NCS-Based KAIST Job Description - Research (Post-Doc)

Recruitment	*Research		대분류	중분류	소분류	세분류	
area	(Post-Doc)	분류체계	19. Electrical·	03. Electronic	06. Semiconductor	04. Semiconductor	
	(I USE DUC)		Engineering	device development	development	material	
Mission	 Korea Advanced Institute of Science and Technology (KAIST) Act Educating outstanding talent proficient in theory and practice as required in the fields of science and technology for industrial development Carrying out the nation's mid- and long-term R&D, and basic and applied research to foster national competitiveness in science and technology Providing comprehensive support to research conducted by other research centers and industries 						
KAIST's major business	 Education: Fostering creative talent, strengthening convergence education, nurturing global leaders in science and technology, strengthening human resource capacity Research: Support for development of outstanding research projects, acquisition of specialized researchers, advancement of entrepreneurial culture, creation of high value-added intellectual property rights, promotion of technology transfer/commercialization, and development of large-scale, leading projects Cooperation: Creating a working environment to be at par with global standards, and multifaceted cooperation for global leadership Administration: Provision of administrative and technical service for international students/faculty (Support for operation of a "Korean-English bilingual campus") 						
Growth engines	 Vision: Global Value-Creative World-Leading University Hub for Fostering Knowledge Creation and Global Convergence Talents Center for the World-Leading New Knowledge and Technology) Five innovation initiatives : Innovation in education, research, technology commercialization, globalization and future strategies 3C Leadership: Change, Communication, Care 						
Duties and	○ Next-generation semiconductors synthesis						
responsibility	○ High-performance optoelectronic devices fabrication						
Job	○ Synthesis of hybrid perovskite nanoparticles						
performance	\odot Fabrication of light emitting diodes, PVs, thermoelectric devices						
details	\bigcirc Photophysical characterization of next-generation semiconductors						
Knowledge	⊖ Chemist	ry, materia	ls science, chemic	al engineering			
required		al engineer	ing				
Required skills	 Character Counting 	erization of	new materials (U R spectrometer, G	rovsite nanoparticle V-Visible, Fluorime GC, Cyclic voltametr	ter, Time Correlat	ed Single Photon	
Attitude while performing duties	 Attitude to explore new technical knowledge, active working attitude Responsible attitude to get the job done to the end Active participation in team-level research and task performance based on experience An attitude to harmonize and collaborate with members of the organization Observant to principles, clean and fair handling of tasks 					d on experience	
Basic skills	communic	ation skills	, mathematical sk	ills, problem-solvir	ng skills, interpers	onal skills,	

	technical skills, organizational skills, understanding skills, professional ethics				
Reference					
site	www.ncs.go.kr, www.kaist.ac.kr				