**The CAVLI Module I chose: C42QM (supports LTE Cat M1, NB-IoT and 2G Fallback)**

**3 custom AT Commands(hypothetical):**

**1. Command:**  
AT+CAVSYSINFO  
**Purpose:**  
Fetch system-level information specific to the Cavli module (e.g., firmware version, temperature).  
**Expected Response:**

+CAVSYSINFO: "C42QM", "FW\_V1.5.2", "Temp: 36C"

OK

**2. Command:**  
AT+CAVIOTMODE?  
**Purpose:**  
Query the current IoT operation mode (NB-IoT, Cat M1, fallback 2G).  
**Expected Response:**

+CAVIOTMODE: "NB-IoT"

OK

**3. Command:**  
AT+CAVRESTART  
**Purpose:**  
Soft restart the Cavli module remotely via AT command.  
**Expected Response:**

RESTARTING MODULE

OK

Since Cavli modules support only standard GSM/3GPP commands in practice, these custom AT commands are proposed hypothetically for module-specific use cases.