First part of the circuit is a light searching sensor wired around the popular Op-Amp LM358N (U1), which is an 8-pin IC having two inbuilt op-amps. Here the two op-amps are configured in comparator mode, ie the reference voltage is set at the inverting input pin (-), and then it is compared with the input at non-inverting (+) input pin (reference voltage at inverting input pin can be set with the help of associated potmeter). When voltage at non-inverting input pin exceeds this reference volatge, output of the comparator goes high (H), otherwise it remains in low (L) state. 2-channel output from U1 is fed to the inputs of the integrated motor driver L293D (U2), which is an easy-to-use 16-pin IC capable of driving two dc motors at a time in clockwise (CW) and counterclockwise (CCW) direction individually.

Power supply input of the Seeker BOT is 6VDC

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