

**Team BOM form - SIH2025 Hardware**

**Team Name: ByteLords**

**Team Leader: G Rohit Sudarsen**

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**Mobile: 9176012600**

**Institute Name: R M K Engineering College**

Below are the lists of items/component requested by teams:

Item Name	HSN/Item Code/No.	Quantity needed	Estimated Cost(Approx) (Rs.)	Why is this component required?
Quectel 4G/GSM Module	EC200U	1	2419	Sends SOS data from the gateway to the internet
MICROCHIP- CryptoAuthentication IC	ATECC608A-SSHDA-B	1	507	For Data Encryption
SmartElex u-blox GNSS	MAX-M10S	1	2009	For GPS Acquiring Location
9-axisGyro Accelerator Magnetometer Sensor Module	MPU9250	1	407	For fall detection
Temperature Humidity Pressure and Gas Sensor	BME688	1	2801	For Enviromental Detection
LoRaE5 Mini	STM32WLE5JC	3	6801	For Hop Network Creation
698 – 960 MHz & 1710 – 2690 MHz 6/7 dBi Gain Magnetic Mount Antenna		1	139	For Receiving Network
860–928 MHz 2.2 dBi rubber-duck		3	653	For Sending Data
Grand Total (Rs.)			17321	

Any comments by teams (if any) :

Any comments by concerned by the nodal center:

(Not to be filled by the students, will be filled by the authorities)



Team Leader Signature