



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)**

**L.B.REDDY NAGAR, MYLAVARAM, KRISHNA DIST., A.P.-521 230**

**Accredited by NAAC & NBA (Under Tier-I) and Certified by ISO 9001:2015**

**Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada**

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

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## **Report on One Day Webinar on Cloud for Students**

<b>Event Type</b>	: Webinar
<b>Date(s)</b>	: 13-06-2020.
<b>Name of the Coordinator</b>	: K Naga Prasanthi
<b>Target Audience</b>	: III and IV CSE Students
<b>Resource Person</b>	: Phani Kishore Lanka, Trainer for Devops and Cloud

### **Objective:**

The objective of the webinar is to bring awareness to students about cloud computing environments in real time. The webinar includes discussion about various cloud platforms like Microsoft azure, google cloud etc. The students were given guidance to create their own account in cloud platforms using various options.

**Total Participation: 100**

### **Feedback:**

- Students requested department to organize such webinars in future also to improve their awareness about latest technologies.
- Students said they got more awareness about various cloud platforms because throughout the webinar the speaker showed various real cloud computing platforms and explained how those platforms can be utilized by students for various activities.



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## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Agenda

- Understanding Cloud Computing
- Cloud for Developer
- Cloud Providers – AWS/Azure/Google/Oracle
- Case Studies
- Learning Paths for Students
- Demo – Lets talk to cloud and launch apps.
- Questions

### Top Cloud Providers & Market Share

#### Amazon Leads \$100 Billion Cloud Market

Worldwide market share of leading cloud infrastructure service providers in Q4 2019\*

Provider	Market Share (%)
Amazon	33%
Microsoft	19%
Google	9%
Oracle	6%
Alibaba	5%
IBM	3%
Others	2%
Others	2%

Worldwide cloud infrastructure service revenue in 2019: \$96 billion

### SHARED RESPONSIBILITY MODEL

**RESPONSIBILITY ALWAYS RETAINED BY CUSTOMER**

**RESPONSIBILITY VARIES BY SERVICE TYPE**

**RESPONSIBILITY TRANSFERS TO CLOUD PROVIDER**

### Interaction with Cloud with API

Every cloud Offers 2 ways of Access to the Developers (Console Access, Programatic Access), the Console Access is via the UI or the Cloud Portal, while the Programatic Access is through CLI, REST API.

- AWS – AWS REST API, AWS CLI, Powershell
- Microsoft – Azure REST API, Graph API, Azure CLI, Powershell, Azure ARM
- Google – Google Cloud API, gRPC (Google Remote Procedure Calls)