

National Science and Technology Council

2026

High-Level Talent Training Program for the Smart Robotics Industry

High-Level Talent Application Guidelines



Organized by :

National Science and Technology Council

Implemented by :

Office of the High Level Industrial Professionals Cultivation Program

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I. Program Description

The National Science and Technology Council (NSTC) promotes the High-Level Talent Training Program for the Smart Robotics Industry to cultivate advanced and interdisciplinary professionals essential for industrial innovation. By selecting leading domestic academic and research institutions as Training Institutions and collaborating with experts from academia, industry, and research, the Program offers one month of intensive pre-employment training for master's and doctoral-level talents aspiring to enter the smart robotics field. The Program equips participants with industry-required core skills and provides job-matching opportunities and on-the-job coaching. By integrating academic and industrial strengths, the Program focuses on developing the core competencies needed to drive the smart robotics industry forward.

II. Applicant Eligibility

(I). Educational Background

Applicants must hold a master's degree or above from a public or private university or independent college, either in Taiwan or overseas, recognized by the Ministry of Education. There is no restriction on nationality. The applicant's field of expertise must align with the needs of the smart robotics industry.

(II). Relevance of Expertise

Relevant expertise refers to possessing an academic background in disciplines related to the smart robotics field (including interdisciplinary programs applicable to key smart robotics technologies), or having been recognized as qualified by a talent selection committee jointly organized by the Training Institution and its Partner Companies as meeting the talent requirements of the smart robotics industry.

(III). Military Service

If an admitted High-Level Talent is a male citizen of military age who has not yet completed mandatory service, they must submit a copy of their draft notice to the Project Office to apply for a training participation certificate. With this certificate, they may apply for a conscription deferment at the household registration office of their local township, city, or district. The deferment period is limited to a maximum of four months (special cases for overseas conscripts may be reviewed on a case-by-case basis).

(IV). Participation limit

Each high-level talent is allowed to participate in this Program only once.

III. Training Courses, Duration, and Approach

(I). Training Courses

The courses are primarily expected to cover core professional competencies such as robotic hardware-software integration, embedded systems development, automatic control and sensing technologies, electromechanical integration applications, human-machine interface design, and testing and verification. In addition, courses may include application-oriented technologies such as Artificial Intelligence and Machine Learning (AI/ML), Collaborative Robots (Cobots), Industrial Internet of Things (IIoT), Edge Computing, Digital Twins, and Machine Vision. The actual course content will be determined and announced by each Training Institution.

(II). Training Duration

The program shall be implemented by NSTC-funded Training Institutions during the year 2026, including both training courses and subsequent employment matching and on-the-job mentoring. The specific training duration will be subject to announcements made by each Training Institution.

(III). Training Approach

Qualified High-Level Talents meeting the eligibility criteria outlined in

Section II must follow the application procedures specified in Section IV to apply for one training batch offered by their preferred Training Institution. Each training batch will span a period of four months and include the following components:

- A. Month 1: Completion of at least 120 hours of pre-employment training, including a minimum of 30 hours of practical courses. If elective courses are offered by the Training Institution, participants may select courses based on their interests and needs.
- B. Months 2–3: Participation in employment-matching activities such as job matching fairs or networking events to facilitate successful placement in relevant industries.
- C. By the end of Month 4: High-Level Talents who secure employment in the industry will receive at least 6 hours of on-the-job practical training.
- D. Throughout the batch duration: Career counseling services will be provided by the Training Institution to support High-Level Talents in enhancing workplace readiness and job competitiveness, thereby increasing their chances of successful employment.

IV. Application Procedure

- (I). Individuals interested in participating in this Program must complete the “Application Form for High-Level Talent in the Smart Robotics Industry” online via the official Program website (<https://www.rise-t.org.tw/>). A hard copy of the “Selection Notice” will be mailed to the applicant by the Project Office.
- (II). The Program website will publish the contact information and training program overview for each Training Institution. Applicants may refer to this information, contact their preferred Training Institution, and submit required documents such as their resume, personal statement, and a copy of their graduation certificate to undergo the first-stage screening (document review).

Those who pass the document review will proceed to the second stage, an interview conducted by the Training Institution. Applicants who pass the interview must submit the hard copy of their “Selection Notice” to the Training Institution to complete the selection process.

- (III). Only High-Level Talents who pass the interview and whose names are published on the Program website by the Project Office will be officially confirmed as selected.
- (IV). Selected High-Level Talents must complete the onboarding procedures as instructed by their respective Training Institutions.



Selection Process Diagram

Stage	Procedure	Responsible Unit
Application	The applicant shall go to the official program website (https://www.rise-t.org.tw/) and complete the “Smart Robotics Industry High-Level Talent Application Form” Once the Program Office verifies eligibility, a physical copy of the “Selection Notice Letter” will be mailed to the applicant.	Program Office
Selection Process	Applicant shall submit required application materials to their preferred or eligible Training Institution according to its regulations. * Application materials may include résumé, autobiography, copy of graduation certificate, etc Participate in Document Review (Stage 1) Passed Participate in Interview (Stage 2) Passed Submit physical copy of “Selection Notice Letter” to Training Institution May apply to another training institution Not passed Not passed	Training Institution
Admission Announcement	The Program Office announces the list of accepted candidates on the official program website.	Program Office
Registration Process	Applicants shall follow the instructions from their assigned Training Institution to complete the registration process.	Training Institution

V. Important Information

- (I). All High-Level Talents are required to participate in the general training sessions organized by the Project Office. Detailed schedules, locations, and course contents will be announced separately on the Program website.
- (II). High-Level Talents must cooperate with the Project Office by completing satisfaction surveys, follow-up questionnaires on employment outcomes after training, and other evaluations. These will serve as references for future program planning.
- (III). During the training period, High-Level Talents must comply with the management regulations of the Training Institution, including attendance records, course discipline, and deliverables. Training Institutions may adopt internal employee training policies for management. Performance in attendance and participation may be provided to Partner Companies during job matching as a reference. If a trainee misses more than one-third of the pre-employment training hours (excluding make-up hours), the Training Institution may suspend subsequent job-matching and career counseling services, and such individuals will be considered as not having completed the training.
- (IV). If a High-Level Talent secures employment or launches a startup during the pre-employment training period and has completed at least 50% of the training hours, it may be recognized as having completed the training under this Program.
- (V). During the pre-employment training period, if a High-Level Talent takes leave due to personal reasons, make-up sessions may be arranged by the Training Institution. However, make-up hours must not exceed 20% of the total course hours. The implementation of the make-up mechanism is subject to the regulations of each Training Institution.
- (VI). If a High-Level Talent experiences difficulties such as poor adjustment,

unsatisfactory learning performance, or misalignment between the training content and their professional background, they should proactively communicate with the Training Institution. The Institution shall also actively provide guidance and support.

(VII). During the training period, if a High-Level Talent is unable to continue participating in the Program due to specific reasons, they shall submit relevant supporting documents (e.g., medical certificate, labor insurance records) to the Training Institution. The Training Institution may also proactively terminate a participant's training under any of the following circumstances:

- A. False information provided in the application or resume;
- B. Serious non-compliance with the management regulations of the Training Institution without justified cause;
- C. The participant has a spouse or a second-degree relative by blood or marriage who is the person-in-charge, director, supervisor, general manager, or other managerial personnel with decision-making authority over candidate selection, at the Training Institution or Partner Company during application or job-matching;
- D. The participant was previously employed by the Partner Company (excluding individuals who were postdoctoral researchers at universities);
- E. The participant has already participated in this Program.

(VIII). Any matters not specified in these Guidelines shall be handled in accordance with the "Operational Guidelines for NSTC Subsidized Research Projects," the "NSTC Regulations for Research Project Expense Management," and other relevant laws and regulations.

VI. Contact Information

(I). Contact Person: Ms. Cheng

(II). Email : rise-t@itri.org.tw

(III). Program Website: : <https://www.rise-t.org.tw/>



Appendix: Application Form for High-Level Talent in the Smart Robotics Industry

Name			National ID No. (for ROC nationals) or Passport No. (for foreign nationals)				
Nationality Nationality	(Not required for ROC nationals)		ARC No.		(Not required for ROC nationals)		
Date of Birth			Gender				
Graduate Degree	Name of University						
	Highest Degree	☐ Master's ☐ Ph.D.					
	Major						
	Graduation Date						
Contact Phone No.			Mobile Phone No.				
Mailing Address	(Selection Notification Letter will be sent here)						
Email Address							
Current Status	☐ Currently enrolled student ☐ Postdoctoral researcher ☐ Employed at a university ☐ Employed in a private company ☐ Employed in a non-profit or research institution ☐ Employed in a government agency ☐ Currently unemployed (unemployment duration, e.g., 6 months): _____ ☐ Other : _____						
Work Experience (including current position))	☐ No ☐ Yes (If applicable, please complete the work experience section below.)						
	Institution	Department	Job Title	Duration of Employment		Full-time / Part-time / Contract-based	Compensation (Average Monthly Salary in NTD)
				Employment Period	Total Duration		
Area of Expertise							
Referral Source	☐ Job Bank (e.g., 104, 1111, etc.) ☐ School or Campus Recruitment Events ☐ Training Institution ☐ Program Website ☐ Friends or Acquaintances (e.g., alumni, classmates, friends, colleagues, etc.) ☐ News Coverage ☐ Other : _____						
Motivation for Participating in this Program							
☐ I hereby certify that all information provided above is true and correct.							