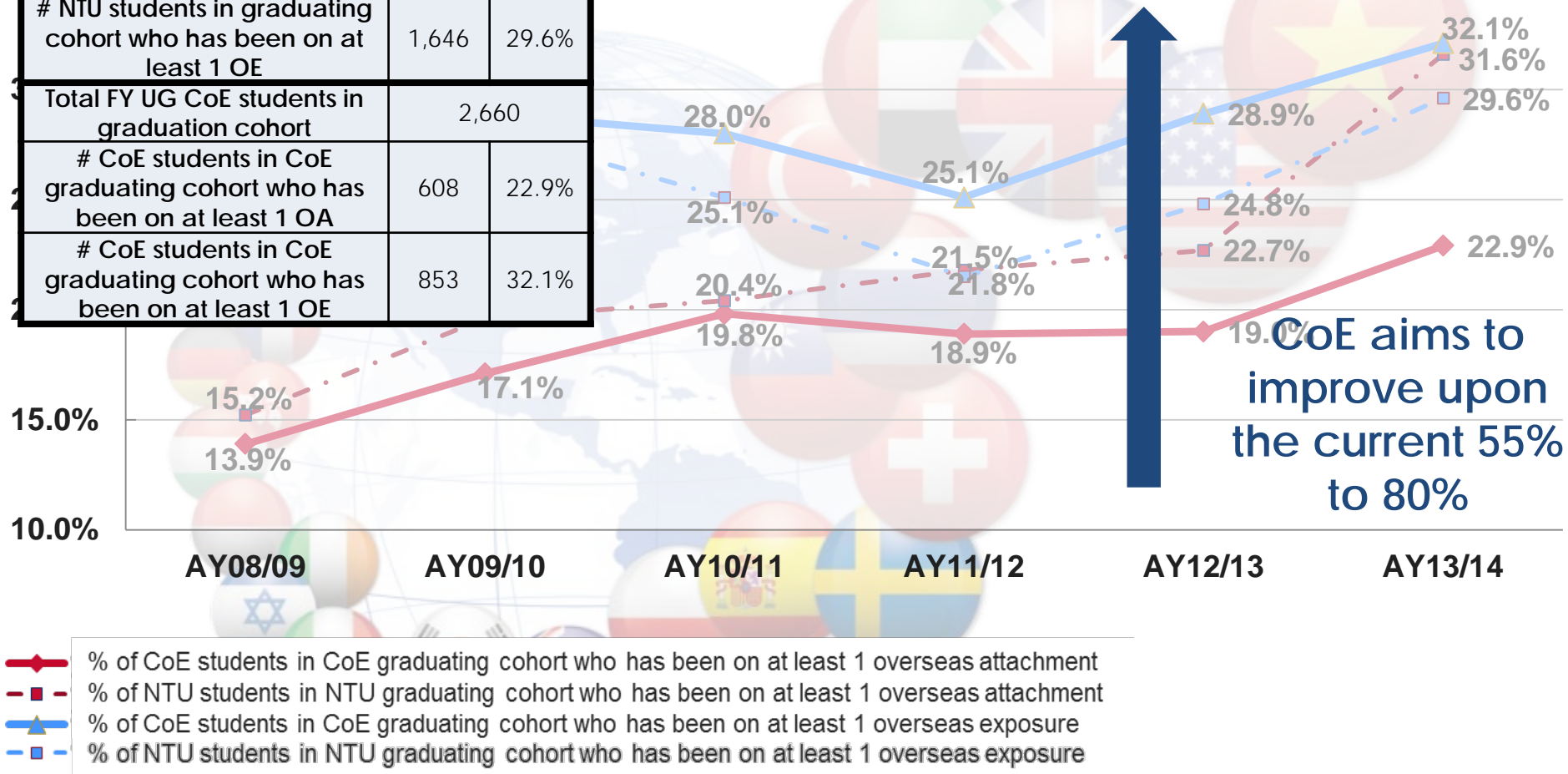
Overall NTU Student Mobility

AY08/09 - AY13/14



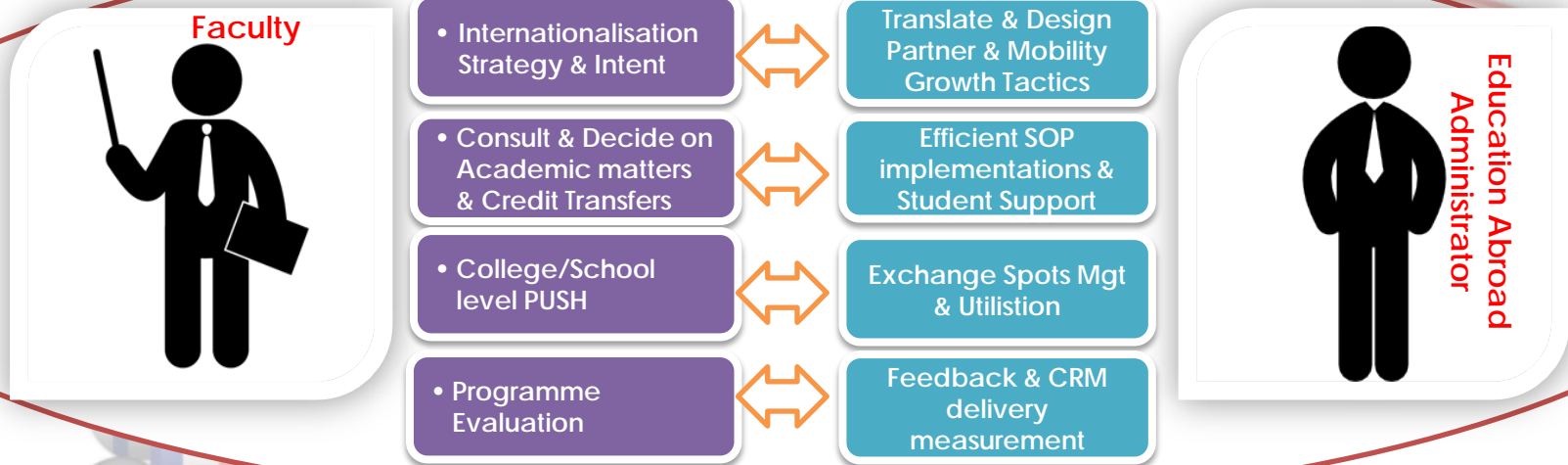
	AY13/14	
Total FY UG NTU students in graduating cohort	5,552	
# NTU students in graduating cohort who has been on at least 1 OA	1,752	31.6%
# NTU students in graduating cohort who has been on at least 1 OE	1,646	29.6%
Total FY UG CoE students in graduation cohort	2,660	
# CoE students in CoE graduating cohort who has been on at least 1 OA	608	22.9%
# CoE students in CoE graduating cohort who has been on at least 1 OE	853	32.1%

Student Mobility AY08/09 - AY13/14



Overseas Attachment: Semester-long programmes (e.g. study exchange, work/research attachments etc)
 Overseas Exposure: Short-term programmes (e.g. summer studies, 2-week study trips etc)

GEM Explorer: Exchange Programme



GEM Discoverer: Prelude Programme



GEM Trailblazer Summer



Chinese Language & Cultural Studies

6AUs/course



Entrepreneurship & Innovative Asia (4 courses)

3AUs/course



Creative Design and Media (7 courses)

3AUs/course



Success in the Globalised Marketplace (7 courses)

3AUs/course

Faculty



- Initiate Programme launch
- Set programme policies; pricing/Funding etc.
- Consult on the Pedagogy & Acad Curricular
- Evaluate Programme Performance

- Proposed Summer Programme Acad Tracks & Business Model
- Work with Schools to build the various tracks
- Set up operations workflow & Student Support Flow
- Partnership Management

Education Abroad Staff



QUESTIONS?



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www.marktoon.co.uk

Renaissance Engineering Programme

- **Educating CEOs & CTOs of tomorrow**
- Elite engineering programme for the most talented students
- New paradigm in engineering education through combining engineering management & business
- Students spend one year at a partner university and take up their internship overseas. REP students can choose from two world-class universities:
 - University of California, Berkeley, OR
 - Imperial College London
- **Extremely popular programme in Singapore for Top-2% students**



Renaissance Engineering Programme

Faculty



- Set the REP Programme targets, policies, admission, selection, partnership decisions etc.
- Design the Pedagogy & Acad Curricular
- Evaluate Programme Performance

- Set up programme infrastructure & operations workflow: recruitment, admission, student services & follow-up, incident mgt etc.
- Collate all needed info for faculty review
- Liaise with partners on immersion

Education Abroad Staff



Experiential
-based
Pedagogy

Industrial
Orientation

Global
Experience



Residential
Education