Basic Management Policy
for
The Graduate School of Engineering
2017 to 2019
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Defining the Future through Engineering:
Powering Social Change with Excellence and Diversity

The University of Tokyo’s Faculty of Engineering played a critical role in the emergence of modern Japan, excelling throughout both the pre-war and post-war eras as a key force in the nation’s miraculous climb to prosperity and excellence. As the sophistication and diversification of social issues continue to expand on a global scale, the problems demanding resolution also continue to transform in dynamic ways.

Against this shifting backdrop, our mission is to effectively convey a vital spirit of creativity geared to pioneer the future in a free and open-minded manner, and to cultivate people capable of bearing this responsibility with unparalleled strength and resolve. Our goal is to make the School of Engineering a solid staging ground for research and education, rich in vitality and courage that encourages young people to develop and excel.

1. Strengthening Engineering Research Prowess as a Driving Force in Value Creation

In the quest to promote internationally excellent research, the School of Engineering will continue to drive advances in fields in which we lead the world on the strength of our achievements, as well as in original realms yet to unfold. We will also vigorously promote cross-discipline integration and social partnerships for the strategic advance of research, as well as address the challenges of new value creation.

(1) Promote globally excellent engineering research
   Offer strategic support to cutting-edge global fields
   Strengthen original realms/fields
Vigorously endorse and support challenging initiatives by young researchers
Promote international joint research endeavors

(2) Expand engineering research to address the challenges of value creation through cross-field integration and social partnerships

Bolster the infrastructure to support diversified engineering research
Pioneer new disciplines through a fusion of humanities and sciences, collaborations in medicine and engineering, and other fruitful cross-discipline integration
Promote research that meets the challenges of value creation by forging fruitful social partnerships

2. Cultivating Professionals Well-Versed in Engineering

We will foster independent initiatives rooted in public perspectives to develop professionals with sound knowledge in engineering fields that take on the challenges of creating new value. To accomplish this, it is vital for us to expand and enrich a diverse range of engineering education programs that cultivate basic strengths, expert knowledge in advanced fields of science and technology, astute insights, high ethical principles, global perspective and other valuable intellectual assets.

(1) Enhance basic skills and cultivate superior expertise

Foster basic thinking skills rooted in sound principles
Cultivate personnel attuned to the quest to map out bold new engineering frontiers
Nurture highly skilled doctoral personnel and promote curriculums fluidly integrating Master’s and doctoral programs
Build up environments to enable students to focus equally on both the quality and quantity of their academics and research

(2) Cultivate global character, ethical awareness and leadership

Enrich educational elements designed to cultivate international character
Develop next-generation leaders through cross-discipline integration and social partnerships
Foster personnel who can effectively address social needs with profound insight and a high ethical perspective that is steeped in consideration for diversity
Promote campus globalization to create environments friendly to overseas researchers and students

3. Promoting Social Partnerships and University-Corporate Relations in Support of Social Change
We will promote social partnerships and university-corporate tie-ups to harvest the plentiful fruits that the university generates as a means to drive social change and innovation.

(1) Promote newly emerging social partnerships and university-corporate relations
   Pursue academic development and new value creation through the power of strong social partnerships and collaborations with the industrial community
   Cultivate individuals that can oversee innovation and encourage entrepreneurial spirit
   Enhance inter-organizational social partnerships and university-corporate tie-up schemes and initiatives

(2) Expand the financial foundation by mobilizing social partnerships, university-corporate relations, research results and other assets
   Build research environments hand-in-hand with acquisitions of large-scale projects in social partnerships and university-corporate relations
   Conceive new business enterprises by tapping into the fruits of research
   Generate and find practical applications for our intellectual property

4. Establish Management that Energizes the Organization and Strengthens Its Financial Foundation
We must build a management system that elevates the energy level in our education and research activities and draws out the maximum potential of each member. To sustain strategic education and research activities over the long term, we need bold efforts to diversify our revenue sources and take
other steps to augment the financial foundation.

(1) Establish organizational management capable of drawing out the maximum potential of each personnel
   - Enhance our teaching collaboration and research environments to secure high-quality time, empowering instructors to focus more keenly on research and education
   - Expand the hiring of young researchers and enrich our support systems with an eye to diversify
   - Cultivate and expand the hiring of personnel able to fluidly support research, education and social partnerships
   - Devise systems distinguished by perceptive evaluations of research and education strengths that also provide motivational incentives
   - Energize organizations through the promotion of diversity

(2) Strengthen our financial foundation to sustain top-level global research and educational activities over the long term
   - Stabilize our medium- to long-term revenue sources in support of diversified research and educational activities
   - Diversify our revenue sources and make efficient use of essential expenditures
   - Strategically earmark resources that are keys to galvanizing research