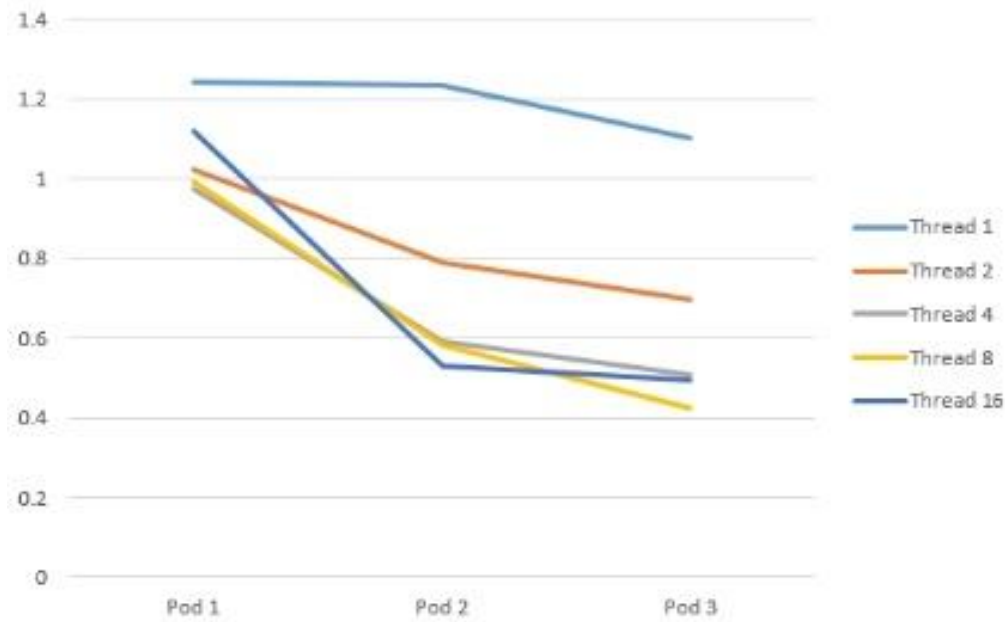**Name:** Anik Dey Sarker

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Experiment:

In the above figure, X-axis represents the numbers of pods and Y-axis represents average time in seconds. Here I have considered 'total client script time' and divided it by the total image number i.e. 128.

I conducted several experiments. I took 5 data when pod number is 1 and the thread number. I used different number of threads like 1,2,4,8 and 16. I've taken each data three times and calculated the average from them.

After that I took another 5 data by scaling up the pod number to 2 and by varying the thread number. I used different number of threads like 1,2,4,8 and 16. I've taken each data three times and calculated the average from them. I can see the average time has been decreased.

Last of all I scaled up the pod number to 3 and changed the threads as 1,2,4,8 and 16. I've also taken data three times and calculated the average time from them. The average has also decreased here.

As I can see, when I increase the pod number, then average time decreases. For 1 pod, the average times of each thread (1, 2, 4, 8 and 16) were higher. When pod number increased to 2, then average times decreased for every thread. And last of all when pod number increased to 3, then average times also decreased for every thread. As pod number is increasing, the threads are divided among them. All the pods were working in parallel. So average times have been decreased.