**Long-term Academic Support**

- **Degree Programs**
  - Master's Programs
  - PhD Programs
- **Other Programs**
  - Collaborative Research
  - Collaborative Research for Student
  - University-industry Linkage
  - Short-term Visits
  - ASEAN Engineering Journal

**Timeline**

- **Phase 1: 2003-2005**
  - Establishment of Framework
- **Phase 2: 2006-2011**
  - Strengthening and Promote Network
- **Phase 3: 2012-2018**
  - Addressing Common Regional Issues and Industry

**10 Engineering Fields**

1. Chemical Engineering
2. Civil Engineering
3. Computer and Information Engineering
4. Electrical & Electronics Engineering
5. Geological and Geo-Resource Engineering
6. Energy Engineering
7. Materials Engineering
8. Mechanical & Manufacturing Engineering
9. Environmental Engineering
10. Natural Disaster

**Contact Information**

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Facebook: https://www.facebook.com/aunseednet

**AUN/SEED-Net**

Network of 40 Engineering Universities in ASEAN and Japan

- **26 Universities in 10 ASEAN Countries**
  - University of Yangon
  - Yangon Technological University
- **26 Universities in 10 ASEAN Countries**
  - Chulalongkorn University
  - King Mongkut's Institute of Technology Ladkrabang
  - Burapha University
  - Kasetsart University
  - Thammasat University
- **14 Japanese Supporting Universities**
  - National University of Singapore
  - Nanyang Technological University
  - Hokkaido University
  - Keio University
  - Kyoto University
  - Kyushu University
  - Nagoya University
  - National Graduate Institute for Policy Studies
  - Osaka University
  - Shibaura Institute of Technology
  - Tohoku University
  - Tokai University
  - Tokyo Institute of Technology
  - Tokyo University of Technology
  - Toyohashi University of Technology
  - The University of Tokyo
  - Waseda University

**ASEAN University Network / Southeast Asia Engineering Education Development Network (AUN/SEED-Net)**

AUN/SEED-Net was established in 2001 with its vision to contribute to sustainable social and economic development through highly skilled human resource development in engineering field. The network and its program activities are supported by ASEAN Governments and the Government of Japan through Japan International Cooperation Agency (JICA).
1 Graduate Degree Program

To develop capacity of the academic staffs, Graduate Degree Program targets young professionals who wish to further their graduate study and become faculty members at Member Universities.

<table>
<thead>
<tr>
<th>Program</th>
<th>Duration</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master's Degree</td>
<td>3 years</td>
<td>ASEAN University</td>
</tr>
<tr>
<td>Doctoral Degree Sandwich</td>
<td>3 years</td>
<td>ASEAN University, Japanese Unv. (Grant from JSPS)</td>
</tr>
<tr>
<td>Integrated Graduate Degree</td>
<td>4 years</td>
<td>Direct PhD</td>
</tr>
<tr>
<td>Doctoral Degree in Singapore</td>
<td>4 years</td>
<td>University in Singapore</td>
</tr>
<tr>
<td>Doctoral Degree in Japan</td>
<td>3 years</td>
<td>University in Japan</td>
</tr>
</tbody>
</table>

Number of Scholarship Awarded by AUN/SEED-Net (Total: 1,183)

- Master's PhD: 696
- PhD Sandwich: 217
- Integrated PhD: 9
- PhD ASEAN: 204
- PhD Japan: 57

(Number as of 31 March 2019)

2 Research Program

Collaborative Research Programs support AUN/SEED-Net ongoing students, alumni, and faculty members to conduct research which aims at contributing to addressing regional challenges and bridging industry with academic arena.

<table>
<thead>
<tr>
<th>Research Grant for ongoing AUN/SEED-Net Students CRM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Grant for Alumni Members CEA</td>
</tr>
<tr>
<td>Collaborative Research for Common Regional Issues CRC</td>
</tr>
<tr>
<td>Collaborative Research with Industry CRH</td>
</tr>
</tbody>
</table>

CRA - Dr. Rimpla Butch M. Cervara, University of the Philippines Diliman

Research Topic: Synthesis and characterization of novel nanograined lithium cobalt oxyhydroxide as cathode for rechargeable lithium ion batteries

GRC - Dr. Pich Buncheuen, Institute of Technology of Cambodia

Research Topic: Application of community-based arsenic removal unit for provision of safe water in affected provinces of Cambodia and Laos

CRI - Dr. Ika Dewi Ani, Universitas Gadjah Mada, Indonesia


3 Mobility, Networking, and Knowledge Sharing

AUN/SEED-Net creates opportunities of knowledge sharing by mobilizing human resources and networking among academic staffs of Member Universities in ASEAN and Japan through short-term visits and fellowship programs.

- Research Fellowship BIF
- Short-term Visit Program in ASEAN SVAS
- Short-term Research Program in Japan SRUP
- Japanese Professor Dispatch Program JPSDP

AUN/SEED-Net Engineering Journal AEJ

To be a platform for engineering scholars and researchers to publish knowledge from research findings in ASEAN countries.

Regional Conference RC

International academic conference, a forum to present research work of ASEAN and beyond

4 University-Industry Linkage

AUN/SEED-Net promotes the linkage between universities and industries by organizing following activities:

- Intensive Training on Promotion for University – Industry Linkage (IAT Training)
- Intensive Course on Management of Technology MOT
- Seminar on University – Industry Linkage
- Directory to introduce engineering department of Member Institutions

- MOT Course in Malaysia
- Seminar on University-Industry Linkage in Jakarta

Project Purpose & 4 Expected Outputs

A region-wide system for advanced research and education will be established by Member Universities in collaboration with Japanese Supporting Universities.

- Capacity Development of academic staffs in Member Universities
- Academic networking among Member Universities in ASEAN and Japan
- Linkage between universities and industrial sectors
- Addressing common regional issues through research activities