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Department of Electronics and Computer Engineering

Report on Industry Faculty Orientation Lecture

ECM department organized Industry Faculty Orientation lecture for faculty on “Cloud Application Deployment using Kubernetes and Docker” on 23-11-2022(Wednesday) in online mode at K L Deemed to be University, Vijayawada.

Mr T Maheedhar, Senior Product Engineer, Temenos acted as resource person for this orientation lecture. He is prominent alumni of KLU from CSE department. In this lecture he delivered about docker terminology and about Kubernetes. He explained in terms industry perspective and how industry using docker and Kubernetes.

Mrs Dr PSG ArunaSri, HoD-ECM, provided special appreciation to the resource person. All the organizers monitored the event. All the participants satisfied with the hand's session . Total 60 faculty participated from various departments in the event.

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What is Kubernetes ?



- ◆ Kubernetes is an open-source container orchestration system for automating software deployment, scaling, and management. Google originally designed Kubernetes
- ◆ It is used for automating the deployment, scaling, and management of containerized applications.
- ◆ Automatically scales control plane instances based on load, detects and replaces unhealthy control plane instances, and it provides automated version updates and patching for them.

Participants (58)

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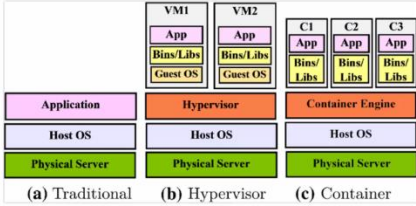
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Traditional vs Containerized model



	VM1	VM2	C1	C2	C3
Application	App	App	App	App	App
Host OS	Bins/Libs	Bins/Libs	Bins/Libs	Bins/Libs	Bins/Libs
Physical Server	Guest OS	Guest OS	Container Engine	Container Engine	Container Engine

(a) Traditional (b) Hypervisor (c) Container

Participants (60)

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PSG ArunaSri
HoD-ECM