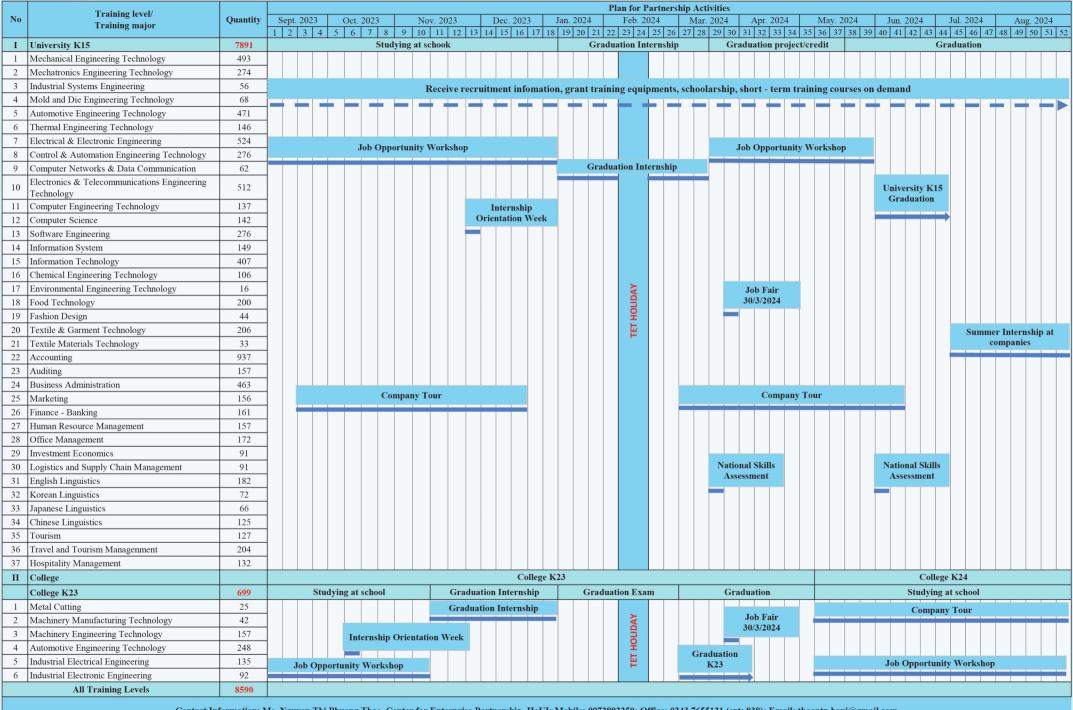# ESTIMATED NUMBER OF GRADUATES AND PLAN FOR PARTNERSHIP ACTIVITIES OF HANOI UNIVERSITY OF INDUSTRY IN 2024

No	Training level/ Training major	Quantity	Plan for Partnership Activities
I	**University K15**	**7891**	Studying at school / Graduation Internship / Graduation project/credit / Graduation
1	Mechanical Engineering Technology	493	
2	Mechatronics Engineering Technology	274	
3	Industrial Systems Engineering	56	Receive recruitment infomation, grant training equipments, schoolarship, short - term training courses on demand
4	Mold and Die Engineering Technology	68	
5	Automotive Engineering Technology	471	
6	Thermal Engineering Technology	146	
7	Electrical & Electronic Engineering	524	Job Opportunity Workshop
8	Control & Automation Engineering Technology	276	
9	Computer Networks & Data Communication	62	Graduation Internship
10	Electronics & Telecommunications Engineering Technology	512	University K15 Graduation
11	Computer Engineering Technology	137	Internship Orientation Week
12	Computer Science	142	
13	Software Engineering	276	
14	Information System	149	
15	Information Technology	407	
16	Chemical Engineering Technology	106	
17	Environmental Engineering Technology	16	Job Fair 30/3/2024
18	Food Technology	200	
19	Fashion Design	44	
20	Textile & Garment Technology	206	Summer Internship at companies
21	Textile Materials Technology	33	
22	Accounting	937	
23	Auditing	157	
24	Business Administration	463	
25	Marketing	156	Company Tour
26	Finance - Banking	161	
27	Human Resource Management	157	
28	Office Management	172	
29	Investment Economics	91	
30	Logistics and Supply Chain Management	91	National Skills Assessment
31	English Linguistics	182	
32	Korean Linguistics	72	
33	Japanese Linguistics	66	
34	Chinese Linguistics	125	
35	Tourism	127	
36	Travel and Tourism Managenment	204	
37	Hospitality Management	132	
II	**College**		College K23 / College K24
	College K23	**699**	Studying at school / Graduation Internship / Graduation Exam / Graduation / Studying at school
1	Metal Cutting	25	Graduation Internship
2	Machinery Manufacturing Technology	42	Company Tour
3	Machinery Engineering Technology	157	Internship Orientation Week
4	Automotive Engineering Technology	248	Job Fair 30/3/2024
5	Industrial Electrical Engineering	135	Graduation K23
6	Industrial Electronic Engineering	92	Job Opportunity Workshop / Job Opportunity Workshop
	All Training Levels	**8590**	

Plan for Partnership Activities — weekly columns:
Sept. 2023 (1 2 3 4), Oct. 2023 (5 6 7 8), Nov. 2023 (9 10 11 12 13), Dec. 2023 (14 15 16 17), Jan. 2024 (18 19 20 21 22), Feb. 2024 (23 24 25 26), Mar. 2024 (27 28 29 30), Apr. 2024 (31 32 33 34), May. 2024 (35 36 37 38 39), Jun. 2024 (40 41 42 43), Jul. 2024 (44 45 46 47), Aug. 2024 (48 49 50 51 52)

TET HOLIDAY

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LIST OF SHORT-TERM TRAINING COURSES

Hanoi University of Industry regularly organizes short-term training courses based on the demand of enterprises.

The training contents include:

A. Mechanical sector	B. Electric/ Electronic sector
☐ Programming and Operating Basic 3-Axis CNC Milling Machines	☐ Basic Electrical Safety Techniques
☐ Programming and Operating a High-End 3-Axis CNC Milling Machines	☐ Basic Electricity
☐ Programming and Operating Basic 5-Axis CNC Milling Machines	☐ Electrical Installation Techniques
☐ Programming and Operating Advanced 5-Axis CNC Milling Machines	☐ Design and Installation of Electrical Cabinets
☐ Programming and Operating Basic CNC Lathes	☐ Basic PLC S7 300/S7 1200 Control
☐ Programming and Operating Advanced CNC Lathes	☐ Advanced S7 300/S7 1200 PLC Control
☐ Programming and Operating 6-Axis CNC Centers	☐ Basic Mitsubishi PLC Control
☐ Product Design in Basic Siemens NX/Solid Edge Environment	☐ Advanced Mitsubishi PLC Control
☐ Product Design in an Advanced NX/Solid Edge Siemens Environment	☐ Pneumatic Control by PLC
☐ Plastic Injection Mold Design in NX Siemens Environment	☐ Inverter Control by PLC
☐ Piping Design in NX Siemens Environment	☐ PLC Applications and Industrial Communication Networks
☐ Sheet Metal Design in the NX Siemens Environment	☐ Basic Distributed Control Systems (DCS) Techniques
☐ 1D Simulation on NX, Simcenter Amesim Siemens	☐ Advanced Distributed Control Systems (DCS) Techniques
☐ 2D Simulation on NX, Simcenter Amesim Siemens	☐ SCADA System Control Techniques in the Power Supply Grid
☐ 3D simulation on NX, Simcenter Amesim Siemens	☐ Industrial Robot Programming Techniques
☐ Basic Finite Element Analysis on SIMCENTER Siemens	☐ Operation and Maintenance of Robots
☐ Simulating Robots on NX Siemens	☐ Robot Control Combined with Vision Technology
☐ Programming and Operating CNC Pulse/Wire Cutters	☐ Design a Measurement and Control System using PIC/STM32 Microcontroller
☐ Operating Conventional Lathe/Milling Machines	☐ PLC Programming and Servo Motor Control
☐ Operating NC. Bending Machines	☐ Design Printed Circuit using CAD Software in Basic Electronics
☐ Operating NC. Punching Machines	☐ Design Printed Circuit using CAD Software in Advanced Electronics
☐ Arc Welding 3G	☐ Design Digital Systems using FPGA and VHDL Basics
☐ Arc Welding 6G	☐ Design Digital Systems using FPGA and VHDL Advanced
☐ TIG/MIG/MAG Welding	☐ Basic Electronic Assembly
☐ Technical Drawing using the 3rd Angle Projection Method	☐ Basic Pneumatic and Hydraulic Controls
☐ Basic AutoCAD and Master CAM	☐ Advanced Pneumatic and Hydraulic Controls
☐ How to use the Measuring tools	☐ Maintenance of Hydraulic and Pneumatic Equipment
☐ Tolerance and Measurement	☐ Technical Operation and Maintenance of Electrical Machines
☐ 3D Measuring Method	☐ Installation and Maintenance of Residential and Commercial Refrigeration Systems
	☐ Repair and Maintenance of Central Air Conditioning Systems
	☐ Repair and Maintenance of Industrial Refrigeration Systems

C. Information technology sector	
☐ Web design	☐ Python Programming
☐ Network Administration	☐ Image Processing and Computer Vision
☐ Web Programming with ASP.NET 4.0	☐ Machine Learning
☐ Web Programming with PHP & MySQL	☐ Deep Learning
☐ MVC Pattern for Web Programming	☐ Data Mining
☐ Android Programming	☐ Data Analysis
☐ IOS Programming	☐ Automation Testing

For further information, please kindly contact: Mr. Tran Minh Duong, Center for Enterprise Partnership, HaUI;
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2024 SKILLS ASSESSMENT INFORMATION

1. Skills assessment plan

No	Content	Level	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Note
I	**National Skill Assessment**														
1	IT (Software Application)	2			x			x			x		x		
		3			x			x			x		x		
2	Industrial Electronics	1			x			x			x		x		
		2			x			x			x		x		
		3			x			x			x		x		
3	Automobile Technology	1			x			x			x		x		
		2			x			x			x		x		
		3			x			x			x		x		
4	Machinery processing on CNC (CNC Turning, CNC Milling)	1			x			x			x		x		
		2			x			x			x		x		Deadline: 14 days before skill assessment date. Time: From 3rd to 26th every month.
		3			x			x			x		x		
5	Turning (Machining)	1			x			x			x		x		
		2			x			x			x		x		
		3			x			x			x		x		
6	Milling (Machining)	1			x			x			x		x		
		2			x			x			x		x		
7	Welding	1			x			x			x		x		
		2			x			x			x		x		
		3			x			x			x		x		
8	Industrial Garment	1			x			x			x		x		
		2			x			x			x		x		
		3			x			x			x		x		
9	Industrial Electronics	1			x			x			x		x		
		2			x			x			x		x		
		3			x			x			x		x		
10	Operation and repair of refrigerating equipment	1			x			x			x		x		
		2			x			x			x		x		
		3			x			x			x		x		
II	**Test of skill level, level – upgrading exam**		Organize skill assessment based on enterprises need												

2. Registration documents

- Registration form Annex 06 of Circular 19/2016/TT-BLĐTBXH)

- Photocopy of Identification /Passport *(Issued since 01/01/2011)*

- Photocopy of degree or other evidences as requested by the registration form (Only applied for Level 2, Level 3)

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Project for Strengthening TOT Functions at Hanoi University of Industry (HaUI) (HaUI-JICA Project)

The Project aims at strengthening training of trainers (TOT) for industrialization in Vietnam. In cooperation with agencies, the Project will support HaUI to: (i) transfer vocational training model of Japanese standardard to HaUI, (ii) conduct skills test for labour; (iii) cooperate with Hanoi Technique and Technology Vocational College (TTC) and College of Technology II (HVCT) in sharing knowledge and know-how for other vocationcal training institutions.

1. OVERVIEW OF HANOI UNIVERSITY OF INDUSTRY

✓ Has a history more than 125 years since 1898. It was originally established based on Hanoi Vocational School and Hai Phong Vocational School.

✓ Provides various training courses at many levels and fields including College (2,5 years), University (4 years), Master's degree and Ph.D Programs.

✓ Has total number of more than 30.000 students; 1.700 lecturers and staffs working.

✓ Has 3 campuses with total area of nearly 50 ha. Its first and second campus are at Hanoi city with 5ha in area for each. The third is located in Hanam province with 40ha in area.

2. TECHNICAL PROJECT - PHASE 1

✓ Duration: from April 2000 to March 2005.

✓ Objective: to establish vocational secondary courses in the field of machinery processing, electric control and sheet-metal processing at Japanese standard.

✓ Input: long-term and short-term experts; training courses in Japan; equipment such as milling machines, turning machines, a machining center, etc.

✓ Sponsored budget: about 1 billion JPY.

✓ Results: has continued as Vietnam Japan Center (VJC) after the Project with training of more than 500 students every year which are highly evaluated by many Japanese enterprises.

3. TECHNICAL PROJECT - PHASE 2

✓ Duration: from January 2010 to January 2013.

✓ Objective: to assist HaUI to develop the management system to upgrade its training and educational programs based on industry needs.

✓ Input: long-term and short-term experts; training courses in Japan; equipment such as tools for machinery maintenances, parts for simulators, machining centers, etc.

✓ Sponsored budget: about 200 million JPY.

✓ Results: (i) develop and implement courses and curriculum based on needs of enterprises; (ii) implement pilot skill testing system; and (iii) develop the employment support system.

3. TECHNICAL PROJECT - PHASE 3

✓ Duration: from June 2013 to March 2017.

✓ Objective: to train and upgrade knowledge and skills for teachers and lecturers of Hanoi University of Industry.

✓ Input: long-term and short-term experts; training courses in Japan; equipment.

✓ Sponsored budget: about 200 million JPY.

✓ Results: cooperate with training institutions under agencies to disseminate knowledge, techniques and know-how for vocational education and training institutions (TVET).