## **ECEN Academy**

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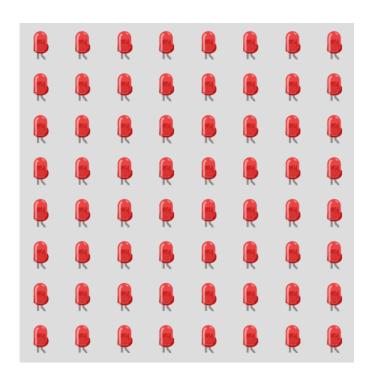


### ESP – Dot-matrix – Problems Set - 3

#### Instructions:

- 1. Do not discuss with any one while solving the problems
- 2. Do not use internet while solving the problems
- 3. Do not use books while solving the problems
- 4. Do not try to copy from others
- 5. Do the problems in an easy way.

### **Use the following Dot Matrix Layout.**





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- O1 Display Characters A to E one by one in one second Interval
- O2 Display Characters a to e one by one in one second Interval
- 03 Display Numbers 0 to 4 one by one in one second Interval
- O4 Display Welcome string characters one by one in one second Interval.
- 05 Display revolving text "Welcome" Right to Left
- 06 Display revolving text "Welcome" Left to Right
- 07 Display revolving text "Welcome" Top to Bottom
- 08 Display revolving text "Welcome" Bottom to Top
- 09 Display "Welcome" by odd position entering from Left and Even Position entering from Right.
- 10 Display "Welcome" by odd position entering from Top and Even Position entering from Bottom.