IAS PROJECT
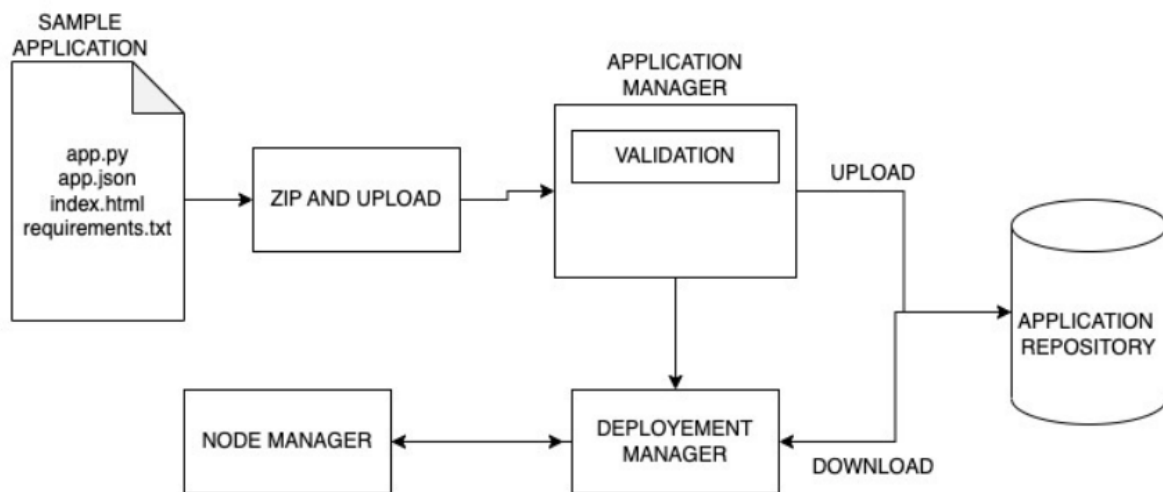
GROUP 3

TEAM 4
Udrasht Pal (2022201020)
Vikram Raj Bakshi (2022201044)
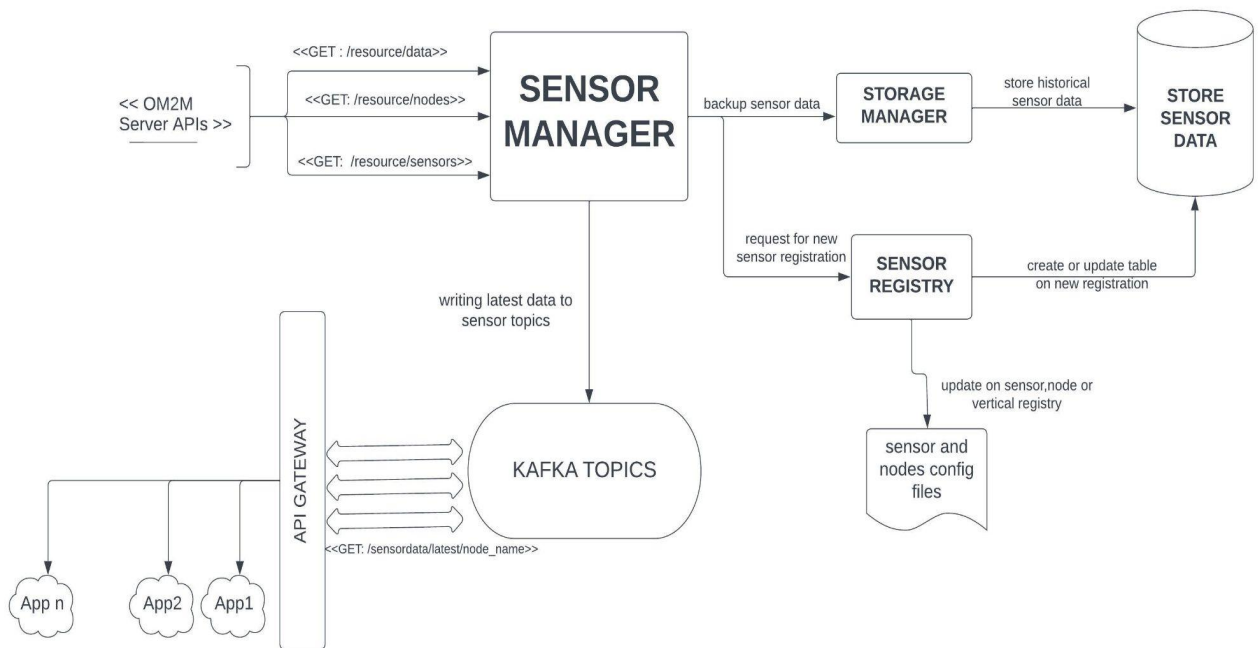Dishant Sharma (2022202019)
Nikhil Chawla (2022201045)

SAMPLE APPLICATION

SENSOR MANAGER

<<GET : /resource/data>>

<< OM2M Server APIs >>

<<GET: /resource/nodes>>

<<GET: /resource/sensors>>

SENSOR MANAGER

backup sensor data → **STORAGE MANAGER**

store historical sensor data → **STORE SENSOR DATA**

request for new sensor registration → **SENSOR REGISTRY**

create or update table on new registration

writing latest data to sensor topics

update on sensor,node or vertical registry

sensor and nodes config files

API GATEWAY

KAFKA TOPICS

<<GET: /sensordata/latest/node_name>>

App n

App2

App1

.. . .
. . .

WORKFLOW MODULE

WORKFLOW SERVICE DOCUMENTATION

App Dev will use to buid this

BLOB STORAGE

Message sent → **KAFKA TOPIC** → Message Read → **DEPLOYMENT MANAGER**

Gets stored in

application deployed

workflow.json

service 1

service 2

service 3

Sent to → **CODE GENERATOR & APPLICATION CREATOR** → Generated Code → **WORKFLOW APPLICATION**

VIRTUAL MACHINE

APPLICATION

WORKFLOW SERVICE

sensor data

wll use Platform Services

APPLICATION MANAGER

SENSOR MANAGER