LOGBOOK

TASK-1 (Image mosaicing)
TASK-2 (Arrow Detection)

Day 1 (15th Dec):

1) Learned Python :
   Put about 4 hr into this to get to know about syntax and additional functions specific for python
   Resource: i) Documentation
   ii) Free Code Camp

2) Learned basic Git
   Resource: Git CheatSheet and yt videos

3) Browsed the web about image stitching
   Resources:
   i)Image Stitching with OpenCV and Python - PyImageSearch
   ii)https://medium.com/@SapnilPatel/image-stitching-and-basics-of-opencv-9b08bfe74eec

4) Stared learning NumPy:
   Resources:
   i) Bit from Code Acadmy website(just its cheet sheet as it was paid)
   ii) started watching CodewithHarry (Numpy Tutorial in Hindi)

Day 2 (16th Dec):

1) Learned Numpy (Basic):
   Resource: i) CWH video (Numpy Tutorial in Hindi)
   iii) GFG and other websites for reading about different methods

Day 3 (17th Dec):

1) Started learning OpenCV
   Resource:
   i) freeCodeCamp.org : OpenCV Course - Full Tutorial with Python
   ii) Documentation: (OpenCV Tutorials)
   iii) GFG and other websites for reading about different methods

Day 4 (18th Dec):

Wasn't able to do anything due to high fever

Day 5 (19th Dec):

Wasn't able to do much due to high fever

1) Browsed the web about image stitching
   Resources:
   i) OpenCV Panorama Stitching - GeeksforGeeks

Day 6 (20th Dec):

1) Started to read about arrow detection and creation in openCV
   Resources:
   i) Python OpenCV | cv2.arrowedLine() method - GeeksforGeeks
   ii) How to detect different types of arrows in image? - Stack Overflow
   iii) https://github.com/madhavgupta2002/arrow-openCV

Day 7 (21th Dec):

1) Wrote the whole code

   i) **Error :-** the top and the bottom border of the stitched image were black which was not present in the uploaded image. To fix this I tried to click more images and browse the web but the issue still persists.

   ii) **Areas Of Improvement:-**
   a) To remove the black borders
   b) Make the image more sharp
   c) To make the porgram such that it adjusts the size of the stitched image accordingly so that it can be seen properly on the screen