

**ASEAN University Network  
Southeast Asia Engineering Education Development Network**

**AUN/SEED-Net**

**Implementation Guidelines and  
Application Form  
for  
Integrated Graduate Program**

**For the Japanese Fiscal Year 2015**

**AUN/SEED-Net Project**

*As of September 2014*

## 1. Project Background

The concept of the SEED-Net evolved at the ASEAN-Japan Summit Meeting held in December 1997 and the central issue became how to upgrade higher engineering education by way of creating engineering institutions' networks ASEAN-wide. As a result of a series of discussions and preparations between ASEAN Member Countries and Japan, the ASEAN University Network/Southeast Asia Engineering Education Development Network (AUN/SEED-Net) was established in 2001 as a sub-network of ASEAN University Network (AUN).

After two years of preparation, full-scale operation started in March 2003 for five years as the Phase 1 cooperation, which was then followed by another five year project as the Phase 2 cooperation, supported by Japanese Government through Japan International Cooperation Agency (JICA).

In the last decade the AUN/SEED-Net has supported young academic staff of Member Institutions to acquire higher degrees (master's degree and/or Ph.D.) by providing them opportunities to study at leading Member Institutions in the region or at supporting universities in Japan. As a result, around 900 academic staff have already obtained opportunities to study for higher degrees, with most of these having returned to teach students at universities in their respective countries. At the same time, the project has strengthened the research capacity of academic staff in ASEAN Member Countries by supporting collaborative research, academic staff exchange, academic conference, "ASEAN Engineering Journal" and so on. As a result, around 700 collaborative research projects have been undertaken, and more than 1,000 academic papers have been published. Over 1,300 in total academic staff have also participated in exchange programs between Member Institutions in the network. Through these activities the AUN/SEED-Net has succeeded in strengthening the engineering faculties of each Member Institution.

Based on these remarkable achievements, the ASEAN Member Countries, Member Institutions, the Government of Japan and JICA have a strong intention to continue the AUN/SEED-Net aiming to bring about larger impacts not only to other universities in the region and Japan, but also to industry and community by making more direct contribution to the socio-economic development in the region and Japan. After continuous discussion, all parties agreed to implement the Phase 3 Project of AUN/SEED-Net with these following objectives :

- (1) Contribution to advancement and globalization of regional industry
- (2) Contribution to solution of regional common issues in Asia
- (3) Establishment of human resource development platform in science and technology in Asia

## 2. Program Concept

- (1) AUN/SEED-Net provides Integrated Graduate Program Scholarship to highly qualified **young faculty staff / prospective young faculty staff of Member Institutions** to acquire Doctoral degree in ten engineering fields.
- (2) During four (4) years of the scholarship (Integration of Master's and Doctoral program), students will be provided seamless supervision from the early stage of his/her PhD program. This allows students to conduct research from the long-term perspective.
- (3) To provide joint supervision by Advisor at Host Institution (HI) in ASEAN and Co-Advisor(s) at Japanese Supporting University (JSU) from the beginning of the Program. Students are eligible to go to Japan under "Short-term study in Japan Program" to maximize the benefit of joint supervision by ASEAN and Japan.
- (4) Students are eligible to make short-term study in Japan to do the research with Japanese Co-Advisor(s) for the duration of maximum 10 months (two 1-month visits and one 8-month visit). This is to conduct high-quality research under the supporting program called "Collaborative Research Program".
- (5) AUN/SEED-Net may provide follow-up programs to our alumni to continuously improve their research and educational capacity such as the support of research conducted with Japanese

professors, participation in academic conferences organized by AUN/SEED-Net, as well as publication in international journals. The alumni of this program are fostered to be leading human resources in engineering in each ASEAN country, are expected to the link between academicians in ASEAN and Japan and further strengthen the AUN/SEED-Net Network.

### 3. Objectives

- (1) To increase the number of highly qualified faculty staff with a doctoral degree in engineering at Member Institutions which would be necessary for contribution to sustainable development of ASEAN countries.
- (2) To strengthen doctoral degree programs at Host Institutions so that the production of high quality doctoral degree holders in engineering needed for the region is materialized within the region in collaboration with Member Institutions and Japanese Supporting Universities.
- (3) To strengthen human networking among teaching staff of Member Institutions and Japanese Supporting Universities.

### 4. Applicant Eligibility

- (1) Applicants must be **young faculty staff of Sending Institutions**, or graduating students/graduates who are **strongly motivated to pursue a professional career as faculty staff at Sending Institutions**.
- (2) Applicants must be **endorsed to apply by Sending Institutions in their home country**, which expect them to be faculty staff after completion of graduate program.
- (3) Applicants must hold a bachelor's degree in a relevant engineering field, or to be conferred the bachelor's degree before starting this degree program. Applicants with a bachelor's degree only are rather expected to apply for Integrated Graduate Program. Those who have already obtained a master's degree are strongly recommended to apply for Doctoral Degree Sandwich Program as a relevant program. Those who were received any scholarship of AUN/SEED-Net once before are NOT eligible for Integrated Graduate Program.
- (4) Applicants should be ranked within top 5% of the class for Bachelor's Degree, in principle, (a certified document of class rank is required).
- (5) Applicant should have a Cumulative Grade Point Average (Cumulative GPA) of 3 or more in the 4-scale grading system or at least 7.5 in the 10-scale grading system.
- (6) Applicants must be under the age of 30 at the time of application and capable of carrying out independent research.
- (7) Applicants can be considered even if their Host Institution and Sending Institution are the same university in their home country. However, the applicants have to hold the previous degree from the same Host Institution with outstanding academic performance.
- (8) Applicants who have already received another equivalent major award, scholarship or a salary to undertake a proposed program are NOT eligible for this scholarship.
- (9) Applicants must be in good health, both physically and mentally to apply for a scholarship. If awarded, it can be required that applicants have a medical check-up. Applicants with unhealthy condition may be subjected to a withdrawal of scholarship.

Remarks: **Sending Institutions** is the Member Institutions which endorse applicants and send the requests of scholarships to AUN/SEED-Net. **Host Institutions** is the Member Institutions which accept applicants into their graduate programs.

## 5. Type of Program

There are two (2) types of Integrated Graduate Program as following information:

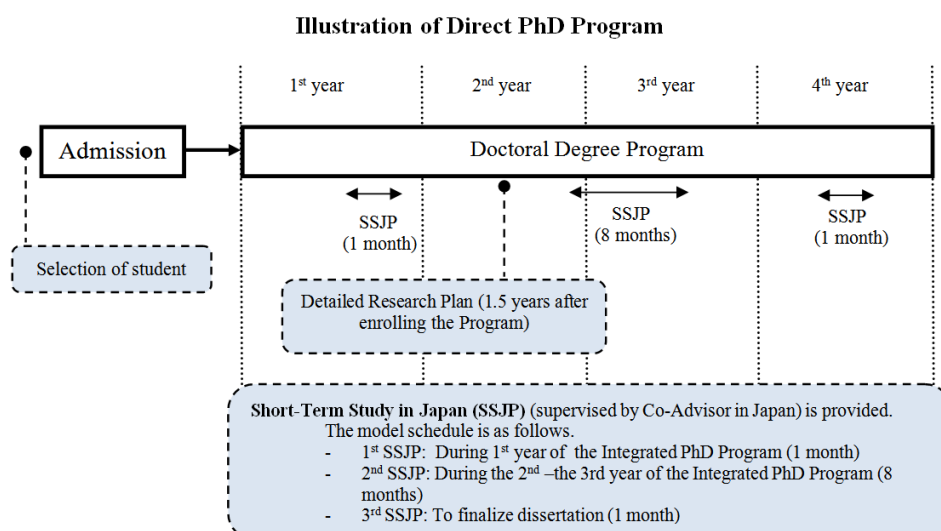
### 5.1. Direct PhD Program

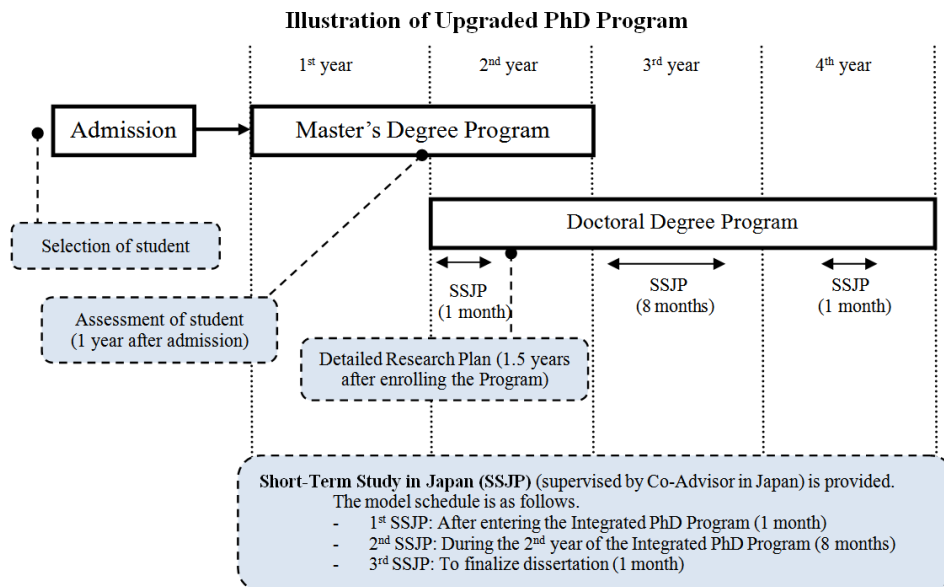
The student of this program can directly enroll in the PhD Program (Direct PhD Program). The period is 4 years from the admission until completion of the PhD Program. The student will have two advisors. The main advisor in Host Institution and co-advisor in Japanese Supporting University should be fixed during screening process. “Short-term study in Japan” (SSJP) is provided during the 4 year-study. SSJP can be offered three times (two 1-month visits and one 8-month visit).

### 5.2 Upgraded PhD Program

The period is 4 years from the admission until completion of the PhD Program and the student will have two advisors. The student of this program first studies for Master’s Degree Program at Host Institution with his/her main advisor in Host Institution and co-advisor in Japanese Supporting University who should be fixed during screening process. The assessment for upgrading from Master’s to Doctoral Degree Program will be conducted by each HI after 1 year from student’s admission to the Program. The potential student will be eligible for upgrading into PhD Program from the 2<sup>nd</sup> year of his/her study at HI, the student with good performance during the 1<sup>st</sup> year goes on the Doctoral Degree Program. With a strong recommendation by main advisor and a co-advisor, the student will continue his/her study for PhD. “Short-term study in Japan” (SSJP) is provided during the 4 year-study. SSJP can be offered three times (two 1-month visits and one 8-month visit).

**Remark:** Necessary assessment will be conducted by each HI during the 1<sup>st</sup> year after admission. If the student cannot pass the 2<sup>nd</sup> assessment for upgrading, the student continues Master’s Degree Program and receives 2-year scholarship only for Master’s Degree Program in total. However, the 2<sup>nd</sup> assessment procedure and its treatment is subjected to the regulation of each HI.





## 6. Selection of Host Institution(s)

- (1) Applicants must carefully study types of Integrated Graduate Program provided by each Host Institution and their proposed field of study. (Please see list of Host Institutions and their host fields in Attachment 1, and visit our website at [http://www.seed-net.org/application\\_form.html](http://www.seed-net.org/application_form.html) for their application forms.)
- (2) Applicants must carefully study admission requirements of each Host Institution for its own enrollment criteria.
- (3) Each Host Institution has drawn up divisions. It is advised that all applicants should be well aware of research areas that each Host Institution can offer to AUN/SEED-Net students before selecting Host Institution(s), by carefully studying the divisions and choose their tentative thesis research topics accordingly (for details of each engineering field and divisions, please refer to Attachment 1, or visit AUN/SEED-Net Graduate website at <http://www.seed-net-grad.org/>).
- (4) Applicants are eligible to apply to the maximum of two fields and/ or two Host Institutions.
- (5) Applicants can apply to Host institution in own country if they meet all requirements below.
  - The Host Institution and the Sending Institution is the same university.
  - They graduated the previous degree from this Host Institution with outstanding academic performance (excellent score).
  - The course they apply for uses English language as medium of instruction.
- (6) Applicants should be aware that some Host Institutions strictly require their applicants to obtain a TOEFL and/or GRE score as an admission requirement. (Please contact each Host Institution for more details.)

## 7. Target Number of Scholarships

Approximately 10 scholarships for the Japanese Fiscal Year 2015 will be supported (the exact number of scholarship will be decided based on the budget situation). The scholarships, in principle, should be distributed across fields.

## 8. Coverage of Scholarships

The scholarships cover tuition fees, living allowance\*, health insurance\*\*, relocation allowance\*\*, and a round-trip air ticket\*\*, in accordance with the AUN/SEED-Net Project regulations. There may be partial support(s) from concerned Host and Sending Institution.

\* Living allowance for the successful applicant who studies in own country may be adjusted.

\*\*Health insurance, relocation allowance, and a round-trip air ticket will be provided only for international student.

## 9. Management of Technology (MOT)

AUN/SEED-Net recognizes it is essential for PhD students to understand how engineering can contribute to the society, especially in the industrial sectors, and should conduct research activities from this viewpoint. AUN/SEED-Net therefore encourages all students under the project to take a course in MOT during their study at their Host Institutions, if available.

## 10. Commencement and Duration of Scholarships

The commencement of scholarship should be within the Japanese Fiscal Year 2015; that is, awarded students should commence their study within April 2015 – March 2016.

The duration of the scholarship is strictly four (4) years, counting from the day of arrival at a Host Institution. Students who need more than four (4) years to acquire a degree will be expected to self-finance during period of extension.

*Note: The AUN/SEED-Net Project, in consultation with the Host Institution, will terminate the award of any student who fails to maintain satisfactory progress at the Host Institution.*

## 11. Portrait Rights

The applicant agrees to the condition that AUN/SEED-Net has the right to use photos of the person engaged in AUN/SEED-Net activities for advertising or promotional purposes of PR and reporting without consent for each individual case.

## 12. Application Procedure

Applicants **MUST** submit:

(1) **One (1)** set of AUN/SEED-Net's Application Form in **Microsoft Excel format** to the AUN/SEED-Net **via E-mail: [intgr.grad@aun-seed.net](mailto:intgr.grad@aun-seed.net)**. Converting the file into other document formats is prohibited.

(2) **One (1)** set of AUN/SEED-Net's Application Form, **two (2)** sets of Host Institution's Application Form and required documents **in printed format** to the **contact person at Sending Institution to which the applicants belong for endorsement from the Dean or designated person.** The Sending Institution will send the completed applications with the endorsement to the AUN/SEED-Net.

\* Please note that applications without an endorsement letter will not be accepted.

The announcement of the award of scholarship is done through the Sending Institution of the applicant.

AUN/SEED-Net's application form (in Microsoft Excel format) and Host Institution application form are available at [http://www.seed-net.org/application\\_form.html](http://www.seed-net.org/application_form.html). The list of names of contact persons at Sending Institutions is given in Attachment 2.

### **13. Submission Deadline of the Application Form**

Application form (Microsoft Excel format) of the Integrated Graduate Program should be submitted via E-mail to [intgr.grad@aun-seed.net](mailto:intgr.grad@aun-seed.net) by **November 30, 2014.**

The printed form of the application with the required documents are to be sent by Sending Institution via post to the AUN/SEED-Net Secretariat by **November 30, 2014.**

**Application (Printed Form) to be submitted to:**

**AUN/SEED-Net Project**  
(Integrated Graduate Program)  
Faculty of Engineering Building 2, Room 109-110  
Chulalongkorn University  
Bangkok 10330, THAILAND

## AUN/SEED-Net APPLICATION FORM Integrated Graduate Program JFY 2015 INSTRUCTIONS

To fill in the application form, it is advised to carefully study the Program Guideline of Integrated Graduate Program JFY 2015.

To fill in AUN/SEED-Net Application Form in **Microsoft Excel format**, please type all entries in yellow box on the application form.

Once completed, please **DO NOT** convert the file to other file types other than **Microsoft Excel**. Converting the file type to PDF is not acceptable. Handwritten application and other formats of the application form are prohibited.

In addition to the application form, the following "Supporting Documents" are required:

1. This application form, completed with photo & signature
2. Official Bachelor's Degree certificate (original or certified copy)
3. Official Bachelor's transcript with grade points (original or certified copy)
4. Certified letter of Class Rank of the Bachelor's study from the Dean or Registrar Office of your graduated institution (Form in Attachment 3)
5. Letter of Endorsement from the Rector or Dean of Member Institution to which you belong (with current status or position in case you are a faculty staff.)
6. Letter of recommendation from your advisor (Form provided in attachment 4)
7. At least one Letter of Recommendation from the Dean or Head of the Department to which you belong or from which you graduated. (Form in Attachment 4)
8. Two sets of completed application(s) of the Host Institution(s) with photo & signature, and all documents required by the Host Institution(s) for which you want to apply (Please note that each host may have different requirements.).
9. Certificate of English Proficiency , e.g. score of TOEFL and GRE or equivalent test (if any)

#### Additional Documents Checklist


1. Copy of publication(s)
2. Others (please specify):

The AUN/SEED-Net Application Form in Microsoft Excel format must be emailed to [intgr.grad@aun-seed.net](mailto:intgr.grad@aun-seed.net) with subject line "Application: Integrated Graduate Program 2015". The printed version of the AUN/SEED-Net Application Form and Host Institution's Application Form with the Supporting Documents must be sent to the contact person at Sending Institution to which the applicants belong for endorsement from the Dean or designated person. The Sending Institution will send the completed applications with the endorsement to the AUN/SEED-Net.



(Sample of Application Form)

\*\*\*The applicants are required to fill in the application form in Microsoft Excel Format only. The format can be downloaded from [http://www.seed-net.org/application\\_form.html](http://www.seed-net.org/application_form.html)

 (ASEAN University Network / Southeast Asia Engineering Education Development Network)		
<b>Application Form of Integrated Graduated Program JFY 2015</b>		
<b>Instruction:</b>		
1 Application form can be downloaded from <a href="http://www.seed-net.org/">http://www.seed-net.org/</a> 2 <b>Input all entries in Yellow cells only</b> 3 <b>DO NOT</b> insert rows and/or columns into this file 4 <b>DO NOT</b> convert this file to PDF format or any other formats 5 Attach supporting documents with this application form 6 Submit the complete set of application form in soft and hardcopy 7 Every cell in yellow must be filled		
		<div style="border: 1px solid black; padding: 10px;"> <p style="font-size: 1.2em; margin: 0;"><b>Photo</b></p> <p style="font-size: 0.8em; margin: 0;">(Taken within the past 6 months)</p> </div>
<b>Section 1: Personal Information</b>		
1 Family Name		
2 Given Name		
3 Full Name (as appeared in passport)		
4 Gender		
5 Nationality		
6 Date of Birth		Others (Please specify) MM/DD/YYYY
7 Age		
8 Marital Status		
9 Current Position		Others (Please specify)
10 Department/Faculty		
11 University		
12 Mailing Address		
13 Tel/Fax		
14 Mobile		
15 Email		
<b>Section 2: Academic Qualification</b>		
<b>Bachelor Degree</b>		
1 Bachelor Degree		
2 Program/Department/Faculty		
3 University		
4 Date of Completion (or expected to)		MM/DD/YYYY
5 Cumulative Grade Point Average (GPA) (Honors, if any)		
6 Class Rank		Please submit the certified letter.
6.1 Placed at the rank of		
6.2 Out of total number of students of		
6.3 In the Department/Program of		
7 Other awards (please give details)		
<b>Master's Degree (if Any)</b>		
1 Master's Degree		
2 Program/Department/Faculty		
3 University		
4 Date of Completion (or expected to)		
5 Cumulative Grade Point Average (GPA) (Honors, if any)		
6 Class Rank		
6.1 Placed at the rank of		
6.2 Out of total number of students of		
6.3 In the Department/Program of		
7 Thesis Topic		
8 Other awards (please give details)		
<b>English Qualification</b>		
1 English Qualification (if any, please submit the certificate)		Others (Please specify)
2 English Qualification Scores		
3 English Qualification Date Taken		MM/DD/YYYY
<b>Section 3: Employment Record</b>		
Please summarize (in separate sheet) any employment experience, including name of employer, your position, job responsibility and period of work		
<b>Section 4: Proposed Graduate Program</b>		
<b>1 Proposed Place of Study</b>		
<b>(1) First Priority</b>		
1.1 Type of Program		
1.2 University		
1.3 Program/Department/Faculty		
1.4 Field of Study		Please select from Attachment 1
1.5 Division		Please select from Attachment 1
1.6 Preferred Advisor (if any)		
1.7 Intake Semester		
1.8 Intake Year		
<b>(2) Second Priority</b>		
2.1 Type of Program		
2.2 University		
2.3 Program/Department/Faculty		
2.4 Field of Study		Please select from Attachment 1
2.5 Division		Please select from Attachment 1
2.6 Preferred Advisor (if any)		
2.7 Intake Semester		
2.8 Intake Year		

Continue to the next page >>>

Application Form of Integrated Graduated Program JFY 2015

**Section 5: Research Proposal**

**1 Research Title**

**2 Proposed Research Work**

**3 Statement of Purpose**

**4 Publications (Please submit the copy of your publication)**

**Section 6: Declaration**

I declare that all information in this application as well as the attached documents are true and correct to the best of my knowledge. I acknowledge that the provision of incorrect information or supporting documents may result in termination of scholarship, and that I will have to be responsible for an expenses incurred from my misinformation.

If awarded the scholarship, I agree:

- (a) to abide by the rules and regulations of the Host Institution, AUN/SEED-Net Project, and JICA;
- (b) to follow course regulations and instructions and abide by such conditions as may be stipulated by the host institution, Japanese Supporting University, and AUN/SEED-Net in respect of this course of study;
- (c) to refrain from engaging in political activities, or any form of employment for profit;
- (d) to submit any progress reports or evaluation questionnaire which may be prescribed;
- (e) to return to my home country at the end of my course of study.

I also fully understand that, the scholarship, if awarded, may be subsequently withdrawn for failure of making adequate progress, or for other sufficient cause including health condition as determined by AUN/SEED-Net.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Section 7: Declaration for Graduating student or young graduate only**

I strongly wish to become a teaching staff or researcher at the Member Institution after my Doctoral study under the AUN/SEED-Net Project.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

END.

## ATTACHMENT 1

### List of Host Fields, Host Institutions, and Japanese Supporting Universities for Integrated Graduate Program 2015

#### Type 1 – Direct PhD Program

#### Fields & Host for Type 1 – Direct PhD Program

	Host Field	Host Institution	Host Country
<b>1</b>	Chemical Engineering (ChE)	Universiti Malaya (UM)	Malaysia
	Divisions: Separation Processes, Process Modeling, Simulation and Design, Chemical Reaction Engineering and Catalysis, Nano Science and Engineering, Environmental Technology and Waste Management, Renewable Energy, Biochemical, Bioprocess, and Food Engineering, Natural Resources Engineering		
<b>2</b>	Civil Engineering (CE)	Universiti Malaya (UM) Universiti Teknologi Malaysia (UTM) Chulalongkorn University (CU) Thammasat University (TU)	Malaysia Thailand
	Divisions: Structural Engineering, Construction Materials, Geotechnical Engineering, Transportation Engineering, Water Resources Engineering, Construction Management and Technology, Hydro and Geo Environment Engineering, Infrastructure Maintenance and Management		
<b>3</b>	Computer and Information Engineering (CIE)	King Mongkut's Institute of Technology Ladkrabang (KMITL)	Thailand
	Divisions: Information Communication Networks, Computer Architecture and Embedded Systems, Software Engineering, Image, Signal and Multimedia Processing, Engineering Management Systems and Applications in Social Systems, Robotics and Intelligent Systems, Sensor Network and Pervasive Computing, Human Computer Interaction (HCI), Web Data Processing and Data Mining		
<b>4</b>	Electrical and Electronics Engineering (EEE)	Institut Teknologi Sepuluh Nopember (ITS) Universiti Malaya (UM) Chulalongkorn University (CU)	Indonesia Malaysia Thailand
	Divisions: Electrical Power Systems, High Voltage Engineering, Power Electronics, Renewable Energy and Smart Grids, Embedded Systems, Instrumentation and Control, Robotics and Automation, Radio and Wireless Engineering, Optical Communications and Photonics, Multimedia and Signal Processing, Communication Networks, Biomedical Engineering, Microelectronics, Nano Electronics		
<b>5</b>	Energy Engineering (EneE)	King Mongkut's Institute of Technology Ladkrabang (KMITL)	Thailand
	Divisions: Electrical Power System, Green City/Building, Environmental Energy, Energy Conversion, Bio-Energy, Solar Energy, Energy Material, Heat and Fluid Dynamics, Heat Pump, New & Renewable Energy, Nuclear Energy, Energy Policy, Energy Scenario, Energy Storage, Clean Coal, Hydrogen Car, Energy in Automotive Engineering		

6	Environmental Engineering (EnvE)	University of the Philippines – Diliman (UPD) Chulalongkorn University (CU)	Philippines Thailand
	Divisions: <b>Pollution:</b> Air and Noise Pollution, Water Pollution, Soil and Groundwater Pollution <b>Treatment:</b> Air and Gas Treatment, Water and Wastewater Treatment, Solid Waste and Hazardous Waste Treatment, Environmental Remediation, Biotechnology and Biological Treatment, Physicochemical Treatment <b>Management:</b> Urban Water Management, Solid Waste and Hazardous Waste Management, Water Resource Management, Environmental Health and Sanitation, Environmental Modeling, Environmental Management and Policy, Global Environmental Issue		
7	Geological and Geo-Resource Engineering (GeoE)	Chulalongkorn University (CU)	Thailand
	Divisions: Geological & Resource System Engineering, Volcanism, Sedimentary Basin, Engineering Geology, Hydrogeology and Geochemistry, Geo-Environmental Engineering, Remote Sensing and GIS, Metalliferous Deposit, Mineral Processing Engineering, Recycle Processing Engineering, Geothermal System, Geophysical and Geochemical Exploration, Energy Resource Engineering, Mining Engineering, Petroleum Engineering, Petroleum Geology		
8	Materials Engineering (MatE)	Universiti Malaya (UM)	Malaysia
	Divisions: Materials for Energy and Environment, Nano Materials, Composite Materials, Biomaterials, Polymers, Ceramics & Glasses, Metallurgy, Advanced Functional Materials (Electronic, Electric, Magnetic Materials, etc.), Material Processing		
9	Mechanical and Manufacturing Engineering (ME/ManuE)	Universiti Malaya (UM) Universiti Putra Malaysia (UPM)	Malaysia
	Divisions: Thermodynamics, Computational Fluid Dynamics, Heat Transfer, Turbo-Machinery, Refrigeration and Air-conditioning, Cryogenics, Power Engineering, Smart Grid, Rotating Machinery, Vibration, Control, Multibody Dynamicsotics, Vehicle Dynamics, Robotics, Mechatronics, Mechanical Design, Design Optimization, Computational Mechanics, Machine Elements, Experimental Mechanics, Biomechanics, Vehicle Design, Manufacturing Process, Automation, Manufacturing Systems, Machine Tools Technology, Safety and Reliability, Maintenance Engineering, Failure Analysis and Engineering Life Assessment, Material Engineering, Aerodynamics, Lightweight Structure, Flight Mechanics, Aerospace Design, Aviation Technology		
10	Natural Disaster (ND)	Chulalongkorn University (CU)	Thailand
	Divisions: Earthquake Hazard, Tsunami Hazard, Volcanic Hazard, Geo-Hazard, Fluvial and Coastal Disaster, Water Related Disaster, Disaster Risk Management, Disaster Prevention and Mitigation		

## Type 2 – Upgraded PhD Program

### Fields & Host for Type 2 – Upgraded PhD Program

	Host Field	Host Institution	Host Country
1	Chemical Engineering (ChE)	Universiti Malaya (UM)	Malaysia
	Divisions: Separation Processes, Process Modeling, Simulation and Design, Chemical Reaction Engineering and Catalysis, Nano Science and Engineering, Environmental Technology and Waste Management, Renewable Energy, Biochemical, Bioprocess, and Food Engineering, Natural Resources Engineering		

2	Civil Engineering (CE)	Universiti Malaya (UM) Universiti Teknologi Malaysia (UTM) Thammasat University (TU)	Malaysia Thailand
	Divisions: Structural Engineering, Construction Materials, Geotechnical Engineering, Transportation Engineering, Water Resources Engineering, Construction Management and Technology, Hydro and Geo Environment Engineering, Infrastructure Maintenance and Management		
3	Computer and Information Engineering (CIE)	N/A	N/A
	Divisions: Information Communication Networks, Computer Architecture and Embedded Systems, Software Engineering, Image, Signal and Multimedia Processing, Engineering Management Systems and Applications in Social Systems, Robotics and Intelligent Systems, Sensor Network and Pervasive Computing, Human Computer Interaction (HCI), Web Data Processing and Data Mining		
4	Electrical and Electronics Engineering (EEE)	Universiti Malaya (UM)	Malaysia
	Divisions: Electrical Power Systems, High Voltage Engineering, Power Electronics, Renewable Energy and Smart Grids, Embedded Systems, Instrumentation and Control, Robotics and Automation, Radio and Wireless Engineering, Optical Communications and Photonics, Multimedia and Signal Processing, Communication Networks, Biomedical Engineering, Microelectronics, Nano Electronics		
5	Energy Engineering (EneE)	N/A	N/A
	Divisions: Electrical Power System, Green City/Building, Environmental Energy, Energy Conversion, Bio-Energy, Solar Energy, Energy Material, Heat and Fluid Dynamics, Heat Pump, New & Renewable Energy, Nuclear Energy, Energy Policy, Energy Scenario, Energy Storage, Clean Coal, Hydrogen Car, Energy in Automotive Engineering		
6	Environmental Engineering (EnvE)	University of the Philippines – Diliman (UPD)	Philippines
	Divisions: <b>Pollution:</b> Air and Noise Pollution, Water Pollution, Soil and Groundwater Pollution <b>Treatment:</b> Air and Gas Treatment, Water and Wastewater Treatment, Solid Waste and Hazardous Waste Treatment, Environmental Remediation, Biotechnology and Biological Treatment, Physicochemical Treatment <b>Management:</b> Urban Water Management, Solid Waste and Hazardous Waste Management, Water Resource Management, Environmental Health and Sanitation, Environmental Modeling, Environmental Management and Policy, Global Environmental Issue		
7	Geological and Geo-Resource Engineering (GeoE)	N/A	N/A
	Divisions: Geological & Resource System Engineering, Volcanism, Sedimentary Basin, Engineering Geology, Hydrogeology and Geochemistry, Geo-Environmental Engineering, Remote Sensing and GIS, Metalliferous Deposit, Mineral Processing Engineering, Recycle Processing Engineering, Geothermal System, Geophysical and Geochemical Exploration, Energy Resource Engineering, Mining Engineering, Petroleum Engineering, Petroleum Geology		

<b>8</b>	Materials Engineering (MatE)	Universiti Malaya (UM) Universiti Sains Malaysia (USM)	Malaysia
	Divisions: Materials for Energy and Environment, Nano Materials, Composite Materials, Biomaterials, Polymers, Ceramics & Glasses, Metallurgy, Advanced Functional Materials (Electronic, Electric, Magnetic Materials, etc.), Material Processing		
<b>9</b>	Mechanical and Manufacturing Engineering (ME/ManuE)	Universiti Malaya (UM) Universiti Putra Malaysia (UPM)	Malaysia
	Divisions: Thermodynamics, Computational Fluid Dynamics, Heat Transfer, Turbo-Machinery, Refrigeration and Air-conditioning, Cryogenics, Power Engineering, Smart Grid, Rotating Machinery, Vibration, Control, Multibody Dynamicsotics, Vehicle Dynamics, Robotics, Mechatronics, Mechanical Design, Design Optimization, Computational Mechanics, Machine Elements, Experimental Mechanics, Biomechanics, Vehicle Design, Manufacturing Process, Automation, Manufacturing Systems, Machine Tools Technology, Safety and Reliability, Maintenance Engineering, Failure Analysis and Engineering Life Assessment, Material Engineering, Aerodynamics, Lightweight Structure, Flight Mechanics, Aerospace Design, Aviation Technology		
<b>10</b>	Natural Disaster (ND)	N/A	N/A
	Divisions: Earthquake Hazard, Tsunami Hazard, Volcanic Hazard, Geo-Hazard, Fluvial and Coastal Disaster, Water Related Disaster, Disaster Risk Management, Disaster Prevention and Mitigation		

For the applicants' convenience, the web-sites of the Host Institutions can be accessed from the AUN/SEED-Net's web-site ([www.seed-net.org](http://www.seed-net.org)), where application forms of most universities can be downloaded.

The following is the list of 14 Japanese Supporting Universities.

1. Hokkaido University
2. Keio University
3. Kyoto University
4. Kyushu University
5. Tokai University
6. Tokyo Institute of Technology
7. Toyohashi University of Technology
8. National Graduate Institute for Policy Studies
9. University of Tokyo
10. Shibaura Institute of Technology
11. Waseda University
12. Osaka University
13. Nagoya University
14. Tohoku University

**List of Contact Persons at Member Institutions (MIs)  
for AUN/SEED-Net Graduate Degree Study Program 2015**

No.	MI.	As	Contact Person	Position	Email Address
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**Certified letter on academic standing**

To Whom It May Concern:

This is to certify that ..... is / was placed at the rank of ..... out of the class of ..... students in the department / program of ....., Faculty of ..... at ..... with the Cumulative GPA of.....

Signature .....

Name in print .....

Position .....

Institution .....

Date .....



**3. Based on the above, how would you recommend the application for the Graduate Degree Program of the AUN/SEED-Net? (Please mark  $\checkmark$  below where appropriate)**

- Strongly Recommend
- Recommend without reservation
- Recommend with some reservation
- Do not recommend

Additional Comments:

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**Signature** \_\_\_\_\_

**Date** \_\_\_\_\_