* This work was done at Sea6 Energy, Bengaluru when I lent technical support for the Ocean Engineering Team.
* The objective of the project is to enable periodic tracking of sea‐plant growth in floating ocean farms, by developing a Graphical User Interface (GUI) for dynamic interpretation of drone‐acquired images.

1) Application of Aspect Ratio Preservation for Seaweed Farm images.ipynb:

demonstrates development of an algorithm that considers two different techniques for performing the “perspective transform/warping”. The agenda is to maintain the optimal aspect ratio on the seaweed farm images.

2) Algorithm\_1.ipynb, Algorithm\_2.ipynb and Algorithm\_3.ipynb are different algorithms that have been developed for the seafarm image analysis problem. The notebooks illustrate the case for one particular image.

3) GUI\_Interface.ipynb - A GUI interface for demonstrating the algorithm3 approach.