**Project Title: Task Allocation Using Kubernetes Scheduler**

**Project objective:**

Solving task allocation problem based upon shift allocation using multiple scheduler

**Background of the problem statement:**

BPO is a place where people work in shifts. Calls are assigned to them based upon their shift. Let’s consider a possibility, where some people are absent during their shift. Being a Kubernetes expert, how can you design a system where calls are allocated to the people present during the shift dynamically.

**Features to be included:**

* Job Scheduling/Task Allocation

**You must use the following:**

* **GKE Service Account With Valid Project:** to authenticate to Google Cloud Platform services
* **Google Cloud Shell:** a shell environment for managing resources hosted on Google Cloud Platform (GCP)
* **kubectl:** Kubernetes command-line tool that allows you to run commands against Kubernetes clusters

**Following requirements should be met:**

* System should able to allocate the tasks every second/minute based upon the number of people available in a shift.
* Dynamic analysis of the number of people/analysts working in a shift.
* Automatic status updates of tasks once completed.
* Document the step-by-step process involved in completing this task.