

Handong! GEM &! Research! Collaboration! Program

Charmgil Hong / Researcher, Green and Appropriate Tech Research Collaboration Center Haneul Rhee / Student, A Participant in GEM, Handong Global University

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Short! Introduction



Handong! Global! University

- **3rd Ranked** in Overall Rating among Education-Centered Universities in Korea, 2009
- 13 Schools (27 Majors), About 200 Faculties
- Engr Majors: Mechanical, Computer, Electronic, Civil, Bio-Mechatronics
- 3,500+ Undergrad Students, 100+ Grad Students



Handong! Global! University

- Hosting University, **UNITWIN** (University Twinning and Networking), **UNESCO**
- **GEEP** (Global Entrepreneurship Education Program), United Nation & Ministry of Education, Science and Technology, Korea
- **GEP** (Global Engagement Programs), Ministry of Education, Science and Technology, Korea





Handong! GEM! Program



Handong! GEM! Program

- Global Engagement and Mobilization



Handong! GEM! Program

- To Educate Students to Enhance Their Major-Related Capacity by Engaging Their Studies onto the Real-World Problems (Interdisciplinary Design Ability)
- To Train Students to Consider Various Environmental Contexts (Appropriate Technology)
- To Make **Students Experience Improved** by Joining in Out-Reach Programs



Projects! in! Preparation

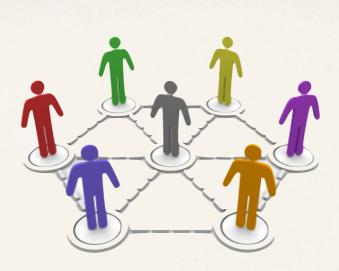
- Alternative Energy Project
- Agricultural Improvement Project
- Resident Environment Improvement Project
- Eco-Toilet Project
- Personal Hygiene / Environment Sanitation Project
- Drinking Water Securing / Filtering Projects



Projects! in! Preparation

- Industrialization and Automation Project
- Information Technology and Education Project
- Business and Marketing with Science
- Local Development Planning Project





Research! Collaboration Details



Works! in! Collaboration

- Joint Research
- Research Resource Sharing (Space, Equipments, Etc.)
- Joint Out-Reach with Research Outcomes
- Faculty / Student Exchanges



Expectation! to! Collaboration

- Research Synergy between Universities
- Research Synergy among Target-Regions
- Increase of Students Potential
- Enhancement in University Diversity





Research! Collaboration with! GEM! Program



Current! Networks





Appropriate Technology Development for Highlanders with Chiang Mai University, Chiang Mai, Thailand



Current! Networks





Sent Two Researchers for Appropriate Technology Development in Africa

(Approaching for the collaboration with Makerere University)



Current! Networks



Sent One Computer Programmer to Peru for Building the Government IT Infrastructures





Projects! in! GEM

(at! Mae! Hae,! Thailand,! 2008-2010)



Project:! Hot! Floor! Heating! System







Project:! Hot! Floor! Heating! System

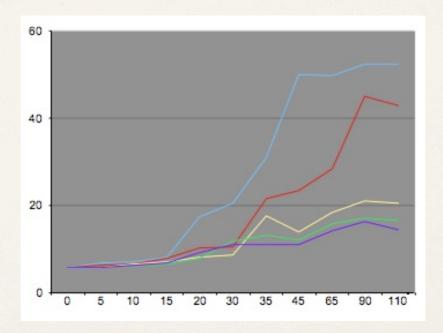








Project: Hot! Floor! Heating! System





Project: Clay! Brick! Development for! House! Building





Project: Clay! Brick! Development for! House! Building







Project: Clay! Brick! Development for! House! Building



유안호스 연결 모습



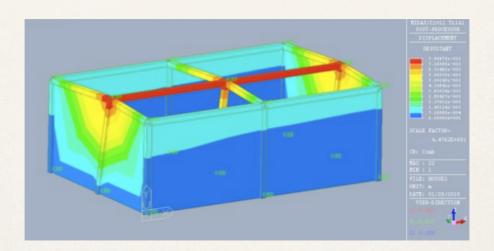
전체 기계 모습



유압 조작 레버



Project: Clay! Brick! Development for! House! Building





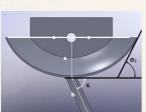
Project:! Persimmon! Sorting! Machine



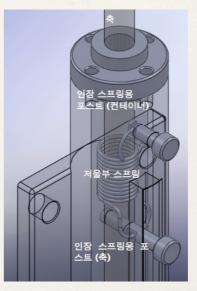


Project:! Persimmon! Sorting! Machine



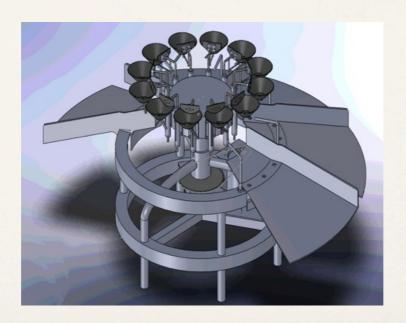








Project:! Persimmon! Sorting! Machine





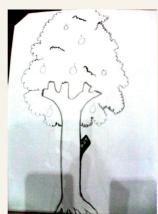
Project: Education! with! Technology





Project:! Psychological! Science! Projects











감사합니다. Thank You.

