Kyoto Institute of Technology Top Global University - Logic Model

Open-Tech Innovation ～An Initiative for Global, Social and Regional Collaboration～

See **Background** ➡

Inputs

Funding

Running Costs
- Equipment, Facilities
- Education Costs
- Introducing New Systems
- Office Supply Costs

Labor Costs
- Specially Appointed Professors
- Program Coordinators
- International Experts
- Administrative Assistants

Honorariums
- Invited Partner Institution Lecturers
- Judges
- English Language Support
- International Student Support

Travel Costs
- Preparation for Establishing Overseas Offices
- Dispatching Faculty and Administrators Abroad
- Outside Evaluations

Other
- Systems Development and Operating Costs
- Document Translation Commission Costs
- Printing Costs
- Pamphlet Production
- TOEIC Fees

Management Expenses Grants for National Universities
- Equipment Costs: Internet Access and Maintenance
- Labor and Related Costs: Faculty and Administrator Salaries

Governace Reform

Activities

- Implementing Reform Projects for More Effective University Management

Human Resource Enhancements
- Introducing an Annual Salary System and a Tenure Track System
- Commissioning Overseas Top-Ranking Research Units
- Programs Dispatching Faculty and Administrators Abroad
- Training Faculty and Administrators in Intercultural Awareness

Curriculum Enhancements
- Academic Calendar Reform
- Parallel English Curriculum
- English Training Programs
- Student TOEIC
- Speaking Tests
- Global Internships
- Classes Implementing Project-based Learning
- Implementing Cross-disciplinary Integrated Education through Design-thinking
- Establishing Leadership and Business Courses Inclusive of Kyoto's Traditional Applied Arts and Advanced Technology

Campus Enhancements
- Labs that Model Globalization
- Marketing and Advertising in Languages Other Than Japanese
- Establishing a Tech Salon
- Welcoming the Public to Tech Symposia
- Maintaining our Global Commons
- Holding International Exhibitions
- Establishing an International Cultural Education Facility
- Maintaining our Domestic and International Student Living Facilities

Outputs

- Constructing a Dynamic Governance System
- Establishing Key Strategic Organizations
- Increasing Non-Japanese Faculty Numbers
- Upgrading Administrator and Faculty Intercultural Awareness
- Increasing International Student Numbers
- Internationalizing our Research Labs
- Increasing Partner Institution Numbers
- Establishing Joint International Degree Programs
- Increasing Doctoral Student Numbers
- Increasing the number of programs that can be completed without Japanese language proficiency
- Increasing the number of domestic students studying abroad
- Increasing the number of students who meet our second language proficiency standards
- Insuring that our Students Acquire Practical Specialist Knowledge
- Forming Hubs for Technology-Exchange
- Forming Hubs for Cultural Exchange
- Designating Kyoto Traditional Culture, Cutting-edge Technology, and Leadership/Business-related courses as required courses

Short-term Outcomes

Constructing a Tech Leader Training Framework

■ Establishing an Education System that Turns Out Tech Leaders

The three enhancements (personnel, campus environment and curriculum) will enable students to acquire the four skills required of top-level international experts. With specialized knowledge and skills, our tech leaders demonstrate global-level leadership and carry projects to successful outcomes.

[The Four Skills:]
- Expertise
- Leadership
- Foreign Language Proficiency
- Cultural Identity

■ International Network Structure

The three enhancements at left are globalizing our campus and providing a foundation for the inclusion of a wider range of stakeholders. We are pioneering the international hubs below to promote interaction in our research strengths

[Primary Hubs]
- KYOTO Design Lab
- Advanced Insect Research Promotion Hub
- Advanced *Monozukuri* Fiber Research Promotion Hub
- Green Innovation Lab
- New Materials Innovation Lab

■ Global Arms
- Joint Degree Program, Chiang Mai University, Thailand
- Double Degree Programs at Politecnico di Torino and Ca' Foscari University of Venice, Italy
- Cotutelle Program, Universite d'Orleans, France
- Overseas Offices: Thailand, UK, Italy

Mid- and Long-term Outcomes

Increased Public Accessibility Policy

We are:
globalizing through personnel, campus environment and curriculum enhancements; attracting domestic and international human resources; and gaining recognition as a center for open innovation through interaction with diverse human resources.
Our Asian Hubs serve as worldwide researcher networking sites.

Japanese Students and Faculty
Research Units from Outside Japan
Young Top-level Researchers
Corporations in Japan and Abroad
OPEN IT!
Research Curriculum Completed without Leaving Our University
Local high school students
International Students
Domestic and International Industry-Academia Partnerships
Leaders of Japan
Public Servant Salary System
Leaders of Regional Globalization
Human Resources for Global Corporations

Having opened the box and provided accessibility to our resources, we are now training Tech Leaders, experts with multicultural awareness who can identify issues and create solutions. Our alumni have mastered these four skills:

Expertise
Leadership
Foreign Language Proficiency
Cultural Identity

∫ Local ⇔ Global
The World is Composed of Communities
↓
We are turning out human resources who will provide solutions in many communities and regions of the world.

Disseminating Reform Outcomes to Other Universities

We are:
- Promoting our activities at home and abroad through our website and SNS
- Providing learning opportunities through symposia and other public events
- Sharing our speaking test and the discoveries of professors we sent to universities overseas, with other universities through presentations at academic conferences and in conference publications
- Cultivating the cultural identity of students by offering subjects related to Kyoto's traditional applied arts through joint education programs with affiliated universities in Kyoto.

Hubs of Innovation

Supplying Tech Leaders to Production Centers Outside the Kyoto City Limits

Attracting Human Resources to Employment Outside the Kyoto City Limits

Background

- As industries are expanding overseas at an accelerated speed, we have quickened our adoption of an international mindset and of playing a larger role in promoting globalization throughout Kyoto Prefecture.

- 60% of our graduates are employed in Kyoto and adjacent prefectures where they play active roles in manufacturing, set up production bases overseas, conduct joint research and spur development. Taking charge, they bring a global perspective to technological and product development.

Impacts

- ○ Using Research Outcomes to Revitalize Communities and Innovate Positive Social Change
- ○ Driving the globalization of Kyoto and Osaka area companies and communities through Tech Leader activity

- Keeping Kyoto Communities and Businesses on the Path of Globalization
- Forming European, US and Asian networking hubs in our areas of expertise

Other Impact-enabling Measures and Approaches

- Promoting Recurrent Education
- Continuing Center of Community Operations
- Continuing Center of Innovation Operations
- Developing Industry-Academia Collaborative Research and Education
- High School/University Partner Workshops

Building Momentum by Increasing Capital

- Establishing an Industry-Academia-Government Promotion Center that supports the Industry-Academia-Government/Research Connection
- Increasing Funds Available to Kyoto Institute of Technology Foundation Operations
- Revising rules on Industry-Academia Collaboration
- Making rentable facilities available to non-university entities for collaborative research purposes