



Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
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Department of Information Technology

Workshop On AWS Cloud Foundation

On 14th, 15th, 21st, 22nd of September 2019, our college, A. P Shah Institute of Technology, organized a session of Amazon Web Service (AWS) training for students of Computer Science & Information Technology Department Respectively. This session was organized under the guidance of HOD of IT Prof. Kiran Deshpande. The hands-on session was taken by Mr. Pranav Phadke. The department has organized a training session on AWS for the students where they can enroll themselves and get the benefits of learning technologies like hosting a website, creating a database, using various services provided by the AWS, and many more. The main motto of this session was to give the basic idea about what the Amazon Web Services are, to the students who have enrolled themselves to this training. Every student was given a system to have the full hands-on experience of the labs performed in this training.

The session started with a description about what exactly a web service means, what is AWS, how AWS has evolved year by year and how it has helped handling huge databases for industry giants, followed by introducing students to the services provided by AWS and their pay-as-you-go model, which helps saving a lot of time, resources as well as optimize the investments done.

After the verbal overview of the concepts, all the students were given a chance to get hands-on experience about what actual training and testing the data is about. Once we registered on/logged into the via the link which was received by all enrolled students on their respective Email addresses, all the services were explained one by one. Then we performed the Assessments lab of each of the concepts section, where in we were asked 10 questions and the appropriate answers need to be selected, each answer had the explanation as well, after selecting the answer(s).

Later, after every section completed, there was a Lab session provided, which includes the tasks given to the students to perform as instructed. A console was provided in each lab along with a time limit. Many concepts of training such as how to create an EC2 instance, working with Elastic Block Store (EBS), building a Virtual Private cloud (VPC), building a database

server and interact with it, which platform to use (Amazon Linux 2, Windows Server 2019, etc.), and also students were given a separate task wherein they have to deploy a windows server on Amazon console which should be accessed through RDP protocol, by Remmina (on ubuntu) or IIS (on windows) Software. A sandbox environment was provided to do the same.

Overall it was quite an interactive and an informative session to get basic idea about the concepts of Amazon Web Services.

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