

No.: 259/TB-VKIST

Hanoi, August 6th 2021

BẢN DỊCH

ANNOUNCEMENT

The 3rd public servant recruitment in 2021

Pursuant to Decision No. 764 / QĐ-BKHCHN dated April 5, 2021 of the Minister of the Ministry of Science and Technology on assigning the number of employees and labor contracts to the Vietnam - Korea Institute of Science and Technology (VKIST) in 2021, VKIST announced the 1st public servant recruitment in 2021 as follows:

I. Job position and recruitment number

1. Total quantity for recruitment: 25 public servants corresponding to 15 job positions
2. Positions:

R&D			
No	Division	Position	Quantity
1	Biomedical Engineering	Researcher on Biomedical engineering (<i>mid-tier</i>)	1
2	Food Processing Technology	Researcher on Food Processing Technology (<i>mid-tier</i>)	1
3	Advance Materials and Device	Researcher on Advance materials and device (<i>mid-tier</i>)	1
4	Information Technology	Researcher on Information technology (Software) (<i>junior</i>)	3
5		Researcher on Information technology (Hardware) (<i>junior</i>)	3
6	Electronics	Researcher on Electronics (<i>mid-tier</i>)	2
7		Researcher on Electronics (<i>junior</i>)	3
8		Researcher on Mechanical design (<i>mid-tier</i>)	1
9	Biotechnology	Researcher on Biotechnology (<i>junior</i>)	2

R&D			
No	Division	Position	Quantity
10	IT-BT Convergence Technology	Researcher on Biotechnology (Mid-tier)	1
11		Researcher on Biosensor technology (Mid-tier)	1
12		Researcher on Biotechnology (junior)	1
13		Researcher on Electronic and Telecommunication (junior)	1
14		Researcher on Biomedical Engineering (junior)	1
15		Researcher on Advanced Materials Sciences (junior)	3
Total			25

II. Conditions for applicants

a) People who fully meet the following conditions are qualified to apply:

- Have full civil act capacity
- Submit Public servant application form
- Have clear personal background
- Fully submit authentic copies of degrees, academic transcripts and certificates following specific job requirements
- Healthy enough to do the job
- Meet other conditions required by the job position

b) The following people are unqualified to apply:

- Loss of civil act capacity or limited capacity for civil acts;
- Being examined for penal liability; Currently serving a criminal judgment or decision of the Court; Being subject to administrative handling measures and sent to medical treatment establishments, educational establishments or reformatory schools.

c) Jobs requirements: Appendix 1: Job description – Researchers

III. Application document

Each candidate is only allowed to register for one job position and fully responsible for their application. Those who apply for 02 or more positions or provide

deceiving information will be turned down immediately or their recruitment results will be made void.

1. Application documents

No.	List of documents	Remarks
1	Application form	According to the form specified in the Government's Decree No. 115/2020 / ND-CP dated September 25, 2020
2	VKIST application form	
3	Certificate of all academic degree (Bachelor's, Master's and Doctorate)	One authentic copy of each certificate
4	Academic transcripts for all acquired degrees	One authentic copy of each transcript
5	English proficiency IELTS > 5.5 or TOEIC > 625	One authentic copy of each certificate
6	Professional accomplishments; scientific publications, patents and intellectual property and/or technology application.	One authentic copy of each document
Submitted documents <u>will not</u> be returned to applicants whatsoever.		

2. Deadline, method for application

a. **Deadline:** From August 6 – September 5, 2021

b. **Application method:** Applicants submit **both** hard copies and soft copies

c. **Application receipt**

- Soft copies: via email hr.vkist@gmail.com

- Hard copies:

Address 1: Room 304, 113 Tran Duy Hung, Cau Giay, Hanoi, Vietnam, or

Address 2: VKIST, Hoa Lac Hi-tech Park, Km29 Thang Long Boulevard,

Hanoi, Vietnam

IV. Recruitment method and process

- **Method:** recruitment by selection

- **Process:** As below

Round 1: Document evaluation

Round 2: Interview

- **Interview location:** MOST office: 113 Tran Duy Hung, Cau Giay, Hanoi; *or* Hoa Lac office: Km29, Thang Long Boulevard, Hanoi

V. Benefits

- Personal empowerment, important responsibilities, and the best R&D infrastructure/environment in the nation.
- Competitive salary with additional incentives and fringe benefits in line with global standards.
- Opportunities to learn and improve professional knowledge and skills through domestic and foreign training programs;
- Opportunities to connect and cooperate deeply with leading laboratories and businesses in the region.

VI. Starting date and work location

- **Starting date (tentative):** October 2021 (can be discussed)
- **Work location:** VKIST, Hoa Lac Hi-tech Park, Km 29 Thang Long Boulevard, Hanoi, Vietnam.

**Contact details: Vietnam–Korea Institute of Science and Technology
Hoa Lac Hi-tech Park, Km 29 Thang Long Boulevard, Hanoi,
Vietnam.**

Attn: Ms. Kieu Thi Khuyen – HR Staff

E-mail: hr.vkist@gmail.com Tel: 0399931192 (call, sms, zalo)

Recipients:

- DOP (to report);
- Portal of MOST (to announce);
- Website of VKIST (to announce);
- Relevant organizations;
- Archives.

PRESIDENT*(signed)***Kum Dongwha**



VKIST the 3rd recruitment in 2021
APPENDIX 1: Job description – Researchers

General requirements:

English proficiency: IELTS 5.5 or TOEIC 625 or higher.

Exempt from English certificates:

- Have a university or postgraduate diploma in English language;
- Have a university or postgraduate diploma in an English-speaking country;
- Graduated from university, graduate at an English-language training institution in Vietnam.

Specific jobs' requirements:

No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
Biomedical Engineering Division				
1	Researcher on Biomedical engineering (<i>mid-tier</i>)	1	Carry out research on Biomechanics; Biomaterials Biomedical sensors Medical imaging & Medical devices Biomedical equipment development	<ul style="list-style-type: none"> • Majors: <ul style="list-style-type: none"> - Medical engineering - Mechanical engineering - Applied Physics - Chemical engineering - Medical physics • Degrees: Bachelor's, Master's or Doctorate degrees

No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
				<ul style="list-style-type: none"> • Experience: At least five (05) years of R&D experience in related field after the highest degree, or equivalent experience in technology development for enterprises
Food Processing Technology Division				
2	Researcher on Food Processing Technology (<i>mid-tier</i>)	1	Carry out research on Food product development: Food safety and hygiene Food processing technology	<ul style="list-style-type: none"> • Majors: <ul style="list-style-type: none"> - Food Engineering - Food Science - Biology & Nutrition - Food chemistry & Processing • Degrees: Bachelor's, Master's or Doctorate degrees • Experience: At least five (05) years of R&D experience in related field after the highest degree, or equivalent experience in technology development for enterprises
Advance Materials and Device Division				

No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
3	Researcher on Advance materials and device (<i>mid-tier</i>)	1	Carry out research on - Device physics - Circuit design - Material processing, functional materials - Thin/thick film technology - Advanced material characterization	<ul style="list-style-type: none"> • Majors: - Solid state physics - Material sciences - Mechanical engineering • Degrees: Bachelor's, Master's or Doctorate degrees • Experience: At least five (05) years of R&D experience in related field after the highest degree, or equivalent experience in technology development for enterprises
Information Technology Division				
4	Researcher on Information technology (Software) (<i>junior</i>)	3	- Research and develop image processing and analysis algorithms, focusing on face image data and three-dimensional human face models - Deploy analysis and image processing technologies for practical applications	<ul style="list-style-type: none"> • Majors: - Information Technology, - Electronics and Telecommunications, - Computer Science or related majors; • Degrees: Bachelor's degree or higher, graduated with good or higher standing;

No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
				<ul style="list-style-type: none"> • Experience: <ul style="list-style-type: none"> - Having programming skills in one of the languages Python, Java, C/C++, .Net, Matlab, Javascript, HTML; - Experience in working/researching in image processing, face image analysis, three-dimensional face modeling; • Prioritized: <ul style="list-style-type: none"> - Master's degree or Doctorate in Information Technology or Electronics and Telecommunications; - Experience in developing software programs on Tensorflow, Caffe, Pytorch, OpenCV...
5	Researcher on Information technology (Hardware) (<i>junior</i>)	3	<ul style="list-style-type: none"> - Operate a Hemisphere multi-camera system, collecting face image data - Participate in the Image Processing Project and other applied scientific research projects 	<ul style="list-style-type: none"> • Majors: <ul style="list-style-type: none"> - Physics (Optics) - Mechanical Engineering, - Mechatronics, - Information Technology, - Electronics and Telecommunications,

No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
			- Research on the multi-camera multi-synchronous photography system and propose system improvements (adding a camera in the back of the neck, controlling the light source, designing the appropriate shooting angle position ...)	- Computer Science or related majors; <ul style="list-style-type: none"> • Degrees: Bachelor's degree or higher • Experience: Experience in researching and deploying optical-based systems, synchronous camera systems • Prioritized: Experience and knowledge in one of the programming languages Python, Java, C/C++, .Net
Electronics Division				
6	Researcher on Electronics (<i>mid-tier</i>)	2	- Design of power circuits for power electronic systems. - Research and design CPU boards for control and signal processing. - Design Analog and Digital hardware boards for control and signal processing.;	<ul style="list-style-type: none"> • Majors: related to Electronics • Degrees: Bachelor's degree or higher; • Experience: <ul style="list-style-type: none"> - Have experience in similar positions at prestigious companies and organizations domestically or overseas; - Have at least 03 years of experience in hardware design;

No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
			<ul style="list-style-type: none"> - Design Drive boards that control the power semiconductor IGBT, MOSFET, SIC, etc. - Design embedded system for electric car charging station control, self-propelled robot and electric motor control - Design small power boards; - Make requirements and methods of measuring and testing the boards. 	<ul style="list-style-type: none"> - Have in-depth knowledge about IC/LSI, Functional IC, Memory IC, Complex IC, basic communication protocols, highspeed communication IC, wireless technology; - Experience in embedded system design; - Proficient in circuit design software and simulation design software.
7	Researcher on Electronics (<i>junior</i>)	3	<ul style="list-style-type: none"> - Research and design power electronics system and control algorithm for motor control; - Research and design power electronic system and control algorithm for charging station and renewable energy; - Research to design the controller (CPU) and signal processing circuits in measurement and control; 	<ul style="list-style-type: none"> • Majors: <ul style="list-style-type: none"> - Electrical - Electronics - Control - Automation - Information technology • Degrees: Bachelor's degree or higher, graduated with a good or higher standing. • Experience: not required

No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
			<ul style="list-style-type: none"> - Research and design electric motors; - Research and develop self-propelled robot 	
8	Researcher on Mechanical design (<i>mid-tier</i>)	1	<ul style="list-style-type: none"> - Design 2D/3D mechanical details and systems; - Design and disassemble machining drawings; - Structural calculation, motion simulation, force analysis, technical documentation; - Analyze, propose detailed design solutions and implement a full design for a product: design solutions, processing technology, division and separation of items or modules constituting the product. - Train the team's staff, evaluate the team's employees monthly, quarterly and annually. - Organize the implementation, divide the work according to the sub-module 	<ul style="list-style-type: none"> • Majors: <ul style="list-style-type: none"> - Mechanical Engineering, - Mechatronics or related majors; • Degrees: Bachelor's degree or higher • Experience: <ul style="list-style-type: none"> - Have at least 05 years of experience in directly engaged in product manufacturing or in product design team; - Be able to research, complete mechanical design for a product; - Proficient in the technology of processing and manufacturing mechanical parts; - Understand drawing standards according to ISO, JIS; - Have knowledge and experience in: Materials, manufacturing

No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
			components, separate details for a group of engineers with design experience; - Make suggestions on training and improvement of the work of the team; - Be responsible to the Head of Department for the work of the group;	tolerances, machine details, machine principles, material strength; - Proficient in using 3D and 2D CAD software specializing in mechanical design, simulation software; • Prioritized: - Experience in managing teams of 5 or more people - Able to read and understand technical documents and communicate in Japanese or English.
Biotechnology Division				
9	Researcher on Biotechnology (<i>junior</i>)	2	Research fields: • Pharmacology: study on pharmacological and toxicological effects of herbs and herbal products by in vivo models. • Food science, Pharmaceutics and Pharmaceutical technology: - Develop herbal products and manufacturing processes.	• Majors: - Pharmacology. - Food Science - Herbal Analysis and Standardization - Pharmaceutical Industry and Pharmaceutics • Degrees: Bachelor's, master's or doctorate degree

No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
			- Establish quality standards for ingredients and finished products of herbal origin.	<ul style="list-style-type: none"> • Prioritized: Have experience in related field
IT-BT Convergence Technology Division				
10	Researcher on Biotechnology (Mid-tier)	01	<ul style="list-style-type: none"> - Work with living cells or using molecules derived from them for applications-oriented toward human well-being - Validate potential biomarkers as diagnosis, therapeutic candidates - Analyze organic compounds in water, working air; organic compounds and their metabolism 	<ul style="list-style-type: none"> • Majors: Biochemistry (cell biology, enzyme and protein technology, immunology) • Degrees: Doctorate degree • Experience: <ul style="list-style-type: none"> - More than five (05) years of R&D experience in the biochemistry field - Have experience as a project leader • Prioritized: Industrial experience
11	Researcher on Biosensor technology (Mid-tier)	01	Research and development of new sensor platforms for the detection and diagnosis of diseases	<ul style="list-style-type: none"> • Majors: Biosensor technology • Degrees: Doctorate degree • Experience: <ul style="list-style-type: none"> - More than five (05) years of R&D experience in the biochemistry field

No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
				<ul style="list-style-type: none"> - Have experience as a project leader • Prioritized: Industrial experience
12	Researcher on Biotechnology (<i>junior</i>)	01	<ul style="list-style-type: none"> - Work with living cells or using molecules derived from them for applications-oriented toward human well-being - Validate potential biomarkers as diagnosis, therapeutic candidates - Analyze organic compounds in water, working air; organic compounds and their metabolism 	<ul style="list-style-type: none"> • Majors: biochemistry (cell biology, enzyme and protein technology, immunology) • Degrees: Bachelor's degree or higher
13	Researcher on Electronic and Telecommunication (<i>junior</i>)	01	<ul style="list-style-type: none"> - Design the controller and signal processing circuits. - Research the algorithm and programming microcontroller for signal processing - Program data acquisition and analysis using C#, python and so on 	<ul style="list-style-type: none"> • Majors: <ul style="list-style-type: none"> - Electrical - Electronics • Degrees: Bachelor's degree or higher



No.	R&D Field	Quantity	Job description	
			Job description	Job requirements
14	Researcher on Biomedical Engineering (<i>junior</i>)	01	<ul style="list-style-type: none">- Design and fabrication of biomedical sensors, devices, and biological measurement systems- Research and development of new devices and equipment for improving human health	<ul style="list-style-type: none">• Majors:<ul style="list-style-type: none">- Biomedical engineering- Diagnostic imaging• Degrees: Bachelor degree or higher
15	Researcher on Advanced Materials Sciences (<i>junior</i>)	03	<ul style="list-style-type: none">- Fabrication of magnetic materials and nanotechnology- Having capability to build the process for material processing	<ul style="list-style-type: none">• Majors:<ul style="list-style-type: none">- Material Science and Nano technology- Chemistry- Physics• Degrees: Bachelor degree or higher