

Job Description			
Job Title	Engg-SW design – Embedded Linux Systems – D&D	Job Code	DND081-EL
Department	D&D		
Location	Noida		
Job Summary	Responsible for low level design implementation, coding, module test case preparation, module testing and module test report preparation. Will also assist validation team in preparing negative/positive test cases to be executed during product validation.		
Working Relationships	Reporting to: Team Lead-Software, Senior Engg-Software		
	Responsible for managing : None		
	Other Key Relationships: a) Interacting with HW Team for matters related to software implementation, module understanding, ckt understanding, module testing and documentation related to board preparation. b) Interacting with validation team for initial board preparation training, assisting on positive and negative test case preparation. c) Interacting with SW-QA team for matters related to SW-QA compliances.		
Functions & Responsibilities	a) Low level SW design document preparation. b) Coding of low level software modules as per SW design guidelines. c) Following the rule set prepared for coding, commenting of the software modules. d) Preparation and execution of module test cases and report preparation e) Device driver coding f) Creation of simulation for interface testing. g) Assist in preparing the HW team in board preparation document h) Assist validation team in positive test, negative test cases preparation and initial SW training.		
Requirements	a) M. Tech/B.E./B. Tech (Electrical/Electronics/CS) (60% and above in any 2 semesters of engineering and 80% and above in any of 10th or 12th Std board exams) b) Minimum 1 years of experience in Embedded Linux based application design c) Understanding of embedded Linux systems and softwares d) Proficiency in 'C' and 'C++' – Trained from training institute or prior experience e) Proficiency in processor/micro-controller, interfaces and control. f) Knowledge of various system buses, communication protocols and programming for them. g) Hands-on of programming for GPIO, SPI/I2C, UART, CAN buses etc. h) Understanding of Linux/Unix or other similar operating systems i) Understanding of driver interfacing with the Emb linux application j) Device driver implementation experience k) Basic knowledge software design life cycle.		

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	l) Basic knowledge of networking protocols, general protocols, system buses and interfaces m) Basic knowledge of higher level languages such as JRE,PHP etc
Job posting requirements	Recruitment for this position shall be carried out through campus Embedded system training institutes, engineer consulting firm, online job posting sites.