



Don Bosco Institute of Technology, Mumbai - 400070

Report on 'Docker - A Quick Start'

Title: Guest Session on 'Docker - A Quick Start'

Date : 6th April 2021

Time : 12 PM to 1:30 PM

Venue : Google Meet (Online) meet.google.com/bor-ozti-nzw

Participants: Students and Faculty [69]

Resource Person : Mr. Tayyab Ali [Asst. Prof., IT Department, DBIT]

Organizing Department / Committee / Authority : Department of Computer Engineering

Faculty Coordinators: Ms. Sana Shaikh and Ms. Deepali Kayande

Objective: To acquaint knowledge of available opportunities in the field of Cloud Computing

Outcomes: Students will become familiar with the Docker and its various advantages.

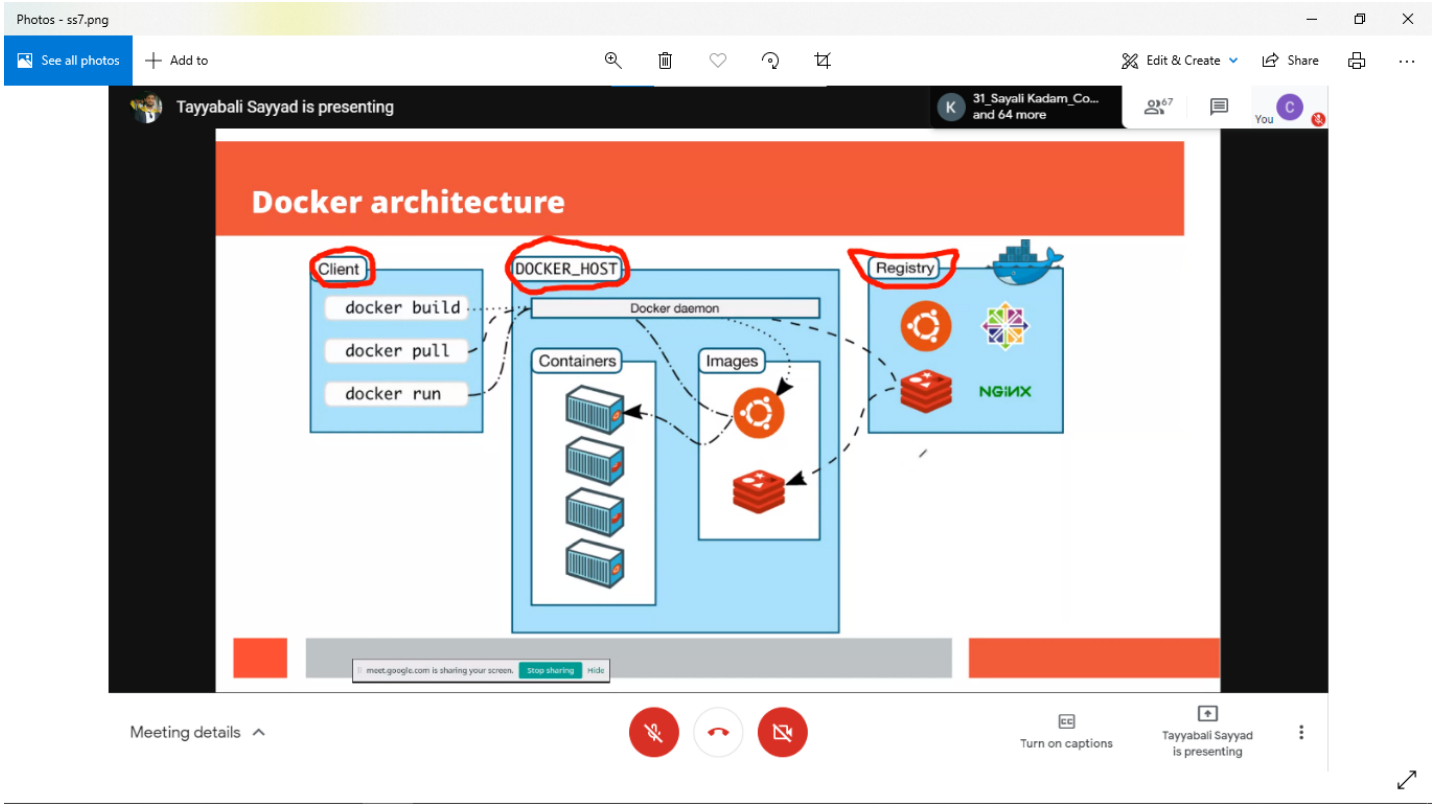
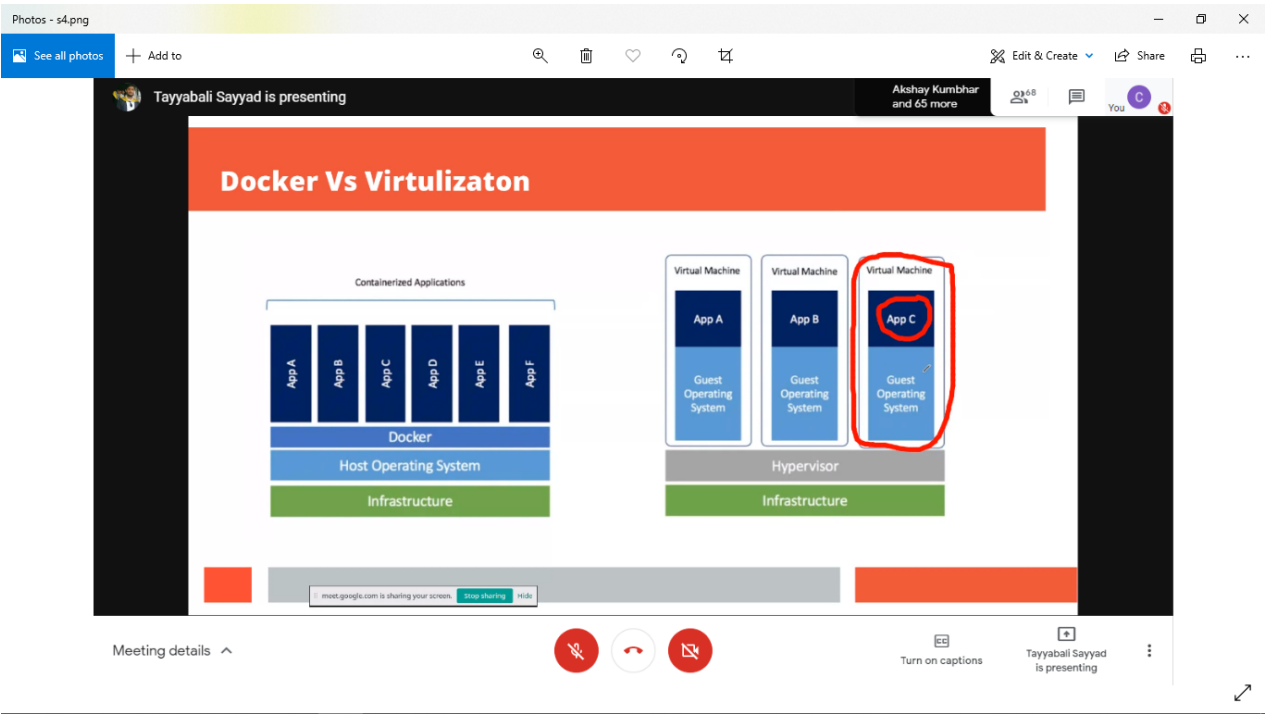
Report:

A Guest Session was organized on 7th April 2021 for the fourth year computer engineering students from 12pm to 1:30pm on 'Getting started with Docker'. The speaker for the session was Mr. Tayyabali Sayyad. The session was attended by 60 students.

The Session started with an introduction of Docker. The speaker clearly drew distinction between using Docker and virtual machines. He mentioned points which makes using Docker more favorable than virtual machines. He briefly explained the architecture of Docker and the concepts of images, objects and containers. The speaker then demonstrated the steps to be carried out for installing docker. Once Docker was installed he explained the basic docker management commands and demonstrated the same in real time. Further, nginx containers were also imported from docker hub during the demonstration. The shortcut to get an ip address using grep and inspect command and how to mount volumes were also discussed.

After demonstration, the floor was made open for a Q & A, in which various students asked questions which were promptly answered by the speaker. Ms. Deepali Kayande offered a token of thanks and this marked the end of the session.

Pictures:



The screenshot shows a Google Meet interface. At the top, a photo of 'Tayyabali Sayyad' is displayed with the text 'Tayyabali Sayyad is presenting'. Below this, a terminal window is open, showing the following content:

```

Activities Terminal Apr 6 12:41
ubuntu@ip-172-31-33-195:~$ docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub
   (amd64).
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

ubuntu@ip-172-31-33-195:~$
  
```

On the right side of the terminal, a list of Docker commands is shown:

```

# log out once to activate
# Docker Management Commands
1 docker images
2 docker search ubuntu
3 docker pull hello-world
4 docker images
5 docker run hello-world:latest
6 docker run f2a91732366c
7 docker inspect nginx:latest
8 docker inspect 275d79972a86
9 docker ps -a
10 docker run -it centos:latest /bin/bash
11 docker ps
12 docker inspect goofy_easley
13 exit # to come out of docker
14 # to run docker in background
15 docker run -d centos:latest /bin/bash
16 docker run -d nginx:latest
17 docker inspect ID
18 sudo apt install elinks
  
```

At the bottom of the screen, the Windows taskbar is visible with icons for various applications. The system clock shows 1:47 PM on 4/8/2021.

Attendance:

Present: 67/74

Roll no	Name	Attendance
2	Gazala Ansari	P
3	Maithily Ashtankar	P
4	Rucha Bhosle	P
5	Yash Bitla	A
6	Paul Borges	P
7	Arjun Chavan	P
8	Juhi Churai	P
10	Reuben Crasto	P
11	Harshada Daund	P
12	Meldon Dcunha	P
13	Krishna Desai	P
14	Rhushikesh Deulkar	A
16	Lance Dias	P
17	Kevin DSa	A
18	Elysia Dsouza	P
19	Jordan Dsouza	P
20	Nevil Dsouza	P
21	Nikita Dsouza	P
22	Salil Fernandes	P
23	Wayne Fernandes	P

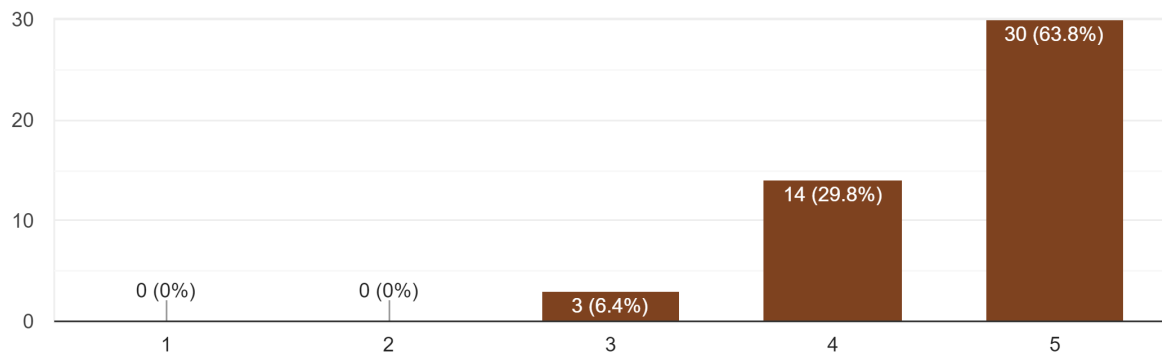
24	Vaishnavi Gadgil	P
25	Hrithik Gaikwad	P
26	Rajkumar Gupta	P
27	Francis Ivan	P
29	Jaison Jeslyn	P
30	Sameer Joshi	P
31	Sayali Kadam	P
32	Steeve Kaitharath	P
33	Siddhesh Kale	P
35	Sangeeta Kaswan	P
36	Anthony Kattikaren	A
37	Taaha Kazi	A
38	Mohd.Saad Khan	P
39	Manmeet Khanna	P
40	Tejaswini Kshirsagar	P
41	Akshay Kumbhar	P
42	Bharathy Lourd	P
43	Sayantan Mahato	P
44	Cynthia Mascarenhas	P
45	Nicole Mathias	P
46	Dominic Miranda	P
47	Vaibhav Mishra	P
48	Christina Moraes	P
49	Nimesh Naik	P
50	Jovin Nicholas	P
51	Dheeraj Othalasseril	P
52	Sasha Pais	P
54	Kartik Parekh	P
55	Shruti Patil	A
56	Pranav Pawar	A
57	Sanjo Pidiyath	P
58	Samara Pires	P
59	Rebecca Prasad	P
60	Rahul Pudurkar	P
61	Rutuja Randive	P
62	Nikhil Raote	P
63	Sonia Rodrigues	P
64	Tina Sayapogu	P
66	Rizwan Shaikh	P
67	Riya Shinde	P
68	Soham Shinde	P
69	Tejas Shinde	P
70	Md Zaid Siddique	P
71	Ruchita Singh	P
72	Varun Soni	P

73	Tom Subin	P
74	Sai Tarlekar	P
75	Gaurav Thawal	P
76	Alan Tom	A
77	Sarthak Tripathi	P
79	Saurav Chaudhari	P
80	Mohan Prasad	A
81	Aadarsh Vishwakarma	P
82	Subodh Pal	A

Feedback Analysis:

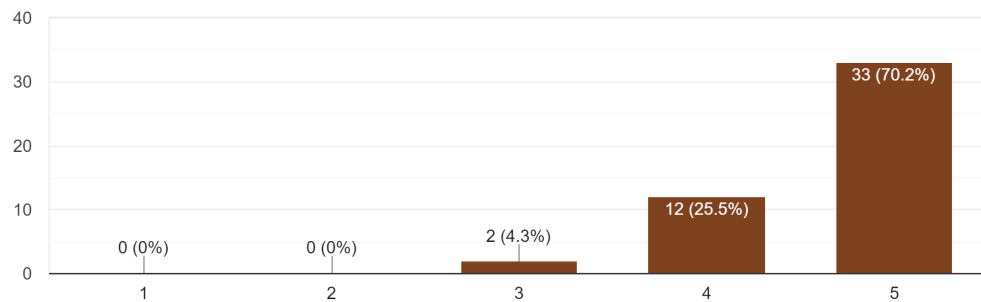
The webinar gave good insights about Docker Basics.

47 responses



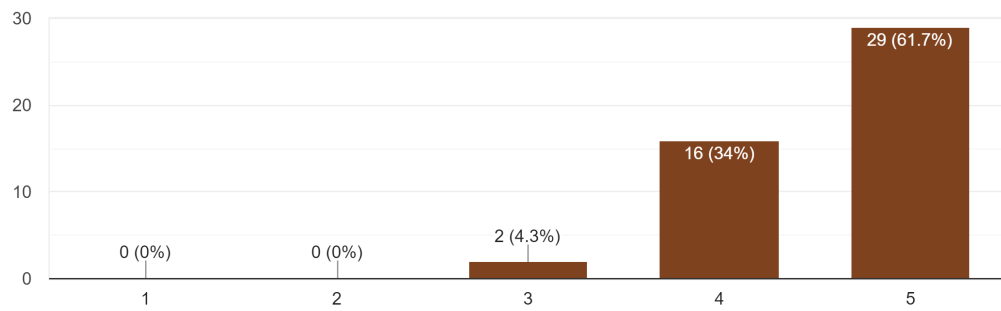
The speaker was able to deliver appropriate information about the concept.

47 responses



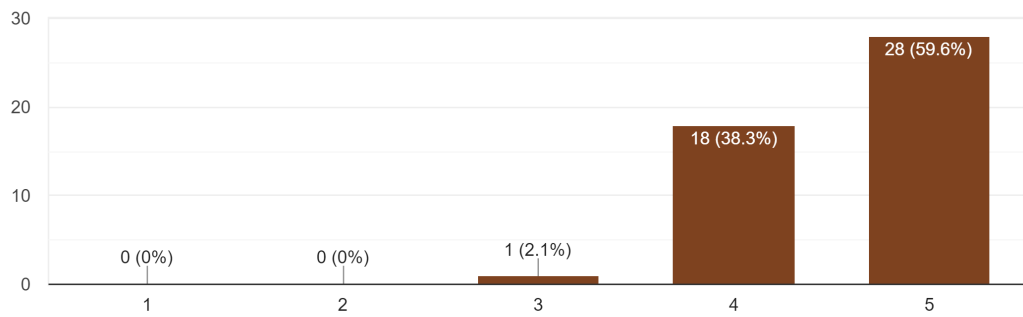
The session helped me understand Docker installation and using images on the Docker platform

47 responses



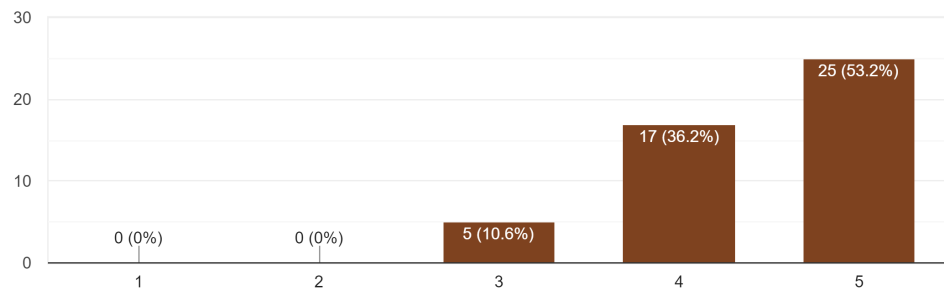
The session helped me to understand the advantage of using Docker instead of Virtual Machine

47 responses



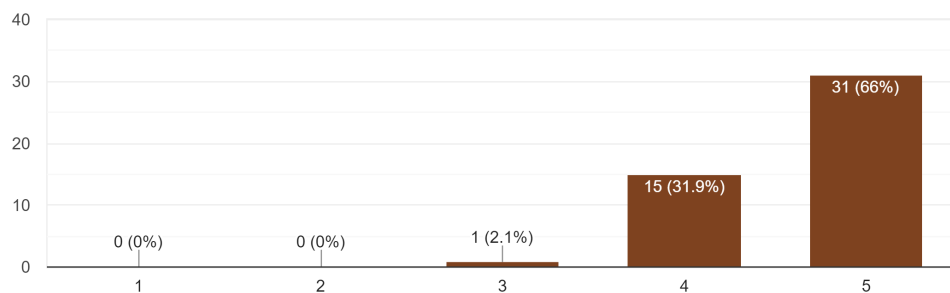
The session was thought provoking and engaging.

47 responses



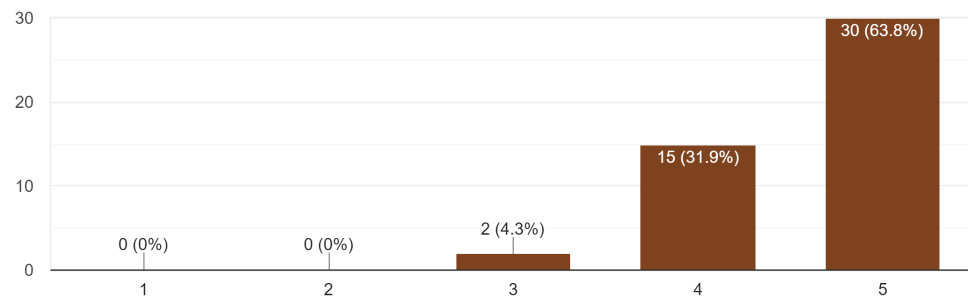
The speaker was able to answer all questions satisfactorily.

47 responses



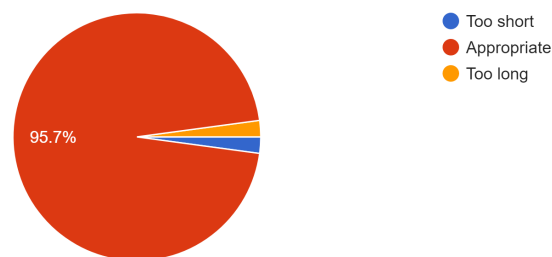
Knowledge gained from this session will help me in future.

47 responses



Duration of the session was

47 responses



Report Prepared By: Ms. Sana Shaikh, Ms. Deepali and Cynthia Mascarenhas