



JICA Project for AUN/SEED-Net
“Plant the **SEED** of future,
Grow **ASEAN-Japan**
NETwork for sustainability.”

JICA Technical Cooperation Project for ASEAN University Network/
Southeast Asia Engineering Education Development Network



AUN/SEED-Net





We EXPAND
the network of collaboration



We ENHANCE
the capacity of human resource
in engineering education



BACKGROUND

JICA Project for AUN/SEED-Net was established in 2001 as a sub-network under the auspices of ASEAN University Network (AUN). The network conducts various academic activities in engineering field to promote the sustainable development of innovative and highly-skilled human resources in Southeast Asia and Japan.



PHASE IV

- The Government of Japan and Japan International Cooperation Agency (JICA), in collaboration with the Governments of ASEAN member states, ASEAN Member Institutions, the ASEAN Secretariat, AUN Secretariat, AUN/SEED-Net Secretariat, and Japanese Universities, decided to implement Phase IV of AUN/SEED-Net project.
- Project Purpose: The network of AUN/SEED-Net is well maintained and continues to expand.

Within and after the termination of Phase IV in 2023, AUN/SEED-Net aims at contributing our abundant human resources and flourishing network to two crucial initiatives of ASEAN and Japan: the ASEAN Outlook on the Indo-Pacific, and the Free and Open Indo-Pacific (FOIP). Concretely, AUN/SEED-Net plans to create and strengthen the linkage with potential partners in the target regions, namely South Asia and Africa, to ensure the expansion and continuity of the achievements from Phase I to IV.

EXPECTED OUTPUTS

- 1 Networks between Member Institutions, industrial partners, and community are strengthened.
- 2 Research and educational capacity of Member Institutions is enhanced through collaboration among Member Institutions/ Japanese Supporting Universities.
- 3 Joint research is promoted to solve regional common issues.
- 4 Academic network among Member Institutions/Japanese Supporting Universities is strengthened and expanded.

COLLABORATIVE EDUCATION PROGRAM (CEP)

To ensure self-sustainability of AUN/SEED-Net members, Collaborative Education Program (CEP) was launched in 2018. The objective of the program is to empowers Member Institutions to flexibly tailor their own postgraduate curriculum, activity design, management, and implementation that best fit their needs.

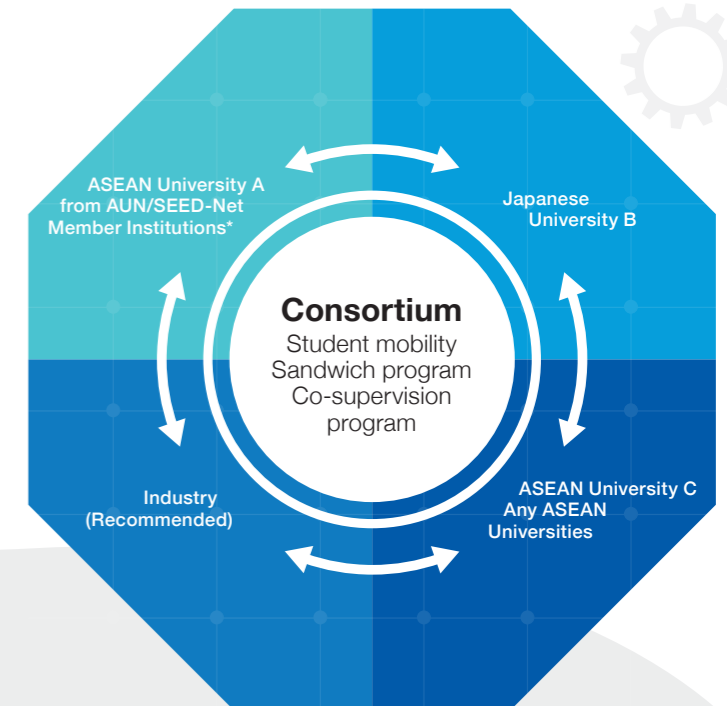
Applicants (referred to as ASEAN University A) are required to form consortium which consists of the following fundamental bodies:

1. ASEAN University A: Any AUN/SEED-Net Member Institution except Member Institutions in Singapore and Brunei Darussalam
2. Japanese University B: Any university in Japan
3. ASEAN University C (optional): Any university in ASEAN
4. Industrial Partner (optional): Any company or research institution



CEP Programs

- CEP-SIIT: JICA-AUN-SEED/Net: SIIT-HU-ITC CEP Consortium by SIIT
- CEP SEEN: Collaborative Education Program for Sustainable Environmental Engineering Network
- GAICCE: Global Academia-Industry Consortium for Collaborative Education Program
- ICE-MATTER: International Collaborative Education Program for Materials Technology, Education and Research
- JACEP: Japan ASEAN Collaborative Education Program
- MCM: Consortium of Master in Construction Management



REGIONAL CONFERENCE (RC)

Regional Conference (RC) is a platform for academicians, researchers, and experts to share the most updated technology and researches that reflect on the regional common issues. The program aims to enhance academic networks among ASEAN and Japanese universities, strengthen the relationship between academicians in the region, and maximize the academic network outreach to external communities, including government, industrial sector, and other professional organizations.

Eligibility: Applications are open to:

- 1). **Participants:** Anyone who has quality research paper and eager to share their research findings through presentation;
- 2). **Organizers:** Any AUN/SEED-Net Member Institutions.



ALUMNI SUPPORT PROGRAM (ASP)

Throughout almost two decades of operations, AUN/SEED-Net provided more than 1,400 scholarships and over 200 research projects funding to ASEAN students and academic staff from Member Institutions. The alumni from all the past implemented programs are regarded as a powerful driving force for sustainable development in the region. Hence, it is extremely crucial to maintain and strengthen network and connections among them. This led to the establishment of the Alumni Support Program (ASP).

ASP is divided into the Alumni Support Program for Events (ASP-E) and Alumni Support Program for Research (ASP-R), offering support to alumni in different ways. The ASP-E focuses on strengthening the network through events and social gatherings, while ASP-R expands the network through collaborative research.



SPECIAL PROGRAM FOR RESEARCH AGAINST COVID-19 (SPRAC)

In early 2020, COVID-19 pandemic has swept across the globe and posed serious threats to nations worldwide. Amidst this global health crisis, AUN/SEED-Net shares grave concerns with the people from all around the world, and is determined to contribute its expertise and support to alleviate the situation. JICA and AUN/SEED-Net, in response to the pandemic crisis, decide to launch a new research support program, entitled "The Special Program for Research against COVID-19 (SPRAC)".

The program aims to achieve research outputs in any engineering field or interdisciplinary areas of research that revolves around COVID-19. SPRAC offers opportunities for research collaboration between Member Institutions (MIs), Japanese Supporting Universities (JSUs), industrial and external partners in ASEAN, Japan, South Asia, and Africa.



VIDEO CONTEST FOR ALUMNI NETWORK (V-CAN)

With more than 17 years of history involving over 2,000 alumni and countless academic activities, AUN/SEED-Net seeks to sustain good collaboration and expand its network. V-CAN, a three-minute alumni video contest, is an alternative platform where AUN/SEED-Net alumni can present themselves, get to know and update each other, and discuss potential collaborations with other alumni members and people outside the network. The exercise also helps alumni to stay connected.

Moreover, AUN/SEED-Net can also use the videos as promotional materials to influence, change, and improve relationships, not only between the project and stakeholders, but also with people outside the network.

EQUIPMENT SUPPORT PROGRAM FOR PROMOTING RESEARCH AND EDUCATION FOR MEMBER INSTITUTIONS UNDER COVID-19 (ESP)

In Japanese Fiscal Year (JFY) 2021, JICA launched a new program entitled "Equipment Support Program for Promoting Research and Education for Member Institutions under COVID-19 (ESP)," which aims to strengthen research and education capacities, and network between alumni of MIs and their former Japanese advisors. In response to the New Normal way during under COVID-19 crisis, education and research activities have to adapt and are shifted online. Under this program, JICA provides MIs with practical equipment vital for research and online education.



ASEAN ENGINEERING JOURNAL (AEJ)

AEJ had been a platform for publications of innovative knowledge and impactful research since its launch in 2011. The journal had been indexed by Thai Journal Citation Index (TCI), ASEAN Citation Index (ACI) since 2015, and by Scopus since 2019. To sustain its past achievements, JICA Project for AUN/SEED-Net decided to transfer the journal ownership to Universiti Teknologi Malaysia (UTM), one of the MIs. The ownership transfer was completed and officially announced on April 1, 2021. As one of the long-running programs and a precious legacy of the project, JICA Project for AUN/SEED-Net will ensure the continuity of the fair and coherent contribution among all MIs, and sustain the past achievements of the journal.

Please be introduced to the new AEJ Homepage by following the link below: <https://journals.utm.my/aej/>

AUN/SEED-NET

NETWORK WITH UNIVERSITY IN ASEAN AND JAPAN

BRUNEI DARUSSALAM

- Universiti Teknologi Brunei (UTB)
- Universiti Brunei Darussalam (UBD)

CAMBODIA

- Institute of Technology of Cambodia (ITC)

INDONESIA

- Institut Teknologi Bandung (ITB)
- Universitas Gadjah Mada (UGM)
- Universitas Indonesia (UI)
- Institut Teknologi Sepuluh Nopember (ITS)

MALAYSIA

- University of Malaya (UM)
- Universiti Sains Malaysia (USM)
- Universiti Putra Malaysia (UPM)
- Universiti Teknologi Malaysia (UTM)

MYANMAR

- University of Yangon (UY)
- Yangon Technological University (YTU)

PHILIPPINES

- University of the Philippines-Diliman (UP)
- De La Salle University (DLSU)
- Mindanao State University-Iligan Institute of Technology (MSU-IIT)

SINGAPORE

- National University of Singapore (NUS)
- Nanyang Technological University (NTU)

THAILAND

- Chulalongkorn University (CU)
- King Mongkut's Institute of Technology Ladkrabang (KMITL)
- Burapha University (BUU)
- Kasetsart University (KU)
- Thammasat University (TU)

VIETNAM

- Hanoi University of Science and Technology (HUST)
- Ho Chi Minh City University of Technology (HCMUT)

JAPAN

- Hokkaido University
- Keio University
- Kyoto University
- Kyushu University
- National Graduate Institute for Policy Studies
- Shibaura Institute of Technology
- Tokai University
- Tokyo Institute of Technology
- Toyohashi University of Technology
- The University of Tokyo
- Waseda University
- Tohoku University
- Nagoya University
- Osaka University

10 ENGINEERING FIELDS



**CHEMICAL
ENGINEERING**



ENERGY ENGINEERING



**MATERIAL
ENGINEERING**



CIVIL ENGINEERING



**ENVIRONMENTAL
ENGINEERING**



**MECHANICAL AND
MANUFACTURING
ENGINEERING**



**COMPUTER
ENGINEERING**



**GEOLOGICAL AND
GEO-RESOURCE
ENGINEERING**



**NATURAL DISASTER
ENGINEERING**



**ELECTRICAL AND
ELECTRONICS
ENGINEERING**

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