Job Title			E	Research Associate - mbedded System Engineer	
No. of Positions				01	
School/Institute/Centre				SINES	
1		Purpose of Position			
	The Embedded System Engineer shall be responsible to design and use embedded and power sub-systems for the overall radar system. The primary task of embedded design engineer is to map control and signal processing functions of radar on different hardware platforms. This includes knowledge of different processing platforms including FPGAs, embedded GPUs, DSPs.				
2	Functions/Duties (Key Responsibilities)				
	 Embedded System Engineer should be able to: Extract control and processing platform requirements Hardware-software partitioning Work with FPGAs, microcontrollers, embedded GPUs, edge compute devices Map control, signal processing and AI modules on software and hardware Design embedded and power module circuits Integrate and test the designed modules with other sub-systems 				
3	Requirements				
		Essential		Desired	
Qualifications		Bachelors in Electronics/Electrical Engineering or relevant field with experience from HEC recognized institution		Master's degree in EE or relevant field with experience in Radar	
Experience		Min 1 year in simi	lar role	2 years experience in Embedded Systems and/or Power Electronics	
Knowledge/ Skills/Abilities/ Competencies		 Digital system design using FPGAs (Verilog/VHDL) Microcontrollers software development and testing skills Power Electronics software and testing skills Circuit designing skills Intellectually curious, should be a quick learner and not hesitant to try new tools Report writing skills Able to use test equipment/instruments 			
		Able to communicate with other team members			

Please email your resume to rrl@sines.nust.edu.pk only if you fulfil the criteria mentioned above with job title "Embedded System Engineer" in the subject field by 07th January 2025.

How to Apply

4

Job Title			Task based Resource / Technician		
No. of Positions			01		
School/Institute/Centre			SINES		
1		Purpose of Position			
	The Embedded System Engineer shall be responsible to design and use embedded and power sub-systems for the overall radar system. The primary task of embedded design engineer is to map control and signal processing functions of radar on different hardware platforms. This includes knowledge of different processing platforms including FPGAs, embedded GPUs, DSPs.				
2		Functions/Duties (Key Responsibilities)			
	 Embedded System Engineer should be able to: Extract control and processing platform requirements Hardware-software partitioning Work with FPGAs, microcontrollers, embedded GPUs, edge compute devices Map control, signal processing and AI modules on software and hardware Design embedded and power module circuits Integrate and test the designed modules with other sub-systems 				
3	Requirements				
			Essential		
Qualifications		FSc / ICS			
Knowledge/ Skills/Abilities/ Competencies		 Min 1 year in similar role Basic Computer Proficiency Ability to operate computers, use web browsers, and work with annotation tools or software efficiently. Familiarity with basic file management (uploading, saving, organizing). Knowledge of Image Annotation Tools Experience with popular annotation tools like LabelImg, CVAT, RectLabel, Supervisely, or other in-house tools. Understanding of different annotation methods: Bounding boxes Polygons Semantic segmentation Keypoints Object masking Ability to identify blurry, incomplete, or inconsistent data/images 			
4	and flag them for review. How to Apply				
51			anly if you fulfil the evitoria montioned above with		

Please email your resume to rrl@sines.nust.edu.pk only if you fulfil the criteria mentioned above with job title "Embedded System Engineer" in the subject field by 07th January 2025.