The Smart Living Service-Learning Program: Curriculum-based and Interdisciplinary approach

Mei-Hung Wang
Senior Lecturer, National Chiao Tung University
Co-PI of Talent Cultivation Program for Smart Living Industry
We need to change...

- The inner challenges
  - an aged society, low birth rate, global warming, energy shortage, natural disaster ..... 
- The outsider challenges in business and industry
  - the competition from China, Singapore, India, Korea, Brazil...

Change, Change, Change, Change, Change, Change, Change...

A New Education Model is needed!
## Emerging Topics in Education

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**Talent Cultivation Program for Smart Living Industry**
The new education model for Smart Living Industry Service-Learning comes firstly
Education Goals

Integration

Innovation

Social responsibility / New value
Innovation Project-Based Learning Community Service Case Studies Hand-in Cross Disciplinary User-oriented Social Needs Talent Cultivation Program Living Space Culture Health Care Innovation Local Culture Professional courses Senior Project Community Service Cross Disciplinary Service Learning Courses PBL
Topic: Sustainable Smart Living Space

• Aims
  • Human-centered
  • technology as tools
  • sustainability and cultural revolution as aims

• Spaces applied, various scales
  • whole world, country,
  • city, town, community,
  • house, bath room, car....
**Topic: Smart Health and Medical Care**

- **Aims**
  - user-centered
  - User studies, technology usage as tools
  - Smart health and medical services as aims
- **Users applied**
  - Senior citizen,
  - Disadvantaged group,
  - Long distance medical needs
  - ......
Topic: Culturally-oriented Living Technology

- Aims
  - user-centered, community needs,
  - technology as tools
  - Value-aided services as aims
- Fields applied
  - Folk culture, history, arts, people
  - For everyday life, tourism, fun...
  - ......
Interdisciplinary Course Cluster

- 3-4 courses are grouped together
- Linked together around:
  - Common service site
  - Assignments and classroom activities
  - Service-learning projects
Outcomes: 2010-2015

- Application:
  - 124 schools (79%), 831 projects (1247 courses)

- Grant:
  - 70 schools (45%), 213 projects (321 courses)
  - 102 course-clusters, 96 service-learning sites
  - 10,451 students, 340 teachers, 332 TA’s
Two Successful Clusters

- **Taipei Medical University**
  - Chinese History
  - Nutrition
  - Elderly Activity Design
  - Physical Examination

- **Far East University**
  - Life Aesthetics and Museum Narration
  - Navigation Technology for Museum
  - Creative Design and Exhibition
  - Green Consumption