

The “Future with India” Program: Cutting-Edge Collaborative Research and Advanced Education for Global STEM Leaders



The “Future with India” Program aims to develop global STEM leaders and create an academic bridge by promoting cutting-edge collaborative research and insightful internships between graduate students in India and Japan.

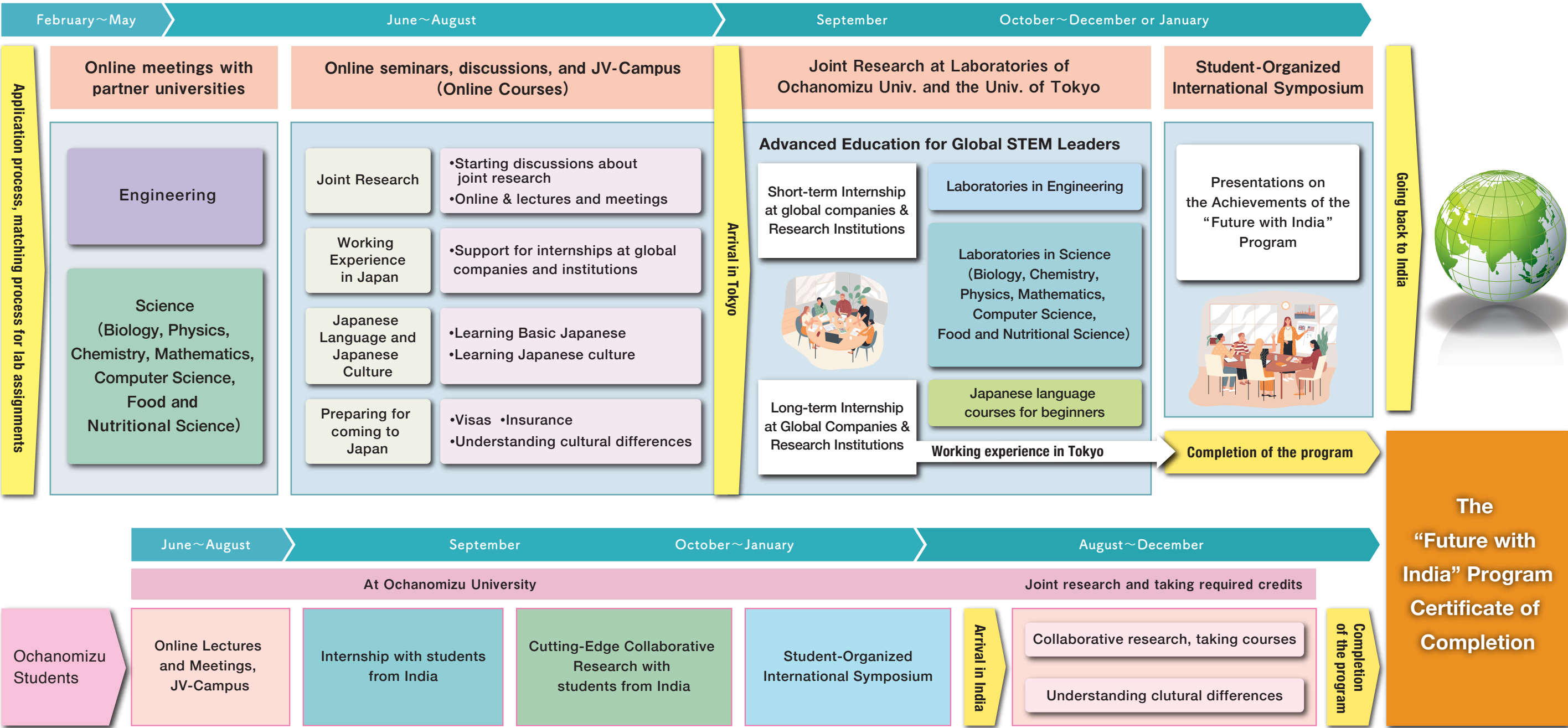
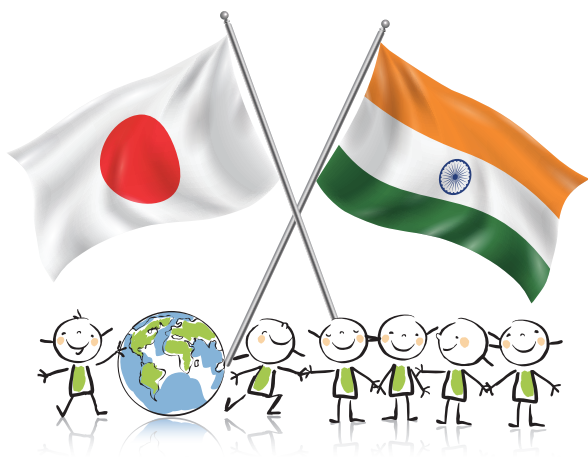


お茶の水女子大学
Ochanomizu University

Future with India:Cutting-Edge Collaborative Research and Advanced Education for Global STEM Leaders (The “Future with India” Program)

The “Future with India” program aims to develop global leaders who will contribute to the advancement of science and technology and to create an academic bridge through graduate education and promote cutting-edge research between India and Japan.

This program welcomes master’s and doctoral students from partner institutions in India. Students will conduct research for five months in laboratories at the Graduate School of Ochanomizu University and the Graduate School of Engineering at the University of Tokyo, in addition to participating in internships at global companies and research institutions.



Introduction of Ochanomizu University

Ochanomizu University was established in 1875 as Japan's first national institution of higher education for women and has a history of 150 years. Throughout these years, the university has forged a path as a leader in women's education in Japan. Many of the graduates have made outstanding achievements in a variety of fields.

Ochanomizu University sets a mission of "being a place where all women motivated to learn can achieve their dreams." Ochanomizu University aims to help all women around the world to pursue their dreams, including women in developing countries who want to study, but are unable to do so. The University has been working to support women and their growth regardless of nationality or age.

In recent years, there has been an unprecedented need for women to play an active role in society. Women are expected to possess a plethora of specialized knowledge and to exercise leadership skills from a global perspective. In addition to conducting advanced cutting-edge research, Ochanomizu University is striving to realize an equitable society and to foster female leaders who can play an active role in our globalizing world.

Ochanomizu University will continue to fulfill its role as a distinct institution of higher education by improving and reforming its education and research, so that all who study at the University can realize their dreams, create a prosperous future, and continuously work to inspire hope in society and the people around them.



Introduction of the Graduate School of Engineering, The University of Tokyo

The University of Tokyo has long served as a cornerstone of Japan's higher education and research landscape. Renowned for its distinguished history and an extensive global network, it continues to foster intellectual advancement and drive progress across a wide range of disciplines.

With its long-standing tradition of excellence, the Graduate School of Engineering has been a key driver of the university's contributions to science and technology. Consisting of 18 departments spanning diverse engineering fields, it actively promotes interdisciplinary research and innovation. Over 35% of its students are international, and the vast majority of its courses are offered in English, cultivating a globally inclusive academic environment. Through rigorous education and cutting-edge research, the Graduate School prepares engineers and scientists to address complex global challenges. Its alumni include Nobel laureates and internationally recognized researchers who have made significant contributions across academia, industry, and society.



Ochanomizu University Specialized Fields of Laboratories in Science

Molecular Spectroscopy
Physical Chemistry of Solids
Medical Chemistry
Organic Structural Chemistry
Electrochemistry
Supramolecular Chemistry
Particle Physics
Soft Matter Physics
Mathematics, Special Functions
Dynamic Systems
Arithmetic Topology
Group Theory
Quantum Computing
Molecular Robotics
Data Engineering
Water Environment Engineering
Urban and Architecture Design
Neurophysiology
Plant Molecular Cell Biology
Bioinformatics
Biogeography
Evolutionary Biology
Exercise and Health Science
Food and Nutritional Science

The University of Tokyo Specialized Fields of Laboratories in Engineering

Protein Engineering
Heterogeneous Catalysis
Bridge Engineering
Biomaterial
Electric and Electronic Engineering
Concrete Engineering

Partner Institutions of the “Future with India” Program



Goal of the Program

This program, titled “The Future with India: Cutting-Edge Collaborative Research and Advanced Education for Global STEM Leaders,” aims to foster global leaders who will contribute to the advancement of science and technology, with a particular focus on empowering women in STEM fields from Japan and India. This program welcomes master’s and doctoral students from partner institutions in India for five months of conducting research in laboratories and internships at global companies and research institutions. This program is a collaboration among the Graduate School of Ochanomizu University, the Graduate School of Engineering at the University of Tokyo and leading Indian partner institutions known for their excellence in science and engineering education. The project brings together top institutions from Japan and India, which are two countries with strong technological foundations and shared aspirations for innovation, to create an academic bridge through advanced education and promote cutting-edge collaborative research.

Schedule of the Program

September : Global Internship at global companies and research institutions

October ~ : Collaborative research in laboratories at the graduate schools

November : Presentations of the Global Internship

December / January : Final Student-Organized International Symposium

Inquiries

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<https://www.cf.ocha.ac.jp/fwip-en/index.html>