

# **Northern Stream of Nanyang Talents - Taipei City ICT Southern Diamond Talent Convergence Plan Scholarship Implementation Plan that Attracts Outstanding Foreign Students to Study and Work in Taiwan Amended\_ on 12 November 2019**

## **I. Origin**

To promote city culture tourisms and educational promotion exchanges, a team led by the mayor has visited the Indian Institute of Technology (Delhi) on March 31, 2017 to conduct exchanges and reach an academic cooperation and student exchange consensus. The Department of Education, Taipei City Government has held several meetings with the central authorities, the Taipei Computer Association (TCA), relevant departments and offices within the Taipei City Government, and six northern universities to explore government-academia-industry cooperation, internships, and talent matchmaking for foreign students in Taiwan. This project initially relied on TCA as an Information and Communication Technology (ICT) platform for traineeships and employment. Eight universities participated in the platform: University of Taipei, National Taiwan University, National Tsing Hua University, National Chiao Tung University, National Taiwan University of Science and Technology, National Taipei University of Technology, Tatung University, and Yuan Ze University. Their undergraduate departments and graduate schools recruit students and use the TCA platform to offer opportunities for internships, traineeships, and employment. The government shall provide full tuition and accommodation subsidies for these students and help with their visa-related matters. The project is set to start in Feb. 2018.

## **II. Plan Objectives**

- (I) Develop the city's high-quality higher education industry and ICT professional personnel training.

The goal is to leverage Taipei's abundant higher-education resources to attract outstanding young students from Malaysia, India, Vietnam, Indonesia, the Philippines, and Thailand as well as ethnic Chinese from those countries to come and obtain their master degrees in Taiwan; to promote Taipei's higher education resources, competitiveness and

internationalization; and retain these talents for Taiwan's ICT-related industry or have them establish factories or offices for Taiwanese companies in their home countries. As critical manpower for Taiwan's industry, they can serve as bridges in these countries that figure prominently in Taiwan's New Southbound Policy and help our companies to expand their reach.

(II) **Expand the Bilateral Student Exchanges and Enhance the International Quality of the Students in this City**

The outstanding students from India and Malaysia come to obtain their master's degrees in Taiwan and interact with the local students to share innovative ideas and concepts; encourage the local students to learn different languages and cultures; and inspire the local students to take on in-depth experiences and entrepreneurship. Through the mutual interaction and cooperation, the foreign and local students are prepared for the future markets and ready to boost the economic strength of Taiwan in the Southeast and Southern Asia.

(III) **Expand the Bilateral Education Cooperation Platform**

The Taiwan Connection plan is organized by the New South-bound National Talent Cultivation Team to promote bilateral institution alliances between Taipei City and higher education institutions.

**III. Time Period :** recruit foreign students each semester, twice a year since February 2018.

**IV. Participating Schools:** Graduate and doctoral students in ICT and structural design-related departments of the National Taiwan University, National Chiao Tung University, National Tsing Hua University, National Taiwan University of Science and Technology, National Taipei University of Technology, University of Taipei, Tatung University, [and Yuan Ze University](#). See Attachment I for a chart of those graduate schools.

**V. Enrollment:** Up to 240 master or doctoral students from ICT and institutional design-related departments in seven schools aforementioned (The universities may recruit students on a semester basis and set their own recruitment quota per semester.)

**VI. Qualifications**

Scholarships are available for students with the following qualifications.

- (I) The major scholarship recipients will be (ethnic Chinese and other) students from India and Malaysia. Scholarship contestants will be recruited from among (ethnic Chinese and other) students from Vietnam, Indonesia, the Philippines, Thailand, etc., in view of the international talent Taiwan needs in the international marketplace.
- (II) Domestic and foreign universities and master degrees recognized by the provisions of the Ministry of Education.
- (III) Those who have excellent academic performance and who are highly interested in ICT-related industries.

**VII. Enrollment procedures:** Enrollment shall be conducted by the various schools according to their procedures. The departments shall formulate their enrollment brochures, which shall specify student qualifications, the documents required, the review procedures, announcements and admission dates, etc.

#### **VIII. Subsidy Program**

- (I) Taipei City Government
  1. Tuition fees: The tuition and sundry subsidy awarded to each student shall be within NT\$80 thousand per academic year. If the government has already provided NT\$80 thousand in subsidy, any insufficient part shall be paid for by the student to his/her school. Sundry subsidy shall not include agency collection or handling, thesis guidance, insurance, accommodation, Internet or other relevant fees that shall be paid for by the students. The maximum scholarship periods are two years for master classes, four years for doctoral classes, but the total scholarship receiving period for each student shall not exceed a cumulative period of five years.
  2. Accommodation allowance: The government will provide NT\$3000 per month per person, and priority shall be given to school dormitories.
- (II) The Outsourcing Unit of Taipei City Government: Match the internship Provides traineeship opportunities (including internship allowances) in collaborating companies during the study period. After verification of the students' degrees at the time of entry into their study program, the implementing units help with employment match-making as well as advice and coaching regarding traineeships and job search, without guarantees of

any kind. They also track and collect employment status data of the students until three years after graduation.

- (III) **ICT-related industries:** This project is initially supported by 14 enterprises: Pegatron Corporation, Compal Electronics, Inc., Delta Electronics, Inc., HTC Corporation, ASUSTek Computer Incorporation, Inventec Corporation, Garmin Corporation, Quanta Computer Inc., Wistron Corporation, Lite-On Technology Corporation, Tatung Company, MiTAC Incorporated, DAIKIN Inc. (Ho Tai Development Co., Ltd.) and Far Eastern Group. These corporations shall provide the internship and job opportunities to the students.

## **IX. Obligations of the Scholarship Receiving Students**

- (I) Students are required to maintain their student status, or the subsidy shall immediately cease during suspension, transfer, or expulsion. Said subsidy qualification may be restored within six months after resumption of school.
- (II) Abide by the national laws and school rules (such as academic rules and attendance standards, etc.). In case of major violations, the government and school shall immediately terminate the subsidy and request for the return of the subsidy already issued.
- (III) Obtain the degree designated during enrollment within the academic schedule established by each school.
- (IV) The students must actively participate in activities such as traineeship match-making, company visits, and job-matching organized by the Taipei City Government or its outsourcing or implementing units.
- (V) Obtain work visa in Taiwan after graduation and within 3 years after graduation, work in an ICT-related company in Taiwan or its overseas office in the scholarship recipient's country for a certain period of time. (Recipients of a scholarship for less than four semesters must serve one year, while recipients of a scholarship for four semesters or more must serve two years.) It's not required for students to participate in the matching service provided by the Outsourcing Unit; students can seek ICT related jobs by themselves in Taiwan.
- (VI) Other obligations shall be established in the "Administrative Contract (Student version) under the Northern Stream of Nanyang Talents - Taipei

City ICT Southern Diamond Talent Convergence Plan “.Schools can establish supplementary explanations in their Administrative Contracts to describe unsettled affairs.

(VII) In the event of a breach of the foregoing obligations during the study period, the student must return the received subsidy to their university within six months, and the university must return the recovered subsidy to the Municipal Treasury within the foregoing period. The universities are requested to recover the allowance from graduated students that do not fulfill their service obligations and return the recovered subsidy to the Municipal Treasury. Subsidy return rates are as follows: Within six months after three years after graduation((months not served)/(months of obligatory service))\*(scholarship amount received during the study period).

#### **X. Outcomes**

- (I) The program will attract outstanding foreign students to come to Taiwan to study and increase the competitiveness and internationalization of higher education in Taiwan.
- (II) The program will embrace outstanding foreign talents into industries in Taiwan, achieve the goal of recruiting talents and retaining talents, and strengthen the competitiveness of industries to expand international markets.

**XI. Funding: The funds required for this project is provided by the Taipei Municipal Government Industrial Development Bureau.**

**XII. The plan is active right after the approval of the Taipei City Government and applies to its amendment.**

**Table of ICT and Institutional Design Related  
Departments for the various Schools**

School	Department
National Taiwan University	Department of Electrical Engineering Department of Information Engineering Institute of Optoelectronic Engineering Institute of Telecommunications Engineering Institute of Electronics Engineering Institute of Information Network and Multimedia Institute of Medical and Electronic Information Department of Civil Engineering Department of Mechanical Engineering Department of Chemical Engineering Department of Engineering Science and Marine Engineering Department of Materials Science and Engineering Institute of Environmental Engineering Institute of Applied Mechanics Institute of Building and Urban/Rural Research Institute of Industrial Engineering Institute of Medical Engineering Institute of Polymer Science and Engineering
National Tsing Hua University	Institute of Electrical and Information Engineering All Engineering Departments All Life Sciences Departments Engineering and Systems Science Departments Department of Health Engineering and Environmental Science Institute of Computing and Modeling Science Department of Art and Design Interdisciplinary International Degree Courses (masters and doctoral)
National Chiao Tung University	Interdisciplinary courses: Electrical Engineering and Computing Systems (EECS) International Degree Course, Optoelectronics Doctorate Degree Course (University System of Taiwan) International Semiconductor Industry Institute Engineering Departments: Mechanical Engineering Department All Electrical Engineering Departments

School	Department
	All Information Engineering Departments All Optoelectronics Departments All Bioscience Technology Departments Management Departments: Information Management Department Humanities and Social Sciences: Institute of Applied Art (industrial design group)
National Taiwan University of Science and Technology	Information Engineering Department (Institute) Information Management Department (Institute) Institute of Automation and Control Institute of Optoelectronics Engineering Electrical Engineering Department (Institute) Electronic Engineering Department (Institute) Design Department-Commercial Design, Industrial Design Department of Chemical Engineering Department of Mechanical Engineering Graduate Institute of Applied Science and Technology Graduate Institute of Biomedical Engineering Graduate Institute of Color & Illumination Technology Department of Materials Science and Engineering Department of Materials Science and Engineering Department of Civil and Construction Engineering
National Taipei University of Technology	Electrical Engineering Department (Master, Doctoral) Electronic Engineering Department (Master, Doctoral) Optoelectronics Engineering Department (Master, Doctoral) Information Engineering Department (Master, Doctoral) College of Electrical Engineering for Foreign Students (Master, Doctoral) Innovative Design Master's Class for the Industrial Design Department <a href="#"><u>International Master Degree Program in Interactive Design and Innovation</u></a> International Master Program in Mechanical and Automation Engineering Graduate Institute of Automation Technology Institute of Mechatronic Engineering Department of Mechanical Engineering International Doctor Program in CMEE
University of Taipei	Department of Information Science Institute of Sports Equipment Technology Research

School	Department
	Department of Exercise and Health Sciences (incl. Master's Program) Institute of Sports Sciences (incl. Ph.D. Program) Department of Earth and Life Sciences (incl. Master's Program) Department of Applied Physics and Chemistry Department of Mathematics
Tatung University	Department of Electrical Engineering Department of Computer Science and Engineering Department of Information Management Department of Mechanical Engineering Department of Materials Engineering Department of Chemical Engineering and Biotechnology Department of Industrial Design Department of Media Design Department of Design Science
Yuan Ze University	Department of Computer Science and Engineering (MSc, PhD) Department of Information Management (MSc, PhD) Information Communication Electrical Engineering Program A (Control Engineering, Digital Technologies, Electronic Engineering (MSc, PhD)) Electrical Engineering Program B (High-Frequency Technologies, Telecommunication Engineering, Artificial Intelligence Informatics (MSc, PhD)) Electrical Engineering Program C (Semiconductors & Green Energy, Optoelectronics, and Optical ICT (MSc, PhD)) Electrical Engineering Artificial Intelligence R&D, Artificial Intelligence Applications (MSc) Mechanical Engineering (MSc, PhD) Chemical Engineering and Materials Science (MSc, PhD) Industrial Engineering (MSc, PhD)



Participating Manufacturers	Job vacancy category and quantity (2018)	Foreign talent needs
<ul style="list-style-type: none"><li>• Pegatron Corporation, Compal Electronics, Delta Electronics, HTC, Asus, Inventec, Elitegroup, Quanta, Wistron, Tatung, MiTAC, Daikin, Far East</li></ul>	<ul style="list-style-type: none"><li>• Software design 543 job vacancies.</li><li>• Circuit design 588 job vacancies.</li><li>• Institutional design 386 job vacancies.</li></ul>	<ul style="list-style-type: none"><li>• 10-15%</li></ul>

❖ MATCHING STATUS IS BASED ON THE STUDENT

PERFORMANCES AND BUSINESS NEEDS FOR THE YEAR

(Information provided by TCA)