

DATE: 23/03/2021

Event Coordinator(s)

1. Sushama Khanvilkar
2. Kunal Meher
3. Kirti Motwani

Student Coordinator

1. Mandar Bagwe

Time& Place:

23/03/2021 (9am-10am)

Google Meet Online session,

Xavier Institute of
Engineering,

Mahim, Mumbai

Department:

Computer Engineering

No of participants: 51

EVENT: Guest Lecture on Containerizing Microservices(Docker)

Resource Person: Mr. Pranav Pitale

Software Engineer II, Microsoft, Charlotte, NC, USA.

Target audience: Final Year Computer Engineering students.

Purpose: Apprising of the market ready amateurs to new container technology.

Benefits:

- Enhances knowledge about virtualization and containerization.
- Exploring extensive use of Docker for containerizing with various applications such as NLP.

This event was conducted with Google Meet online platform, roughly around 51 students from BE Computer Engineering attended the event.

The event began with a general introduction about how Docker plays a crucial role in containerizing, followed by other container technologies and pros-cons of docker.

Furthermore, the session also included hands-on demonstration on how docker can be used with python code with NLP applications in industry. A quiz was conducted based on the session.

Student Feedback and Benefits:

The session was very informative. Students will be able to create docker and can use with any python application, after attending the session.



Sushama Khanvilkar
Asst.Prof. (Comp Dept)



Kunal Meher
Asst.Prof. (Comp Dept)



Dr. Saurabh Patil
HOD. (Comp Dept)

Images

REC | ah4zvjw3qe | Pranav D Pitale is presenting

meet.google.com/asc-dffc-utv?authuser=0

ah4zvjw3qe

People (40)

Mute all | Add people | Host controls

IN CALL

- Sushama Khanvilk... (You)
- Abdul Hannan Sun Sara
- Abhishek Solanki
- Akshita Revulagadda
- Ansari Rumaesa
- Ayesha Shetty
- Bethel Thomas

Pranav D Pitale is presenting

09:06 23-03-2021

REC | ah4zvjw3qe | Pranav D Pitale is presenting

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People (43)

Mute all | Add people | Host controls

IN CALL

- Sushama Khanvilk... (You)
- Abdul Hannan Sun Sara
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- Akshita Revulagadda
- Ansari Rumaesa
- Ayesha Shetty
- Bethel Thomas

Pranav D Pitale is presenting

09:10 23-03-2021

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Pranav D Pitale is presenting

The screenshot shows a Google Meet session where Pranav D Pitale is presenting a Dockerfile and its terminal output. The Dockerfile contains the following instructions:

```

FROM python:3.7
RUN echo "Creating image"
RUN apt-get update
RUN apt-get update && apt-get -y upgrade
RUN apt-get install -y \
    gcc \
    python-dev python-distribute \
    python-pip \
    python-distutils-extra python-pip \
    python \
    RUN mkdir /opt/requirements \
    WORKDIR /opt/requirements \
ADD requirements.txt /opt/requirements/ \
RUN pip install --requirement.txt \
RUN pip \
COPY *.py *.py \
CMD ["python", "--help", "0.0.0-8888", "--help", "--help", "8888", "--workers", "1"] \
EXPOSE 8888

```

The terminal output shows the following commands and their results:

```

$ docker build -t asc-ddfc-utv .
[+] Building 1.5s (cache)
[+] FROM python:3.7
[+] RUN echo "Creating image"
[+] RUN apt-get update
[+] RUN apt-get update && apt-get -y upgrade
[+] RUN apt-get install -y \
    gcc \
    python-dev python-distribute \
    python-pip \
    python-distutils-extra python-pip \
    python \
[+] RUN mkdir /opt/requirements \
[+] WORKDIR /opt/requirements \
[+] ADD requirements.txt /opt/requirements/ \
[+] RUN pip install --requirement.txt
[+] RUN pip
[+] COPY *.py *.py
[+] CMD ["python", "--help", "0.0.0-8888", "--help", "--help", "8888", "--workers", "1"]
[+] EXPOSE 8888

```

The interface includes a list of participants: Sushama Khanvilkar (You), Aarati Naikal, Abdul Hannan Sunarsa, Abhishek Solanki, Adrian Menezes, Akshita Revulagadda, and Ansari Rumaesa. The bottom of the screen shows a Windows taskbar with the search bar and system tray.

meet.google.com/asc-ddfc-utv?authuser=0

Pranav D Pitale is presenting

The screenshot shows a Google Meet session where Pranav D Pitale is presenting a Dockerfile and its terminal output. The Dockerfile is identical to the one in the previous screenshot. The terminal output shows an error during the Docker build process:

```

$ docker build -t asc-ddfc-utv .
[+] Building 1.5s (cache)
[+] FROM python:3.7
[+] RUN echo "Creating image"
[+] RUN apt-get update
[+] RUN apt-get update && apt-get -y upgrade
[+] RUN apt-get install -y \
    gcc \
    python-dev python-distribute \
    python-pip \
    python-distutils-extra python-pip \
    python \
[+] RUN mkdir /opt/requirements \
[+] WORKDIR /opt/requirements \
[+] ADD requirements.txt /opt/requirements/ \
[+] RUN pip install --requirement.txt
[+] RUN pip
[+] COPY *.py *.py
[+] CMD ["python", "--help", "0.0.0-8888", "--help", "--help", "8888", "--workers", "1"]
[+] EXPOSE 8888
Error response from daemon: pull access denied for f29642d33d, repository does not exist or may require 'docker login': denied: request head access to the resource is denied.

```

The interface includes a list of participants: Gururaj Parulekar and 33 more, Pranav D Pitale, and You. The bottom of the screen shows a Windows taskbar with the search bar and system tray.