Developing Global Leaders in the Pacific Island Region for its Sustainable Development via COIL Technology

This program aims to foster leaders who will make contributions to sustainable development of the Pacific Region, based on long time educational collaboration with the University of Hawaii and the University of Guam by utilizing VOIP and other telecommunication systems. It pertains mainly to our “Global Program Shinryo (Bridging)” curriculum, and the student exchange program. Both are designed to foster personnel who can collaborate on sustainable development at the grassroots level for the Pacific Island region as well as to promote student mobility in the region.

As part of the long-term vision for international strategy at our university, the university has set goals to foster global citizens of the 21st century who are imbued with “key competencies” such as creativity, ethics, and specialized knowledge. These competencies will help them to succeed in the rapidly changing world of AI and IoT.

The program will develop the following two types of leaderships in Pacific Island region.
- Leaders of Integrated management: Leaders who are capable of creating structures for problem solving by integrating multifaceted and complex issues, such as politics, recourses, culture, infrastructure and so on.
- Leaders for Specific Issues: Leaders who are capable of addressing a particular issue by contributing knowledge and skills from their specialized fields to an overall framework.

Taking advantage of characteristics in research and education at our university, as well as academic exchanges with universities in Asia and the Pacific region, the university will provide students with opportunities to learn about issues common to Okinawa Prefecture and the Pacific Island region through this program; including island issues pertaining to economics, the environment and education. The program will also develop global human resources and graduates who can contribute to solving common island region issues.

<table>
<thead>
<tr>
<th>Year</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>COIL participants (Japanese students)</td>
<td>160</td>
<td>640</td>
<td>640</td>
<td>655</td>
<td>665</td>
</tr>
<tr>
<td>COIL participants (International students)</td>
<td>50</td>
<td>190</td>
<td>190</td>
<td>195</td>
<td>200</td>
</tr>
<tr>
<td>Outbound</td>
<td>5</td>
<td>10</td>
<td>12</td>
<td>15</td>
<td>18</td>
</tr>
<tr>
<td>Inbound</td>
<td>5</td>
<td>9</td>
<td>11</td>
<td>11</td>
<td>11</td>
</tr>
</tbody>
</table>
1. FY2018 Progress

【Name of project】(Adopted year: FY2018, (Type A )
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COIL Technology

- Exchange Programs

Student-Mobility

○ Collaborative Learning through COIL in Marshall Islands Exchange Program (short-term)
Under the short-term exchange program, six students visited the Marshall Islands for ten days in March 2019. Students presented their work on “Sustainability in the Pacific Islands” with students of the College of Marshall Islands (CMI). International students at the University of the Ryukyus (RU) also participated in the presentation via COIL. Participants gained skills for global human resources and deepened knowledge about the Pacific Islands through the exchange program.

<table>
<thead>
<tr>
<th></th>
<th>2018 Plan</th>
<th>Results</th>
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</thead>
<tbody>
<tr>
<td>COIL participants (Japanese students)</td>
<td>160</td>
<td>152</td>
</tr>
<tr>
<td>COIL participants (International students)</td>
<td>50</td>
<td>114</td>
</tr>
<tr>
<td>Outbound</td>
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<td>7</td>
</tr>
<tr>
<td>Inbound</td>
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Forming the University Network with Quality Assurance
The University established the “Global Shinryo- (Bridging) Program” which is core part of RU’s Inter-University Exchange Project, and prepared for operations in April 2019. This education program defines: English ability, adaptability to different cultures, Sustainable Development Goals (SDGs) awareness, and collaboration, as key competencies. Two tests, GTEC (R&L) and BEVI (Beliefs, Events, and Values Inventory) are used to evaluate language ability and adaptability. The university is developing a rubric for the remaining competencies.

Promotion of Student-Mobility Environment

○ Hiring of Lecturer and Program Officer
To promote and implement student exchange and COIL programs, a lecturer and a program officer were hired to work on the Inter-University Exchange program.

○ Dispatching Faculty and IT staff to Partnership Universities
To strengthen support and promote exchange programs, fifteen faculty and staff members were dispatched to RU’s thirteen partner universities/colleges in the Pacific Islands.

Internationalization of the university, Information disclosure and Publication of outcome

○ Kick-off Symposia
Two symposia were held, one with the University of Hawai‘i at Mānoa (October, 2018) and another with the University of Guam (February, 2019).

○ Ryu-COIL Pamphlets
Pamphlets (Japanese and English versions) promote student exchange and COIL programs. They are distributed to students and instructors at RU and also to its university partners.

Good Practices

○ Short-Term Exchange Program to the Marshall Islands
Six students participated in 10-day program using COIL and field trips (i.e., waste management plant). Students investigated issues shared by the Pacific Island countries in order to learn about sustainable development.

○ Kick-off Symposia with Partnership Universities
Two kick-off symposia were held with the University of Hawai‘i at Mānoa and with University of Guam (UOG). UOG’s President and President Emeritus gave presentations and discussed fostering global leaders who contribute to sustainable development throughout the Pacific region via COIL and increased student mobility. Students of both universities made presentations via COIL at the symposium with UOG.