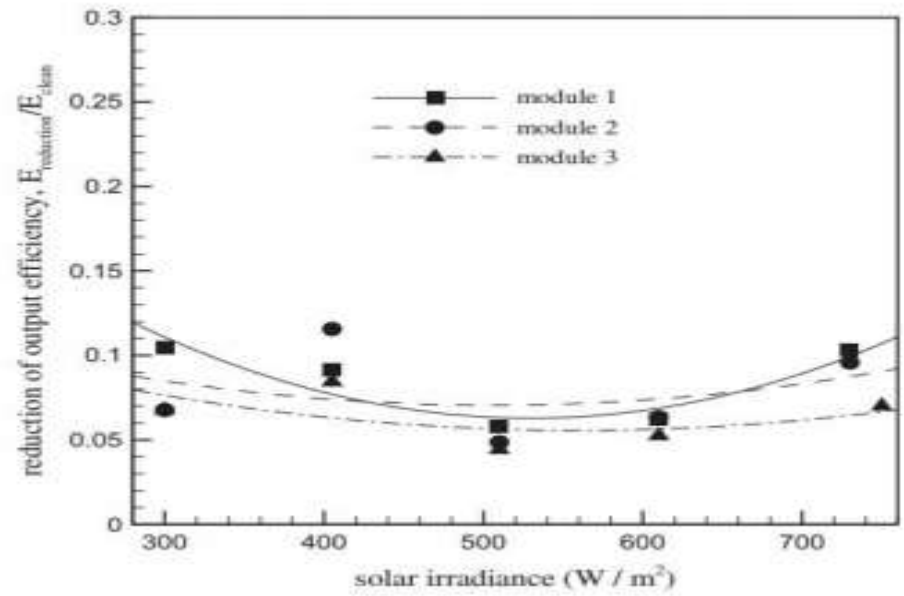
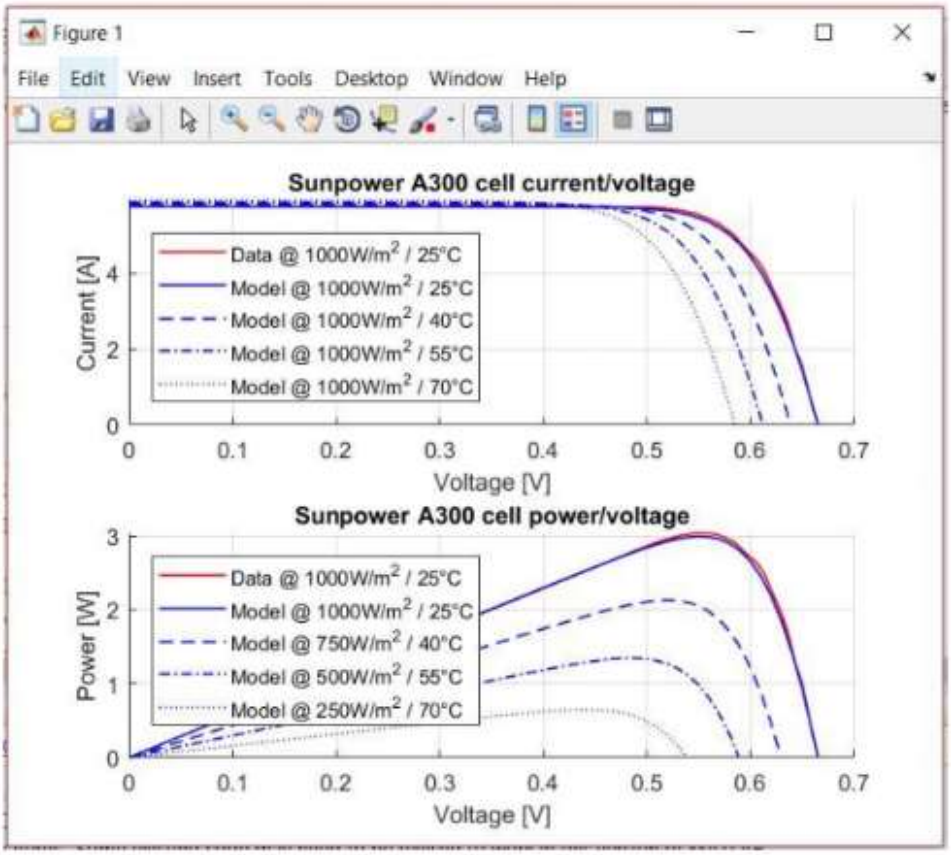
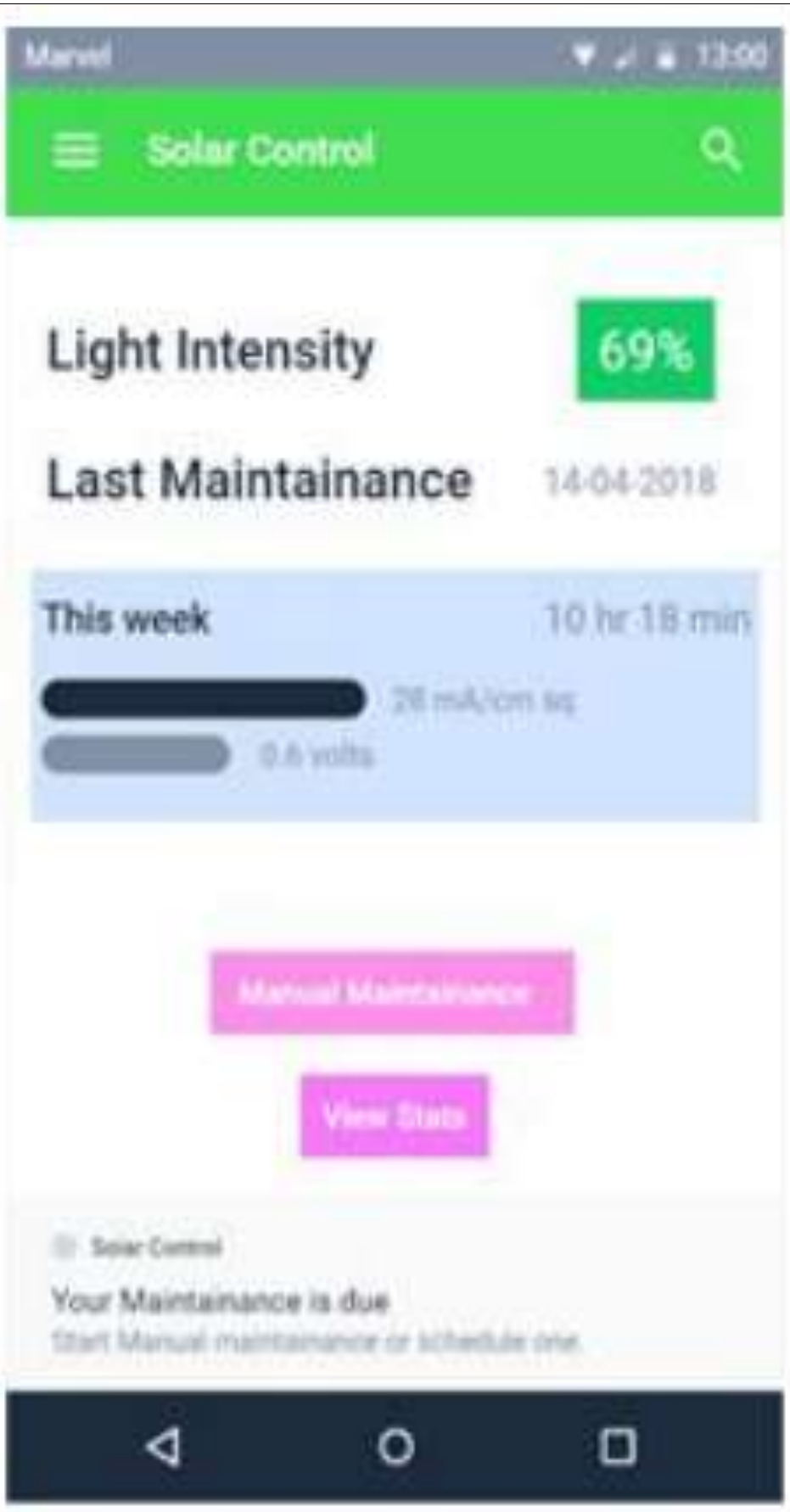
Format for the Project Submission

Project Id/No	**AEL-07**
Project Name	Maintenance of Solar Panels to increase efficiency
Project Members	Mentors – Dr. Swati Arora Mentee – Harshit Joshi Manas Awasthi Mayank Malik Vedant Bonde
Abstract	The facts revolving around the lack of sustainable energy resources have been introduced to us time and again. Still, only 8% of the total energy consumption in the world (as of 2010) were sourced through renewable sources. The facts in path against renewable energy, especially solar energy, are the costs involved in the retrieving and maintenance process. Even though the cost of solar panels has dropped by 80% since 2008, we still have a long way to go in making solar energy our primary energy source. Our project involves around creating a model for the maintenance for Solar Panels and subsequently a Dust Settlement Model. We build our model taking into account the factors which lead up to the eventual need of cleaning up a solar panel. Obtaining trustable data, in the form of graphs and numbers, from acclaimed research papers, we derive and build conclusions about the effect of the type of solar panel on the egradation itself. Further, bring in IoT (Internet of Things). Syncing that to our app, we track the entire process making our model viable for ground level use.

Project Photo	 


Marvel
Solar Control
Light Intensity
69%
Last Maintainance
14-04-2018
This week
10 hr 18 min
Manual Maintainance
View Stats
Solar Control
Your Maintainance is due