

Meeting	Week #2
Location	Daan Maijer's Office (Frank Forward Room 313)
Date of Meeting	Sept. 13th, 2019
Leader	Jacob Koo
Secretary	Martin Battilana

### 1. Attendees

Daan Maijer  
 Jacob Koo  
 Devang Lamba  
 Martin Battilana  
 Hin Yao Chow  
 Kevin Zhu  
 Oliver Tian

### 2. Agendas, Notes, Decisions and Issues

Topic	Discussion
<b>Agenda</b>	<ol style="list-style-type: none"> <li>1) Status Update</li> <li>2) Discuss FDM printing, get on the same page</li> <li>3) Possible group challenges</li> <li>4) Access to FDM printer</li> <li>5) Formulate key words (objectives, constraints, free variables)</li> </ol>

<b>Notes from Meeting</b>	<ol style="list-style-type: none"> <li>1) Discussed powder bed fusion printing and the difference between FDM printers</li> <li>2) Discussed methods of collecting data surface by surface as the model is being printed</li> <li>3) Discussed defects generated from FDM printers</li> <li>4) Discussed potential ways to monitor defect formation</li> <li>5) Do not require access to the FDM printer to move forward</li> <li>6) Assume that the process of 3D printing works</li> <li>7) Develop a proof of concept idea before the end of December</li> </ol>
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<b>Action Items for Next Week</b>	<ol style="list-style-type: none"> <li>1) Come up with objectives, free variables, and constraints, and <i>need statement</i></li> <li>2) Conduct further research on FDM defects and detection methods</li> <li>3) Identify Project Risks</li> <li>4) Budget Scoping</li> <li>5) Identify Safety Hazards</li> <li>6) Begin writing the Project Proposal</li> </ol>
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<b>Issues</b>	<ol style="list-style-type: none"> <li>1) Figure out why having the same conditions of printers can result in different quality of parts</li> <li>2) Overall timeline needs more defining tasks beyond midterm</li> </ol>
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<b>Meeting Schedule</b>	<ol style="list-style-type: none"> <li>1) Next meeting is scheduled on Sept 18th, 3:00 pm, in the Frank Forward room 217</li> </ol>
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