

**“Docker, Container and Kubernetes” by Mr. Rohit Sardesai Software Designer
VII Aruba Cloud Engineering , a Hewlett Packard Enterprise Company and
Alumnus of CMPN Department, VIT**

19th September 2020, 5:00 PM

During the webinar on “Docker, Container and Kubernetes” Mr. Rohit Sardesai explained the need for scalable and reliable applications which is a trend in current IT industry. He rightly emphasized on tools and commands, which is used to develop these applications. It was a very enlightening session for the attendees to know this latest technology which came into existence in 2013.

Features of Kubernetes

The basic features of Kubernetes like rolling updates, auto scaling vertically and horizontally, termination of low priority jobs, running stateful database application was explained. Eviction of process based on concepts of master slave architecture was highlighted

Pods and Declarative Statements in Kubernetes

Mr. Sardesai explained how declarative statements and commands were executed in Kubernetes and not imperative statements describing the steps to perform the given task. Also the importance of pods was highlighted in relation to kubernetes .

Creation of yaml file

Details as to what should be content of yaml file was discussed like how to specify or initialize number of replicas, image , ports to be used , protocols was discussed in detail .

Kubectl tool

Mr. Rohil even highlighted the topic of kubectl an open source tool to work on kubernetes to check which pods are running

Certification details and Job opportunities

The certifications which a student must have to become an expert with kubernetes was discussed. Also the job profile which one may get into after completion of these certifications was guided well by Mr. Desai towards the end of the session