

# MEETING MINUTES 3

## Topic: Meeting 3 – Meeting 3 Test team A

Monday, September 27, 2017 - 5:30pm – 6:30pm

Minutes recorded by Devon

Meeting called by Devon

Attendees: Devon, Evan, Aaron, Qian, Soud, Kory

Executive summary:

<b>5:30pm-5:45pm</b>	<b>Announcements</b> <ol style="list-style-type: none"> <li>1. Presentation Monday (2 October 2017) <ul style="list-style-type: none"> <li>- Shooting for 10 minutes about report</li> </ul> </li> <li>2. Action items submit tomorrow (28 September 2017) (Devon)</li> </ol>
<b>5:45pm-6:00pm</b>	<b>Meeting With Yaramasu</b> <ol style="list-style-type: none"> <li>1. Went over typologies</li> <li>2. Simulink <ul style="list-style-type: none"> <li>- Matlab circuit design</li> </ul> </li> <li>3. Offered lab for testing</li> <li>4. Wire diagrams on PCB boards <ul style="list-style-type: none"> <li>- Double side boards</li> </ul> </li> </ol>
<b>6:00pm-6:05pm</b>	<b>Meeting for presentation</b> <ol style="list-style-type: none"> <li>1. Sunday (4PM internet Café)</li> <li>2. Work on slides beforehand on google slides</li> </ol>
<b>6:05pm-6:15pm</b>	<b>Due upcoming week</b> <ol style="list-style-type: none"> <li>1. Report try to have as much done as possible my Monday (6 October 2017)</li> <li>2. Peer evals due after report submission</li> <li>3. Concept generation- plain white paper, scan, and upload</li> </ol>
<b>6:15pm-6:30pm</b>	<b>Concepts generated</b> <p>DC-DC Converter</p> <ol style="list-style-type: none"> <li>1. Interleave boost converter <ul style="list-style-type: none"> <li>- Simulink model</li> </ul> </li> <li>2. Fly back converter</li> <li>3. Boost converter</li> <li>4. Buck-boost converter</li> </ol> <p>Generator</p> <ol style="list-style-type: none"> <li>1. Induction AC</li> <li>2. DC</li> <li>3. Hamster wheel power</li> <li>4. Fixed magnet AC</li> </ol> <p>Board layout</p> <ol style="list-style-type: none"> <li>1. Plainer patter wiring system</li> <li>2. Common ground wiring</li> </ol> <p>Shaft</p> <ol style="list-style-type: none"> <li>1. Off the shelf</li> <li>2. Reuse previous designs</li> </ol> <p>Blades</p> <ol style="list-style-type: none"> <li>1. Gas on leading edge Increase Re</li> <li>2. Telescoping blades</li> <li>3. Curved blades for noise reduction</li> <li>4. Pitching for startup and stall regulated airfoils.</li> </ol>

