



RMUTT

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RMUTT

Executive Summary

Report 2020

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RMUTT History



The History of Rajamangala University of Technology Thanyaburi

It is the immeasurable royal grace of His Majesty the King to vocational students that on 15 September 1988, His Majesty bestowed the name

“**Rajamangala Institute of Technology,**” meaning “**the technological institute of the royal grace.**” This implies that the Rajamangala community including the university staff and students regards it as the royal grace of HM the King. From then on, Rajamangala Institute of Technology has been highly recognized as educational institution having a commitment on producing “**hands-on graduates**” to serve the society. Consequently,



Since then, 15 September has joyfully been marked as “**Rajamangala Day**” in honor of His Majesty the King’s kindness to all RIT staff and students.

Education values in Thai society are very different now to how they were in the past. Previously, vocational and technical education was seen as less important than the more traditional higher education paths. Vocational graduates were restricted to only receiving diplomas, and were not afforded the same level of status in Thai society as

bachelor degree holders. This led to widespread discontentment among vocational students in various institutes, culminating in groups of vocational students protesting outside the Ministry of Education on 9 January 1974. They called for their institutes to be permitted to bestow bachelor degrees. The MOE consented, and the status of vocational and technical education in Thailand began to change for the better.

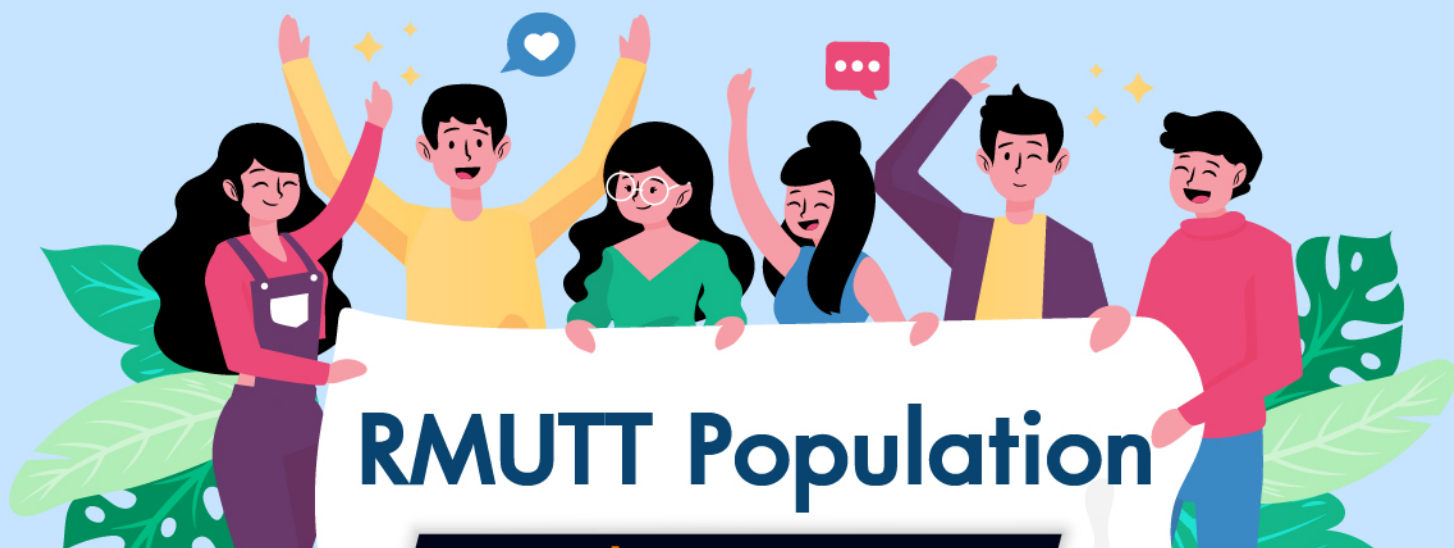
On 18 January, 2005, RIT was renamed as **Rajamangala University of Technology** and Science and restructured into nine universities as follows.

- Rajamangala University of Technology Thanyaburi (RMUTT)
- Rajamangala University of Technology Bangkok (RMUTK)
- Rajamangala University of Technology Tawan-Ok (RMUTTO)
- Rajamangala University of Technology Phra Nakhon (RMUTP)
- Rajamangala University of Technology Rattanakosin (RMUTR)
- Rajamangala University of Technology Lanna (RMUTL)
- Rajamangala University of Technology Srivijaya (RMUTSV)



The Official Sculpture of Rajamangala University of Technology Thanyaburi

Engraved on the lotus-shaped bronze sculpture and stone, it states that Her Royal Highness Princess Maha Chakri Sirindhorn presided over the ceremony of laying the foundation stone and planting a Heaven Lotus tree on 7 June 1988. The Heaven Lotus tree is lovingly taken care of by RMUTT's staff and students so that it can continue to grow and thrive, just as RMUTT does



RMUTT Population

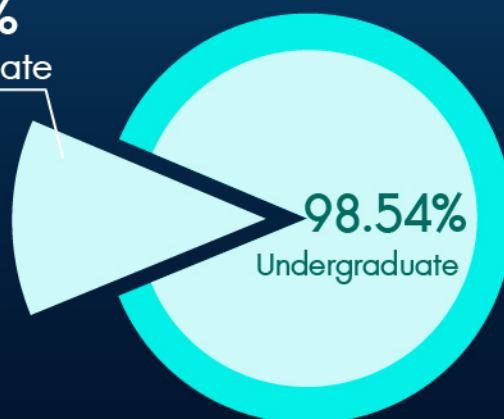
Students

//// 21,373 (FTE)

1.04%
International



1.46%
Postgraduate



Academic Staff

//// 1,065 (FTE)

1.13%
International



Faculty of Technical Education	10.57%
Faculty of Agricultural Technology	4.91%
Faculty of Home Economics Technology	5.41%
Faculty of Mass Communication Technology	4.33%
Faculty of Business Administration	11.49%
Faculty of Science and Technology	10.82%
Faculty of Engineering	17.90%
Faculty of Fine and Applied Arts	7.49%
Faculty of Architecture	6.99%
Faculty of Liberal Arts	10.41%
Thai Traditional Medicine College	5.83%
Faculty of Nursing	3.83%

Faculty attended
Development Program

72.63%

Faculty
(Student Ratio)

1 : 20

Faculty Teaching
(office hours)

22 : 18

Student satisfaction

Overall

Overall student
satisfaction survey
(Out of 5)

3.82

Student satisfaction
with teaching
(Out of 5)

4.30

Employment Rate 90.01% (96% response rate)

Bachelor	Overall student satisfaction survey (Out of 5)	Student satisfaction with teaching (Out of 5)
Faculty of Technical Education		
Bachelor of Science in Technical Education (Computer Engineering Education)	3.60	4.49
Bachelor of Science in Technical Education (Mechanical Engineering Education)	3.83	4.39
Bachelor of Science in Technical Education (Electrical Engineering Education)	3.99	4.53
Bachelor of Science in Technical Education (Civil Engineering Education)	3.83	4.52
Bachelor of Science in Technical Education (Electronics and Automation Systems Engineering Education)	3.69	4.45
Bachelor of Science in Technical Education (Industrial Engineering Education)	3.90	4.65
Bachelor of Science in Technical Education (Computer Education)	3.60	4.42
Bachelor of Education (Production Technology)	3.90	4.61
Bachelor of Education (Digital Technology for Education)	3.91	4.72
Bachelor of Education (Educational Technology and Communication)	3.69	4.59
Bachelor of Education (Educational Information Technology)	3.85	4.61
Bachelor of Engineering (Mechatronics Engineering)	3.85	4.53
Faculty of Agricultural Technology		
Bachelor of Science (Crop Production)	3.85	4.36
Bachelor of Science (Landscape Technology)	3.84	4.21
Bachelor of Science (Fisheries)	3.75	4.20
Bachelor of Science (Food Science and Technology)	3.83	4.15
Bachelor of Science (Animal Health Science)	3.50	4.16
Bachelor of Science (Animal Science)	3.77	4.27
Faculty of Home Economics Technology		
Bachelor of Education (Early Childhood Education)	3.89	4.37
Bachelor of Home Economics (Fashion Design and Clothing Innovation)	3.68	4.08
Bachelor of Home Economics (Creative Arts in Home Economic Work)	3.83	4.29
Bachelor of Home Economics (Food and Nutrition)	3.81	4.29
Bachelor of Home Economics (Food Service Industry)	3.87	4.35
Faculty of Mass Communication Technology		
Bachelor of Technology (Advertising and Public Relations Technology)	3.70	4.22
Bachelor of Technology (Photography and Cinematography Technology)	3.64	4.21
Bachelor of Technology (Radio and Television Broadcasting Technology)	3.70	4.09
Bachelor of Technology (Digital Printing and Packaging Technology)	3.56	4.22
Bachelor of Technology (Multimedia Technology)	3.57	4.19
Bachelor of Technology (Digital Media Technology)	3.62	4.15

Bachelor	Overall student satisfaction survey (Out of 5)	Student satisfaction with teaching (Out of 5)
Faculty of Business Administration		
Bachelor of Accountancy	3.77	4.26
Business Administration-International Business Administration (International Program)	3.83	4.09
Business Administration-Logistics and Supply Chain Management (International Program)	4.00	4.40
Business English (International Program)	3.72	4.25
International Business Administration (International Program)	3.72	4.09
Marketing (International Program)	3.62	4.02
Bachelor of Business Administration (Finance)	3.87	4.26
Bachelor of Business Administration (Management)	3.85	4.24
Bachelor of Business Administration (Logistics and Supply Chain Management)	3.81	4.15
Bachelor of Business Administration (Marketing)	3.90	4.41
Bachelor of Business Administration (International Business Administration)	3.72	4.24
Bachelor of Business Administration (Business Computer)	3.83	4.29
Bachelor of Economics	3.81	4.04
Faculty of Nursing		
Bachelor of Nursing Science	3.96	4.51
Thai Traditional Medicine College		
Bachelor of Applied Thai Traditional Medicine	3.80	4.36
Bachelor of Science (Innovation of Health Products)	4.03	4.40
Bachelor of Science (Aesthetic Health and Spa)	4.81	4.67
Bachelor of Science (Health and Aesthetic)	3.83	4.33
Faculty of Science and Technology		
Bachelor of Science (Mathematics)	3.73	4.31
Bachelor of Science (Chemistry)	3.89	4.37
Bachelor of Science (Applied Biology)	3.90	4.27
Bachelor of Science (Information Technology)	3.72	4.23
Bachelor of Science (Applied Physics)	4.06	4.41
Bachelor of Science (Computer Science)	3.71	4.14
Bachelor of Science (Applied Statistics)	3.79	4.40
Faculty of Engineering		
Engineering	3.78	4.21
Bachelor of Engineering (Computer Engineering)	3.83	4.25
Bachelor of Engineering (Chemical Engineering)	3.83	4.35
Bachelor of Engineering (Textile Engineering)	3.70	4.19
Bachelor of Engineering (Textile Chemistry and Fiber Engineering)	3.92	4.44
Bachelor of Engineering (Mechanical Engineering)	3.88	4.34
Bachelor of Engineering (Agricultural Machinery Engineering)	4.29	4.64
Bachelor of Engineering (Irrigation Engineering and Water Management)	4.04	4.42
Bachelor of Engineering (Electrical Engineering)	3.91	4.37
Bachelor of Engineering (Civil Engineering)	3.89	4.24
Bachelor of Engineering (Materials Engineering)	4.22	4.40
Bachelor of Engineering (Textile Innovation Engineering)	3.79	4.24
Bachelor of Engineering (Environmental Engineering)	3.84	4.22
Bachelor of Engineering (Food Engineering)	3.85	4.25
Bachelor of Engineering (Electronics and Telecommunication Engineering)	3.63	4.17
Bachelor of Engineering (Avionics Engineering)	3.91	4.26
Bachelor of Engineering (Industrial Engineering)	4.21	4.36
Faculty of Fine and Applied Arts		
Bachelor of Education (Thai Classical Music and Vocal Education)	3.85	4.34
Bachelor of Education (Western Music and Vocal Education)	3.93	4.46
Bachelor of Education (Thai Classical Dance Education)	3.67	4.37
Bachelor of Fine Arts (Painting)	3.58	4.24
Bachelor of Fine Arts (Innovative Contemporary Product Design)	3.57	4.01
Bachelor of Fine Arts (Thai Arts)	3.86	4.31
Bachelor of Fine Arts (Graphic Arts)	3.78	4.40
Bachelor of Fine Arts (Visual Communication Design)	3.70	4.09
Bachelor of Fine Arts (Product Design)	3.76	4.14
Bachelor of Fine Arts (Interior Design)	3.61	4.07
Faculty of Liberal Arts		
Bachelor of Arts (Hotel Management)	3.77	4.25
Bachelor of Arts (Tourism)	3.77	4.43
Bachelor of Arts (English for Communication)	3.73	4.25
Bachelor of Arts (Aviation Service Industry)	3.80	4.12
Faculty of Architecture		
Bachelor of Architecture (Architecture)	4.43	3.98
Bachelor of Architecture (Interior Architecture)	3.48	4.01

Research Performance

Scopus®

Publications (Scopus)

530

Publications
(2014 - 2019)



Publication with International Partners

175

Papers

(2014 - 2019)

21

Countries



Publications with the Industry

120

Papers

(2014 - 2019)

41

Organisations



Active

Patents

129

Patents



Spin off Companies

4

Companies



Incubation Center

1

Center

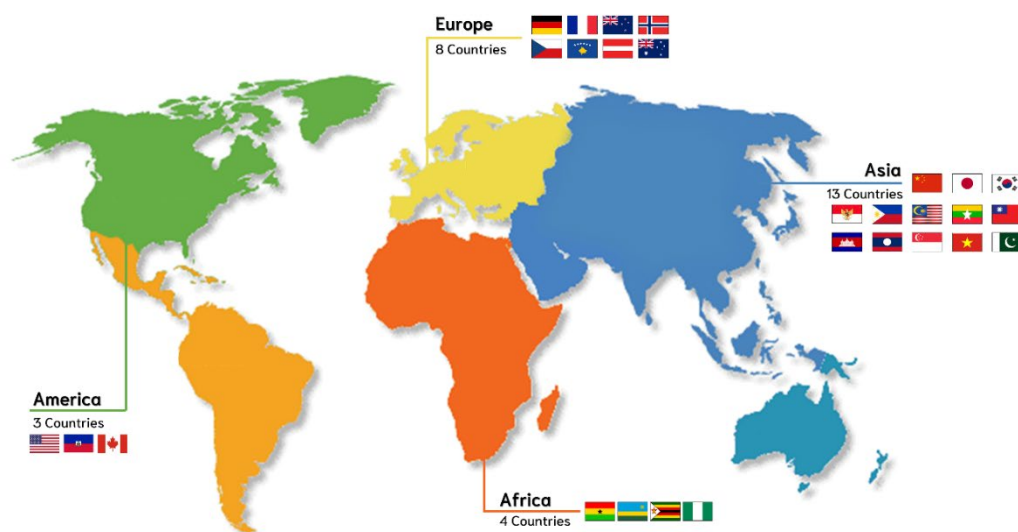


Research Investment

608,005,149.15

THB.

Internationalisation



Student Voices



Ms. Thida LUN
(Hotel Management)

I have got a new and best opportunity to study more about the society and culture, thanks to RMUTT!



Ms. ChanPhearum PEOU(Grace)
(Tourism, Faculty of Liberal Arts)

RMUTT is not only an efficient university but also a place that give me a lot of precious opportunities such as competition, internship. This has provided me a great chance to challenge myself in a hard working environment for my future credit for my post-academic year.



Marian Adrienne Nicole Mallillin
(International Business Administration)

I have got a new and best opportunity to study more about the society and culture, thanks to RMUTT!

Undergraduate Programmes

Faculty of Agricultural Technology (AT)

Duration : 4 years

Major

1. Agricultural Machinery Engineering
2. Animal Science
3. Fisheries
4. Food Science and Technology
5. Landscape Technology

Faculty of Business Administration (BA)

Duration : 4 years

Major

1. Accountancy
2. Business Computer
3. Business English (International Program)

Faculty of Mass Communication Technology (MT)

Duration : 4 years

Major

1. Advertising and Public Relations Technology
2. Digital Media Technology
3. Digital Printing and Packaging Technology
4. Multimedia Technology
5. Photography and Cinematography Technology
6. Radio and Television Broadcasting Technology

Faculty of Architecture (AR)

Duration : 4 years

Major

1. Architecture
2. Interior Architecture
(Duration : 5 years)

Faculty of Home Economics Technology (HT)

Duration : 4 years

Major

1. Early Childhood Education
2. Fashion Design and Clothing
3. Food and Nutrition
4. Food Service Industry

Faculty of Liberal Arts (LA)

Duration : 4 years

Major

1. Aviation Service Industry
2. English for Communication
3. Hotel Management
4. Tourism

Faculty of Nurse

Duration : 4 years

Major

1. Nursing

Faculty of Engineering (EN)

Duration : 4 years

Major

1. Avionic Engineering
2. Chemical Engineering
3. Civil Engineering
4. Computer Engineering
5. Electrical Engineering
6. Electronics and
Telecommunication Engineering
7. Environmental Engineering
8. Food Engineering Management
9. Industrial Engineering
10. Irrigation Engineering and Water
Management
11. Materials Engineering
12. Mechanical Engineering
13. Railway System Engineering
(Continuing Program)
14. Textile Chemistry and Fiber
Engineering
15. Textile Engineering

Faculty of Fine and Applied Arts (FA)

Duration : 4 years

Major

1. Graphic Arts
2. Innovative Contemporary Product
Design
3. Interior Design
4. Music
5. Painting
6. Product Design
7. Sculpture
8. Thai Arts
9. Thai Classical Dance Education
10. Thai Classical Music and Vocal
Education

Thai Traditional Medicine College (TC)

Duration : 4 years

Major

1. Health and Aesthetics Innovation
of Health Products

Faculty of Science and Technology (ST)

Duration : 4 years

Major

1. Applied Biology
2. Applied Physics
3. Applied Statistics
4. Chemistry
5. Educational Information Technology
6. Mathematics

Faculty of Technical Education (TE)

Duration : 5 years

Major

1. Civil Engineering
2. Computer Education
3. Computer Engineering
4. Educational Information Technology
5. Educational Technology and Communications
6. Electrical Engineering

Masters Programmes

Faculty of Business Administration (BA)

Duration : 2 years

Major

Business Administration
(Young MBA) – Thai

Faculty of Science and Technology (ST)

Duration : 2 years

Major

1. Master of Science Program in Applied Chemistry
- Master of Science Program in Data and Information Science

Faculty of Technical Education (TE)

Duration : 2 years

Major

Curriculum Development and Instructional Innovation (M.Ed.) – Thai

Faculty of Engineering (EN)

Duration : 2 years

Major

1. Chemical Engineering (M.Eng.) – Thai/Eng
2. Electrical Engineering (M.Eng.)
3. Industrial and Manufacturing Engineering - Thai/Eng
Master of Engineering in Materials Engineering (M.Eng.)
4. Master of Engineering Program in Mechatronics Engineering (M.Eng.)

Doctorate Programmes

Faculty of Engineering (EN)

Duration : 2 years

Major

1. Doctor of Engineering (Electrical Engineering)
2. Doctor of Philosophy (Engineering) (Ph.D.)
3. Doctor of Engineering in Energy and Materials Engineering (Ph.D.)
4. Doctor of Philosophy (Engineering) - Industrial and Manufacturing Engineering

Faculty of Science and Technology (ST)

Duration : 2 years

Major

1. Doctor of Philosophy (Engineering) - Industrial and Manufacturing Engineering

Faculty of Technical Education (TE)

Duration : 2 years

Major

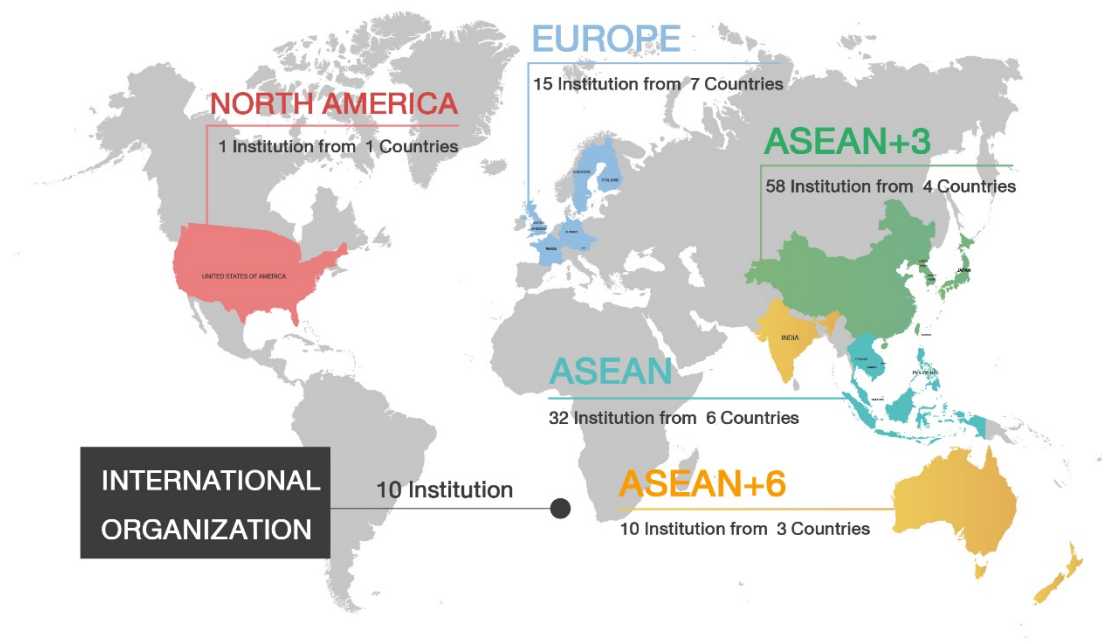
1. Doctoral of Engineering Program in Mechatronics Engineering (D.Eng.)

Partners 2020

Rajamangala University of Technology Thanyaburi has international cooperation with universities and institutions globally, such Memorandum of Understanding (MOU) and Memorandum of Agreement (MOA) are as follow

INTERNATIONAL COLLABORATION

RAJAMANGALA UNIVERSITY OF TECHNOLOGY THANYABURI



ASEAN

32 Institution from 6 Countries

- Cambodia 3 Institution
- Indonesia 16 Institution
- Malaysia 1 Institution
- Philippines 12 Institution
- Singapore 3 Institution
- Vietnam 1 Institution

ASEAN+3

58 Institution from 4 Countries

- P.R. China 30 Institution
- Taiwan 13 Institution
- Japan 11 Institution
- South Korea 4 Institution

ASEAN+6

10 Institution from 3 Countries

- Australia 1 Institution
- India 4 Institution
- New Zealand 5 Institution

EUROPE

36 Institution from 8 Countries

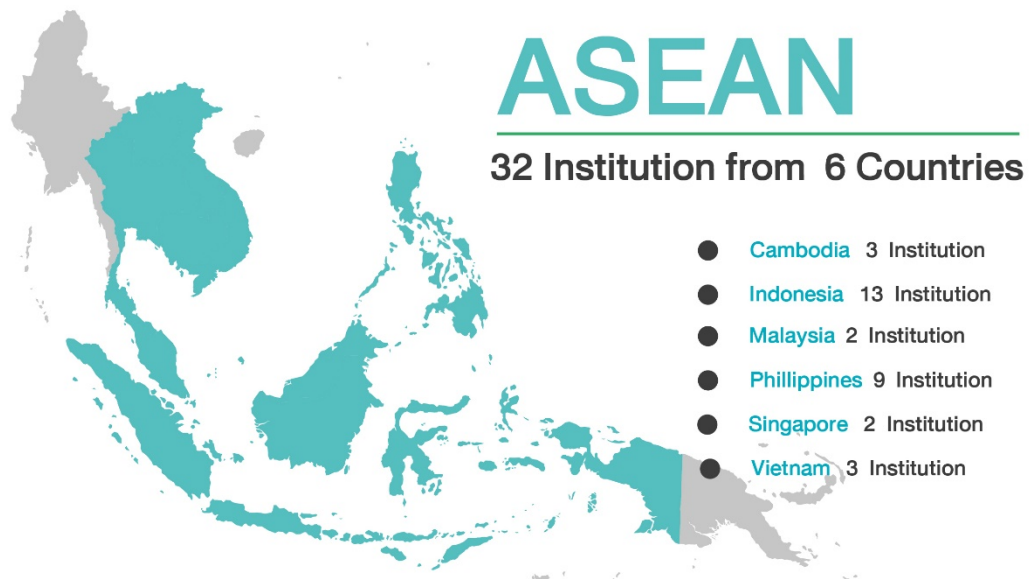
- Maldives 1 Institution
- Austria 2 Institution
- Czech Republic 1 Institution
- Denmark 1 Institution
- Germany 4 Institution
- Netherlands 1 Institution
- United Kingdom 2 Institution

NORTH AMERICA

- United States Of America 3 Institution

INTERNATIONAL ORGANIZATION

8 Institution



Cambodia

1. Mean Chey University
2. National Polytechnic Institute of Cambodia (NPIC)
3. National Technical Training Institute (NTTI)

Indonesia

1. Dian Nuswantoro University (UDINUS)
2. Mandala Economics College
3. State Polytecnic of Jember Ministry of Research, Technology and Higher Education (POLIJE)
4. Universitas Islam Indonesia (UII)
5. University of Bhayangkara
6. Yogyakarta State University (YSU)
7. University of Merdeka Malang
8. Universitas Pembangunan Nasional "VETERAN" Yogyakarta, Indonesia
9. Institut Teknologi Sepuluh Nopember
10. Bogor Agricultural University
11. Universitas Bhayangkara Jakarta Raya
12. Universitas Pendidikan Indonesia
13. University of Islam Malang

Malaysia

1. Universiti Teknologi Malaysia
2. Universiti Sultan Zainal Abidin

Philippines

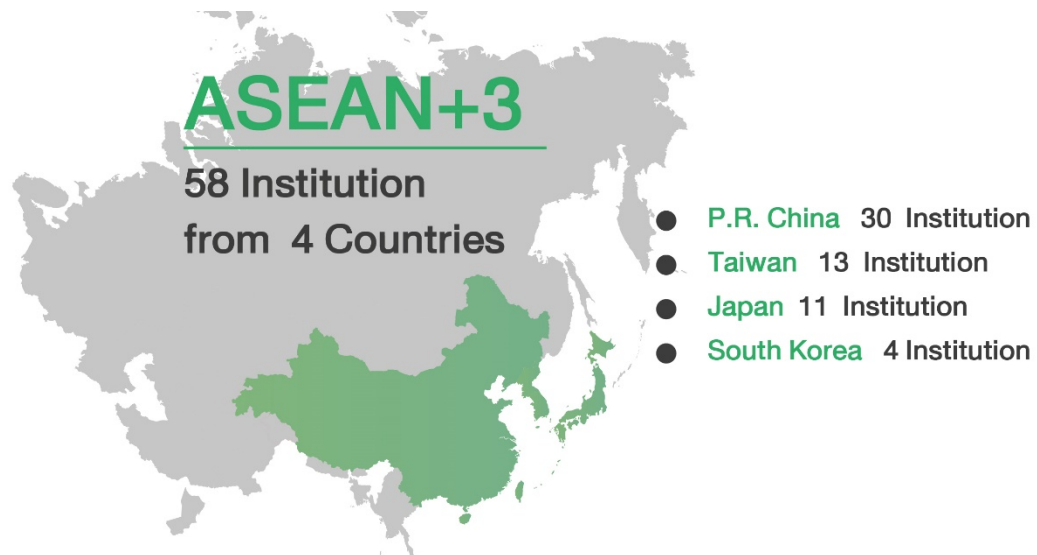
1. Central Luzon State University
2. University of Perpetual Help
3. Isabela State University
4. Bulacan State University
5. Batangas State University
6. Philippine Christian University
7. Camarines Sur Polytechnic Colleges
8. University of Science and Technology of Southern Philippines
9. Iloilo College of Fisheries

Singapore

1. Nanyang Polytechnic International
2. Singapore Polytechnic

Vietnam

1. Hong Duc University
2. The Faculty of Architecture and Planning, National University of Civil Engineering Vietnam
3. Van Lang University



P.R. China

1. Beijing Jiaotong University
2. Guangxi Vocational & Technical Institute of Industry
3. Shandong University of Science and Technology
4. Zunyi Vocational and Technical College

5. Haikou College of Economics
6. Hainan Normal University of China
7. Hainan Tropical Ocean University
8. Sanya University
9. Southwest University of Science and Technology
10. Jiangsu College of Technology and Engineering
11. Nanjing University of Aeronautics and Astronautics
12. Wuhan University
13. Beijing Institute of Technology
14. Yunnan Herbal Laboratory, Yunnan University
15. University of Electronic Science and Technology of China
16. Zhejiang Chinese Medical University
17. Chongqing university of posts and telecommunications, p.r. china
18. Civil Aviation University of China
19. Heilongjiang University of Chinese Medicine
20. International College, Southwest University
21. Liaoning Railway Vocational and Technology College China
22. Liuzhou Railway Technical and Vocational College
23. Long Yan University
24. Shandong Polytechnic
25. SIAS International University
26. Southwest Jiaotong University
27. Tianjin Academy of Agricultural Sciences
28. Tianjin Agricultural University
29. Tianjin Railway Technical and Vocational College
30. Wuhan Zhendan Law and Business Training Institute

Taiwan

1. National Pingtung University of Science and Technology
2. National Taiwan Normal University
3. National Kaohsiung First University of Science and Technology
4. Fugen Catholic University
5. Lunghwa University of Science and Technology
6. National Taipei University of Technology

7. National Sun Yat-Sen University
8. National Pingtung University
9. Asia University
10. I-Shou University
11. Southern Taiwan University of Science and Technology
12. Huafan University, Taiwan,R.O.C
13. สถาบันพัฒนาและวิจัยเพื่ออุตสาหกรรมอาหาร ประเทศไทยไต้หวัน

Japan

1. Chiba University
2. Hokkaido University
3. Hokkaido Information University
4. Kyoto University
5. Kobe University
6. National Institute of Technology, Kagawa College
7. Nagaoka University of Technology
8. Yamagata University
9. Iwate University
10. Osaka City University
11. School of Engineering, Utsunomiya University

South Korea

1. INJE University
2. Kangwon National University Korea
3. Kwangwoon University
4. Yonsei University

ASEAN+6

10 Institution from 3 Countries

- **Australia** 1 Institution
- **India** 4 Institution
- **New Zealand** 5 Institution



Australia

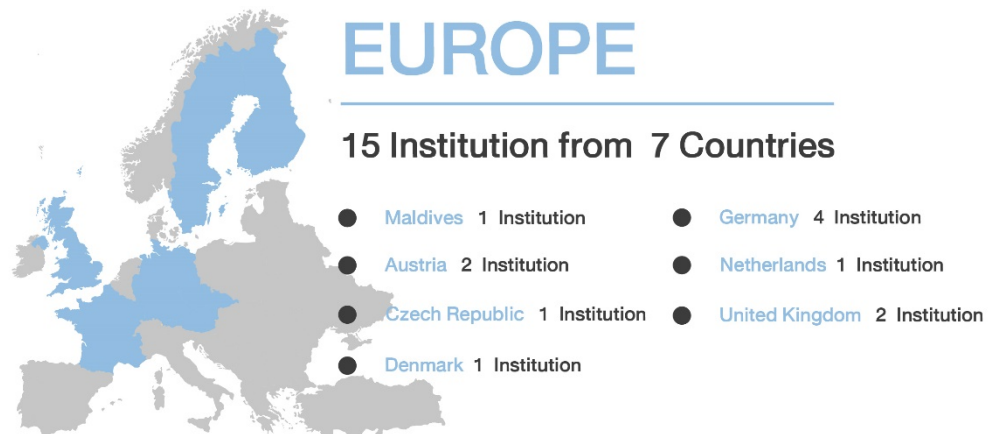
1. Institute Of Continuing & Tesol Education, The University Of Queensland

India

1. CHIKITSAK SAMUHA,S Patkar-Varde College, India
2. Institute of Engineers (IIE)
3. Sharda University
4. Zeal Education Society Savitribai Phule Pune University

New Zealand

1. Christchurch Polytechnic Institute of Technology
2. Wellington Institute of Technology and Whitireia New Zealand
3. The University of Otago Language Centre
4. Auckland University of Technology
5. Otago Polytechnic



Maldives

1. Clique College

Austria

1. MCI Management Center Innsbruck
2. Graz University of Technology

Czech Republic

1. Technical University of Liberec

Denmark

1. Food Technology, Denmark Technology Institute

Germany

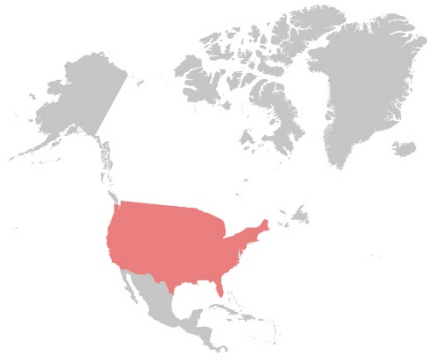
1. Hof University
2. Westfälische Hochschule Gelsenkirchen, University of Applied Sciences
3. Bavarian Julius Maxilian University of Wurzburg
4. RWTH Aachen University

Netherlands

1. Aircraft Maintenance College 66

United Kingdom

1. De Montfort University
2. University of Northampton



NORTH AMERICA

● United States Of America 1 Institution

United States Of America

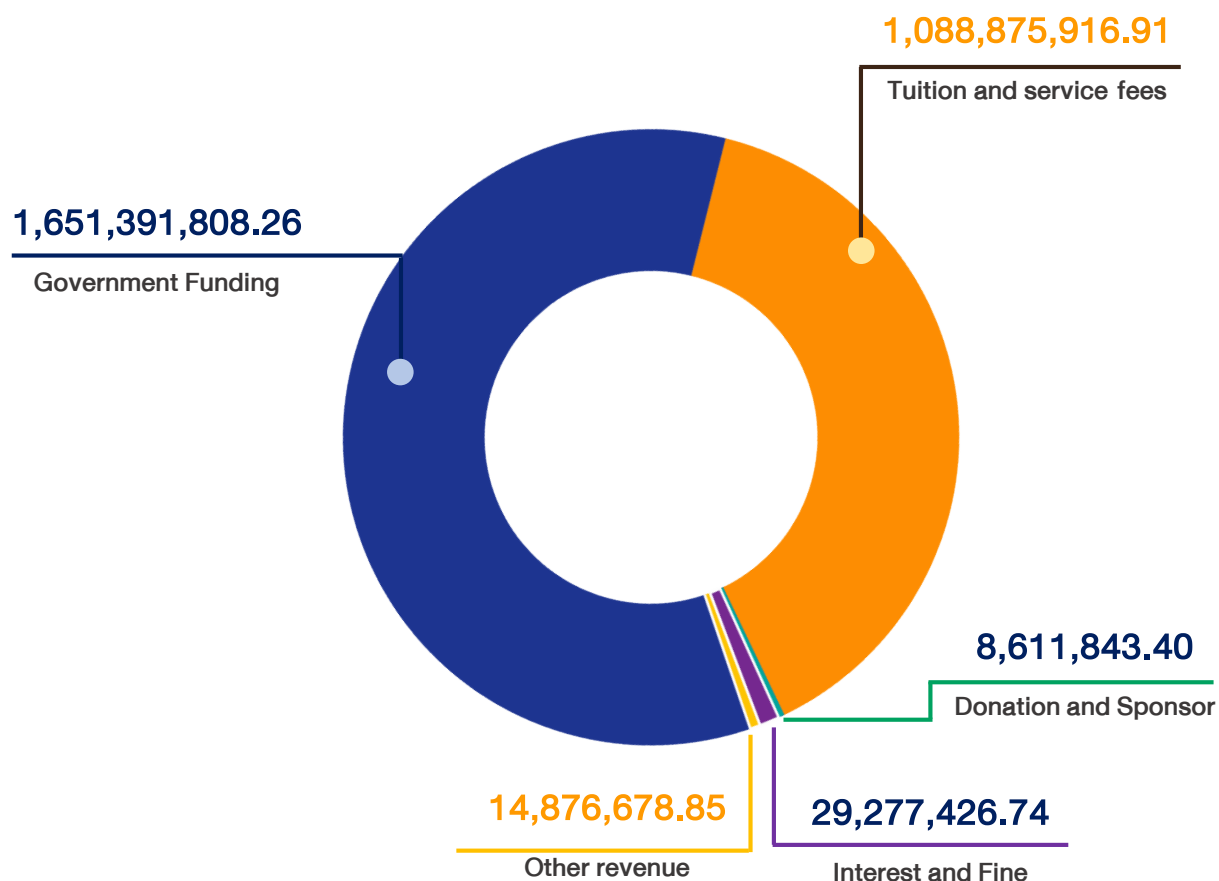
1. Louisiana State University and Agricultural and Mechanical College



1. RAVTE (Regional Association for Vocational Teacher Education)
2. UMAP International Secretariat
3. Henritex (M) Sdn. Bhd.
4. Colombo Plan Staff College for Technician Education (CPSC)
5. International Youth Fellowship
6. CDIO Worldwide Initiative
7. The Ministry of Tourism of the Kingdom of Cambodia
8. Berjaya Lankawi Resort
9. Beijing Huatec Information Technology Co., LTD.
10. Hotel Glorious Hakuba

2020 Revenue and Expenses Summary

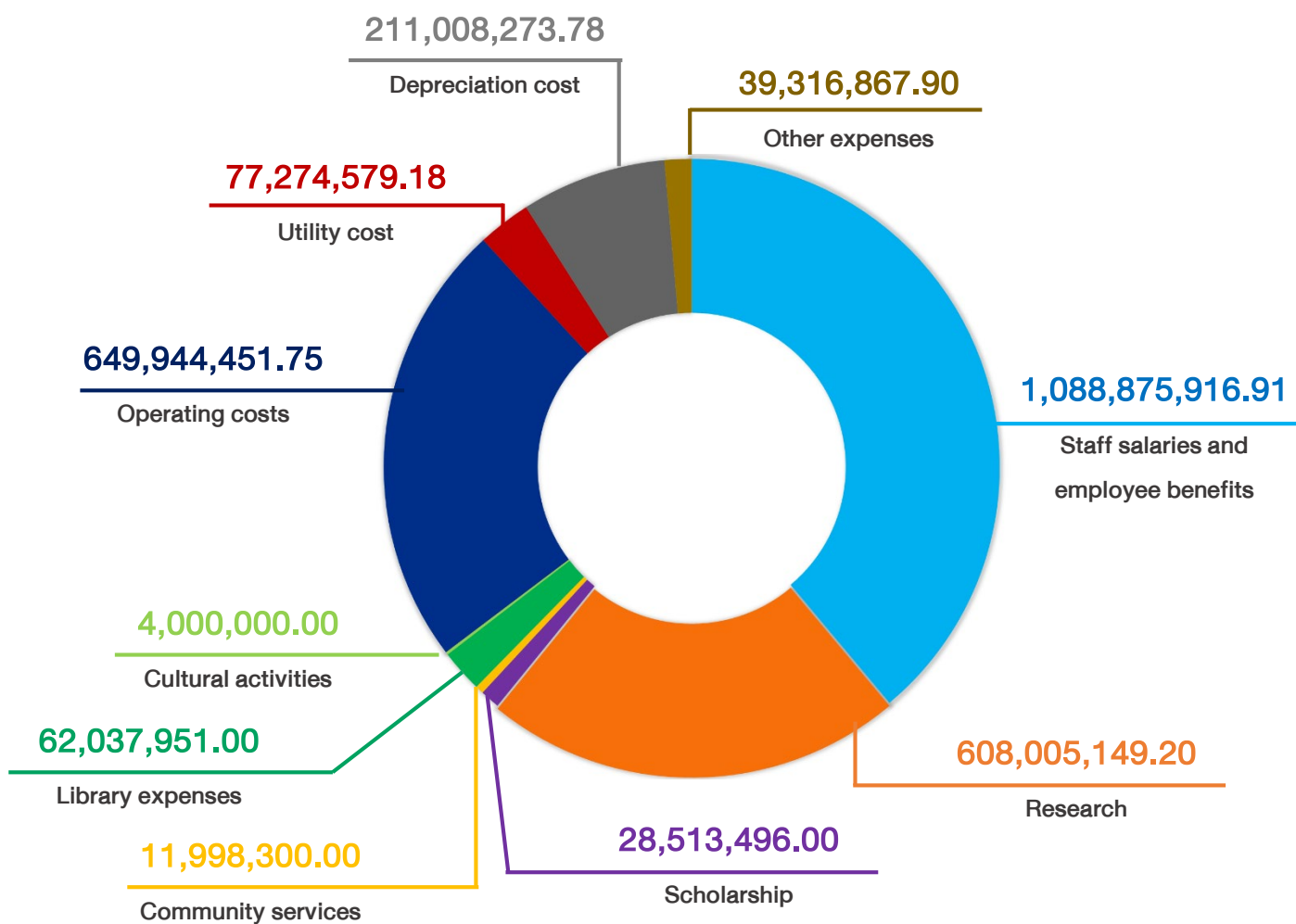
Revenue (THB)



Revenue :

Government Funding	1,651,391,808.26
Tuition and service fees	1,088,875,916.91
Donation and Sponsor	8,611,843.40
Interest and Fine	29,277,426.74
Other revenue	14,876,678.85
Total Revenue	2,793,033,674.16

Expenses (THB)

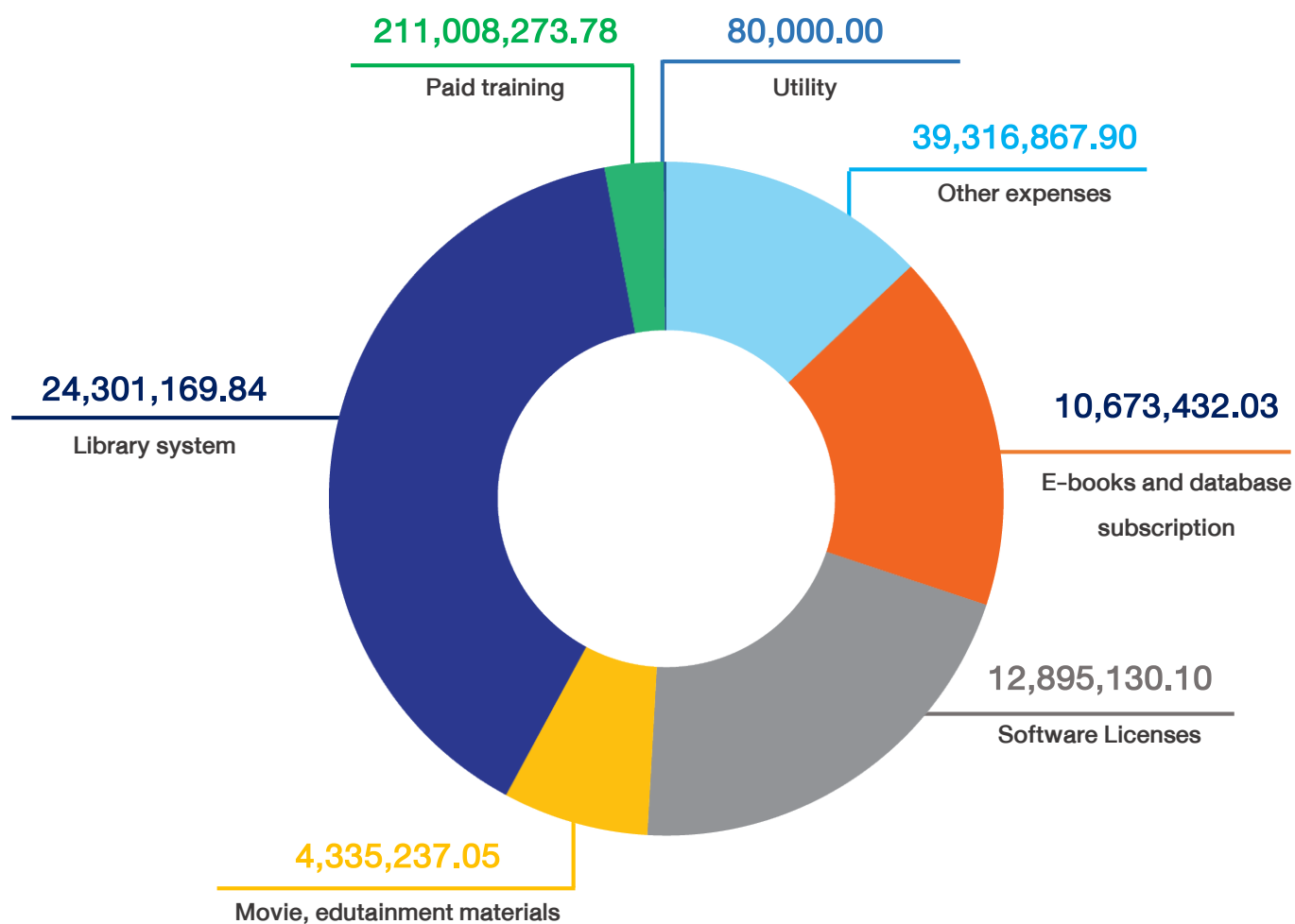


Expenses :

Staff salaries and employee benefits	1,077,594,498.46
Research	608,005,149.20
Scholarship	28,513,496.00
Community services	11,998,300.00
Library expenses	62,037,951.00
Cultural activities	4,000,000.00
Operating costs	649,944,451.75
Utility cost	77,274,579.18
Depreciation cost	211,008,273.78
Other expenses	39,316,867.90

Total Expenses	2,769,693,567.27
-----------------------	-------------------------

Library Expenses (THB)



Library Expenses (THB) :

Book, Newspaper, Magazine (Hardcopy)	8,009,914.15
E-books and database subscription	10,673,432.03
Software Licenses	12,895,130.10
Movie, edutainment materials	4,335,237.05
Library system	24,301,169.84
Paid training	1,743,067.83
Utility	80,000.00
Total Library Expenses	62,037,951.00

