Job Title: Embedded Design Engineer

Business Unit:	Piramal Sarvajal	Domain:		Social Enterprise
Location:	Ahmedabad	Band/Grade:		1B
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, Senior Design Embedded engineer.		None	

Essential Qualifications	B.E/B.Tech in Electronics/ Electricals Engineering with 2-3 years of experience in embedded design field.

Essential Experience	- Experience in working with 8-16 bits Micro-controller 1+ years of experience in programming using C language, with strong debugging skills. - Working knowledge of peripherals of microcontroller like UART, I2C, SPI, ADC, 1-Wire. - Analog & digital hardware design experience for micro controller based system - Knowledge in analog design ,PCB design ,circuit layout design & hands on experience in interfacing different analog sensors to digital system

Competencies	- Competent in working in Xbee, GSM/GPRS, Bluetooth, Wi-Fi, its familiarity and application with PIC microcontroller - Interfacing different type of sensor to microcontroller like TDS, temperature, bacterial & PH sensor will be preferred & added advantage - Ability to work in team - Good soft skills – especially English speaking, communication skills & presentation skills.

Decision Making Control	None

Values	
Knowledge	- Expertise – we strive for a deeper understanding of our domain - Innovation – we aspire to do things creatively
Action	- Entrepreneurship – we are empowered to act decisively and create value - Integrity – we are consistent in our thoughts, speech and action

Care	• 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	• 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:

Position will work on device meant for remote monitoring and will be responsible for development of hardware & firmware for embedded systems & IoT devices.

Experience in interfacing different types of sensors to microcontroller like TDS [water], temperature, bacterial & PH sensors.

Familiarity with PIC microcontroller & its design

Experience in battery & solar powered devices

Adaptive to technically changing environment