

Job Title: Senior Embedded Design Engineer			
Business Unit:	Piramal Sarvajal	Domain:	Social Enterprise
Location:	Ahmedabad	Band/Grade:	1C
Department:	Research and Development	Last updated on:	16-04-2018
		Degree of Travel required to:	Low
Purpose of Job	Embedded Engineer will work with R&D team on devices meant for remote monitoring. He would be responsible for hardware & firmware development for embedded system & IoT devices.		
Key stakeholders	External		Internal
	None		Management, R&D ,Operation ,Production ,Supply Chain
Reporting structure	Role directly reports to		Positions that report into this role
	Head- R&D,		None
Essential Qualifications	B.E/B.Tech in Electronics/ Electricals Engineering with 4 years of experience in embedded design field		
Essential Experience	<ul style="list-style-type: none"> • Experience in working with 8-16-32 bits Micro-controller & its peripherals • 3 years of working experience in programming using C/C++ language, with strong debugging skills. • Working knowledge of peripherals of microcontroller like GSM/GPRS,MQTT,OPC,MODBUS,CANBUS • Proficient in Analog & Digital hardware design experience for micro controller based system • Experience in analog design, PCB design, circuit layout design & hands on experience in interfacing different analog sensors to digital system. 		
Competencies	<ul style="list-style-type: none"> • Competent in working in GSM/GPRS,MQTT,OPC,MODBUS,CANBUS, its familiarity and application with PIC microcontroller • Interfacing different type of sensor to microcontroller like TDS[water], temperature, bacterial & pH sensor will be preferred & added advantage • Ability to work Individually & in team • Good soft skills – especially English speaking, communication skills & presentation skills. 		
Decision Making Control	In Consultation with Head –Research and Development		
Values			
Knowledge	<ul style="list-style-type: none"> • Expertise – we strive for a deeper understanding of our domain • Innovation – we aspire to do things creatively. 		
Action	<ul style="list-style-type: none"> • Entrepreneurship – we are empowered to act decisively and create value • Integrity – we are consistent in our thoughts, speech and action 		
Care	<ul style="list-style-type: none"> • Trusteeship – we protect the interests of our customers, community, employees, partners and shareholders • Humility – we aspire to be the best, yet strive to be humble. 		

Impact	<ul style="list-style-type: none"> • Performance - We strive to achieve market leadership in scale and profitability, wherever we compete. • Resilience - We aspire to build businesses that anticipate, adapt and endure for generations.
Key Roles/Responsibilities:	
<ul style="list-style-type: none"> • Position will work on device meant for remote monitoring and will be responsible for development of hardware & firmware for embedded systems & IoT devices. • Role requires working in GSM/GPRS, MQTT, OPC, MODBUS, CANBUS, its familiarity and application with PIC microcontroller. • Deliver work in 8-16-32 bits micro controller & its peripherals • Work in interfacing different types of sensors to microcontroller like TDS [water], temperature, bacterial & pH sensors. • Experience in battery & solar powered devices with battery Management system. • Experience on various logical & algorithms for system design • Programming in using C/C++ language • Proficient in C programming with expertise in debugging skills • Analog & Digital hardware design experience for electronics device • Sound debugging skills of analog & digital design integration • Experience in PCB design & circuit layout design • Adaptive to technically changing environment. 	