Assignment 1 Mansi Uniyal 19 EE 10039 & Block diagram for Temperature data from temperature sentor to mobile / captop Communication 10 Arduluo Sensor Module ATMEGA 328 P Temp. Bluetooth Sensor transmission module (-blue tooth) > mobile android smartphone (LM35. Sensor) l'emperatione: Lensor They are precision integrated Circuit (10) whoes of nottage is proportional to °C temp. It doesn't require any external calibration to get ± 0.25°C occurracy at RT (noom temp), and ± 0.75°C over a full -55 to +150°C temp. range. Scale factor -> 10mV/ce 1/0 mo temp sensored

AVR Atmega 328 P 4 C (micro controller) UNO: has 6 analogue ip pins · 14 digital ip-output foins. · MCU has 32kB 18P flash memory · IKB EEPROM · clock frequency > 16MHz. Up is voltage with analogue pins ofpro single ofp Module: Serial Post Protocal (SPP) module, 3 Mbps modulation data rate) · 2.4 GHz rendio toems eliver & baseband a Android emos technology Eostware: Temp. monitoring app dates sent by HC-03 Bluetooti is received and displayed on app.