

EE344
Electronic Design Lab
Lab Report
TUE-JJ-9-1

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Change in Lab Schedule for us :

We would like to make an important announcement here that our Offline WEL slot has been changed from Tuesday to Monday with consultation with our CR. We have informed the same to TA Mr. Maheshwar and WEL TAs. .

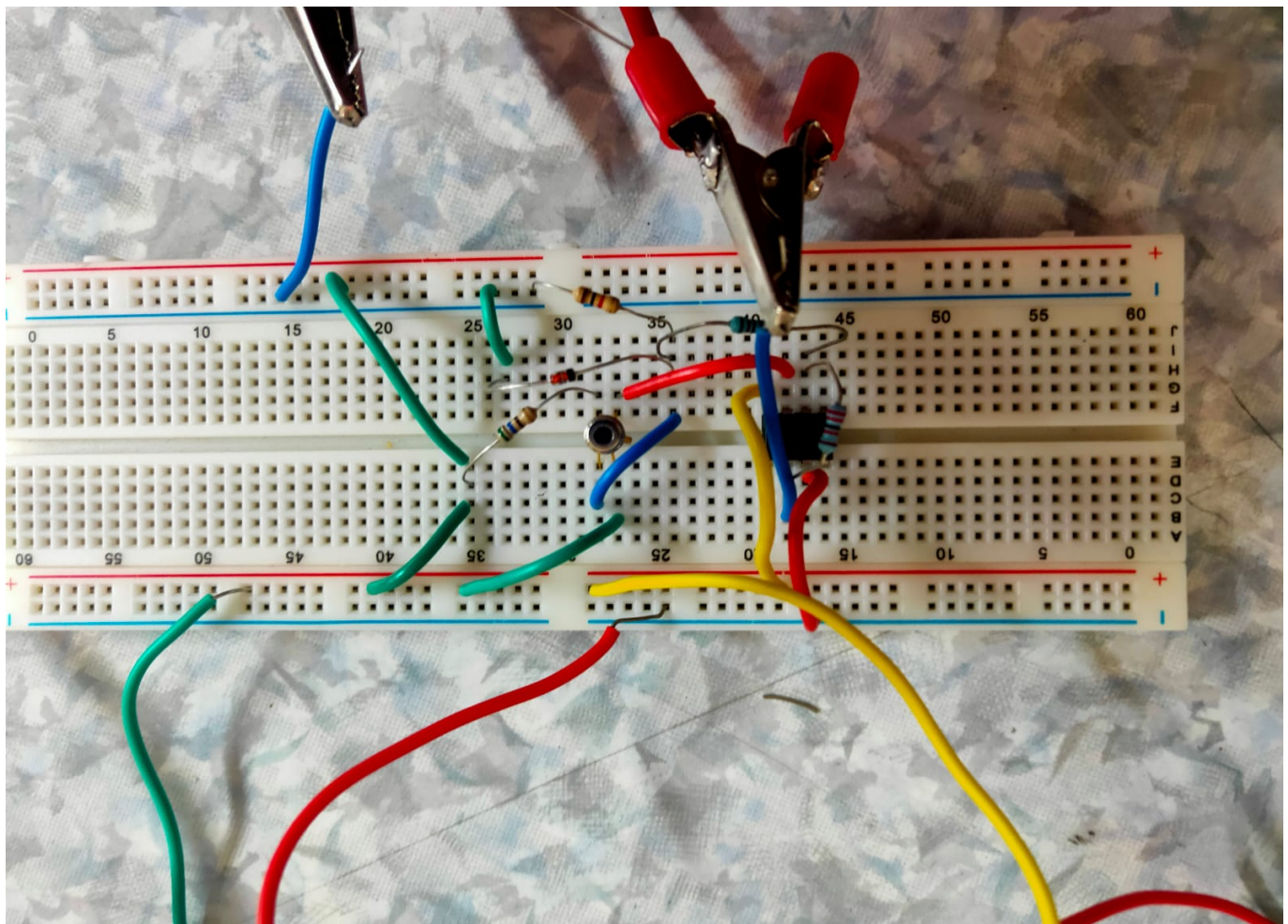
Selection and Order of Temperature Sensor :

As discussed before, we had two options for the temperature sensor namely TS305-11C55 and ISB-TS45H. But there were some problems with their delivery in India. So, we shifted to **ZTP-135SR Thermopile Sensor**. It has been delivered to us already and we will do the reimbursement process next week.

Testing Temperature Sensor :

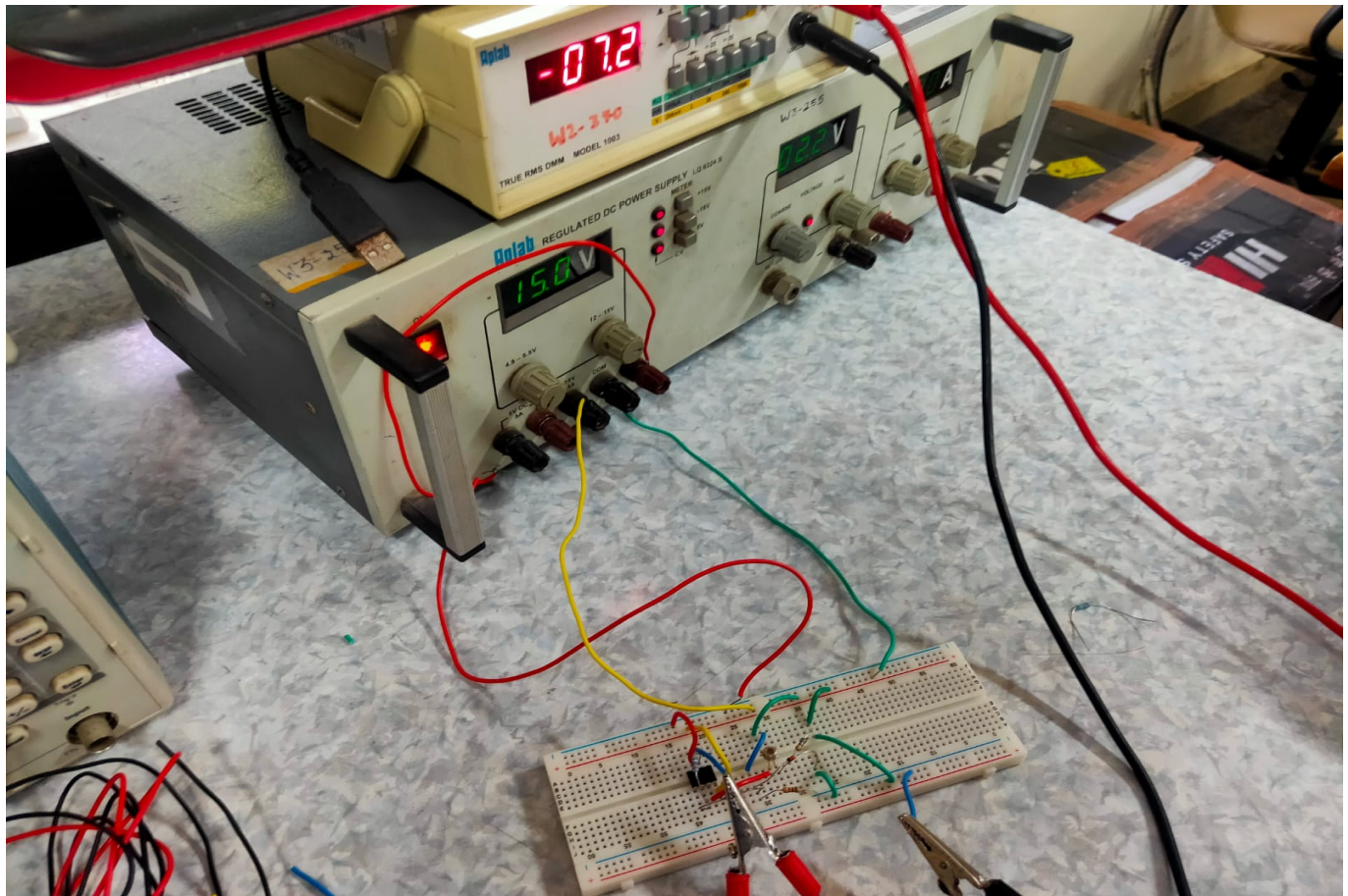
Today, we tested the **ZTP-135SR Thermopile Sensor** in the lab. We made a circuit using the pin arrangement of the sensor. Also, we used OP07CP Op-Amp to amplify the output of sensor.

The circuit for the same is,



We tested the outputs of this setup in varying conditions using the Digital Multimeter.

At room temperature, output was -7.2mV .



Whereas, when the conditions were varied (mobile torch), output was -3.3mV .

