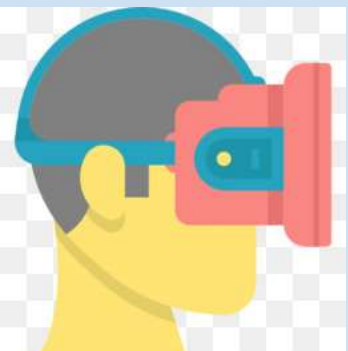




Augmented Reality

creating own markers

Dr. Sarwan Singh
NIELIT Chandigarh





Agenda

- Creating and using own markers
- Multiple markers





Creating own marker

Steps :

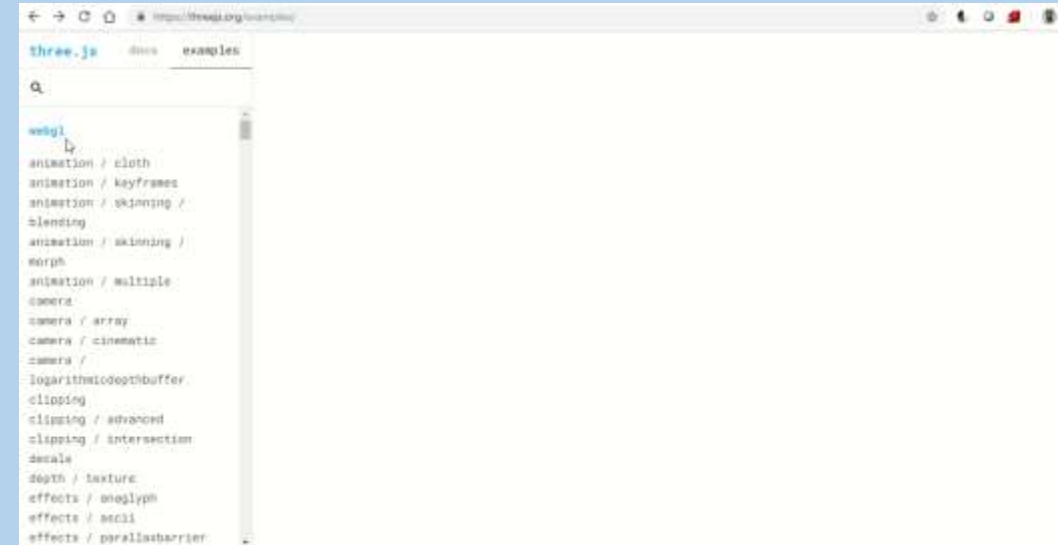
- Upload your image — the one that appears inside the black boundary.
- Download the trained marker — and use it in your AR experience.
- Download the marker image — to print it.

<https://jeromeetienne.github.io/AR.js/three.js/examples/marker-training/examples/generator.html>



- <https://threejs.org/>
- <https://threejs.org/examples/>
- https://github.com/mrdoob/three.js/blob/master/examples/webgl_animation_cloth.html
- <http://localhost/ar.js/three.js/examples/>

- <http://localhost/AR-Examples/>
- <https://github.com/stemkoski/AR-Examples>





WebGL

- <https://davidscottlyons.com/>
- <http://davidscottlyons.com/threejs-intro/#slide-0>
- <https://github.com/davidlyons/threejs-intro>



A-Frame

- <https://aframe.io/examples/>
- <https://aframe.io/aframe-school/>



```
<html>
<script src="https://aframe.io/releases/0.8.0/aframe.min.js"></script>
<script src="https://cdn.rawgit.com/jeromeetienne/AR.js/1.6.0/aframe/build/aframe-ar.js"></script>
<body style="margin : 0px; overflow: hidden;">
  <a-scene embedded arjs="sourceType: webcam;">
    <a-marker type="pattern" url="https://cdn.glitch.com/519344c4-dfb5-402c-9547-5dbfb74709f1%2Fpattern-nielit.patt?v=1563260286864">
      <!--<a-box position="0 0.5 0" material="color: red;"></a-box> -->
      <a-text value="NIELIT Chandigarh"></a-text>
    </a-marker>
    <a-marker preset="hiro">
      <!--<a-box position="0 0.5 0" material="color: green;"></a-box> -->

      <a-image src="https://cdn.glitch.com/519344c4-dfb5-402c-9547-5dbfb74709f1%2Fnielit.jpg?v=1563958883738"></a-image>
    </a-marker>
    <a-marker type="barcode" value="6">
      <a-box position="0 0.5 0" material="color: blue;"></a-box>
    </a-marker>
    <a-entity camera></a-entity>
  </a-scene>
</body>
</html>
```