

# Measurement Systems

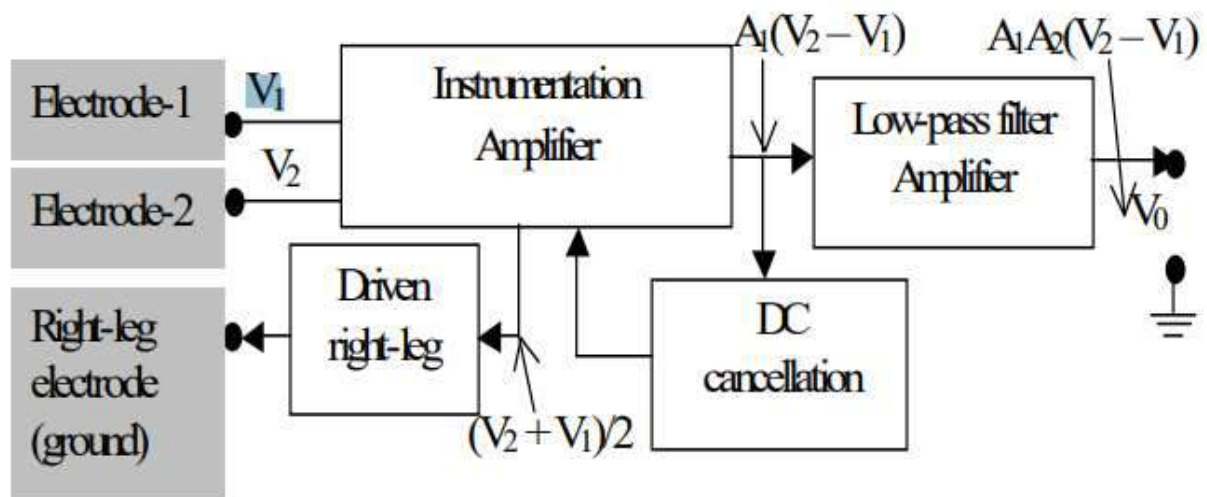
Name: Vivek Chandrashekhar Rugale

GR No.: 11810369

Div.: TY-C

Roll No.: 24 (Batch B1)

## LAB 5: ECG amplifier design



A general block diagram of a modern ECG amplifier is shown in figure.

It is designed around an instrumentation amplifier. In addition to the instrumentation amplifier it contains:

- An automatic offset (DC) cancellation circuit to keep the output always zero averaged
- A driven-right leg circuit to provide electrical safety and reduce the interference under normal operational conditions, and
- A low-pass filter that provides further amplification and limit the bandwidth of the overall system.