

**Deptt. Of EEE**  
**Virtual Lab Experiments**

**Sem: VII**

**Lab: Microcontroller & Embedded System**

**Lab under Virtual Portal: Vlab, IIT kharagpur Portal**

Sr.No	Experiment	Virtual Lab link
1.	Write an ALP to generate 10 KHz square wave.	<a href="http://iitkgp.vlab.co.in/?sub=39&amp;brch=125">http://iitkgp.vlab.co.in/?sub=39&amp;brch=125</a>
2.	To Study implementation & Interfacing of Display devices like LCD,LED & 7 Segment Display.	<a href="http://iitkgp.vlab.co.in/?sub=39&amp;brch=125">http://iitkgp.vlab.co.in/?sub=39&amp;brch=125</a>
3.	To study implementation & interfacing of different motors like stepper motor, DC motors & servo motors.	<a href="http://iitkgp.vlab.co.in/?sub=39&amp;brch=125">http://iitkgp.vlab.co.in/?sub=39&amp;brch=125</a>
4.	Write an ALP for temperature & pressure measurement.	<a href="http://iitkgp.vlab.co.in/?sub=39&amp;brch=125">http://iitkgp.vlab.co.in/?sub=39&amp;brch=125</a>
5.	Write an ALP to interface a graphical LCD with 89C51.	<a href="http://iitkgp.vlab.co.in/?sub=39&amp;brch=125">http://iitkgp.vlab.co.in/?sub=39&amp;brch=125</a>
6.	To study programming and Transmission & reception of data through serial port.	<a href="http://iitkgp.vlab.co.in/?sub=39&amp;brch=125">http://iitkgp.vlab.co.in/?sub=39&amp;brch=125</a>