<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Date &amp; Duration</th>
<th>Name &amp; Address of Industry</th>
<th>Smester (Division)</th>
<th>No. of Students</th>
<th>Name of Faculty Members</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>1</td>
<td>16/02/15 (10.00 to 03.30)</td>
<td>NFLEX SYSTEMS PLOT NO.789, PRAMUKH ESTATE, RAKANPUR CROSS ROAD, RAKANPUR, GANDHINAGAR-382721</td>
<td>4 (A&amp;B)</td>
<td>86</td>
<td>Ms.Namrata Sengar Mr.Raviraj Patel Mr.Pradeeptta Taraphdar Mr.Rohit Sahu</td>
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<td>18/02/15 (10.00 to 03:00)</td>
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<td>4 (C &amp; D)</td>
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<td>Ms.Namrata Sengar Mr.Raviraj Patel Mr.Pradeeptta Taraphdar</td>
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<td>20/02/15 (10.00 to 3.30)</td>
<td>NFLEX SYSTEMS PLOT NO.789, PRAMUKH ESTATE, RAKANPUR CROSS ROAD, RAKANPUR, GANDHINAGAR-382721</td>
<td>4 (E, F &amp; G)</td>
<td>117</td>
<td>Ms.Namrata Sengar Ms.Swati Saini Mr.Raviraj Patel Mr.Pradeeptta Taraphdar Mr.Abhishek Shah</td>
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</tbody>
</table>

Name of Mentor from Industry:
Mr.Ashwin J Patel
Technical Information about Industry:

Industry is focused on Rotogravure Printing Industry.

Rotogravure printing technique is being used for manufacturing flexible packaging material. Industry was having two departments.

1) Fabrication
2) Printing Press

In fabrication department various processes were there like...

1) Cold Drawing
2) Bending Press
3) Plasma Cutting
4) Gas Cutting
5) Large Drilling
6) Slotting Operation
7) Taper Turning
8) Inside Step Turning
9) Grooving
10) Fillet turning
11) “V” making
12) MIG Welding
13) Centering the work piece (Removal of Out run)
14) Rough Turning
15) Final Chamfer Turning
16) CNC Turning Operation
17) CNC Radius Turning
18) Cylindrical Grinding
19) Inspection (Dimensional)

Printing Department

1) Cylinder Preparation
2) Cylinder mounting techniques
3) Rubber roll mounting techniques
4) Doctor Blade Mounting technique  
5) Doctor Blade Adjustment technique  
6) Tension Control on printing machine  
7) Printing using CMYK Technique  
8) Lamination Process  
9) Study of various laminating substrates used in Printing industry  
10) Curing Technique  
11) Slitting Operation  
12) Doctoring Operation  
13) Pouch Making  

Instruments used in Industry  
1) Vernier Caliper  
2) Micrometer  
3) Micro meter Screw Gauge  
4) Pressure Measuring Instrument  
5) Thickness gauge (Digital)  
6) Surface Roughness measuring Instrument  
7) Stroboscope  
8) Photo cell  

Visit Outcome for the Students:  
1) Exposure to industry.  
2) Industrial applications of various instruments.  
3) Exposure to various machining processes.  
4) Introduction to various pouch types.  
5) Introduction to various printing substrates.  
6) Learning of whole rotogravure printing press line.  
7) Learning of pouch making.  
8) Awareness about the safety and precautions required in Industries.  
9) Learning how to innovate for the ease of simplicity.  
10) Fixture and their development.
Photographs:

Industrial Visit for 4th Sem (Div A & B) Mechanical Engineering Students @ NFLEX SYSTEMS
Industrial Visit for 4th Sem(Div C & D) Mechanical Engineering Students @ NFLEX SYSTEMS