**Individual Tasks**

**Kishan Byrosu –**

* Worked on Data processing of incoming incidents from the Data Streamer and Transmitter.
* Implemented analytical and logical unit in which the conditions on the incidents received from the data streamer and perform data transformation and validation are executed using Flink and AWS Glue.
* Built the flink code, that includes filtering stream1 and storing in a separate stream 2.
* Worked on creating a pipeline to stream the real-world data to perform analytical and logical operations and obtain the timely insights using Amazon Kineses.

**Bhuvana Prakash -**

* Used data Streamer to create a new pipeline for the data that has been transformed and filtered by the data processor.
* Worked on building an event-based compute system using AWS Lambda to pass the inputs and transmit further to Dashboards, Logs and Alerting Service.
* Implemented the alerting service to send alerts about incident information received from Data handler by using Amazon Simple Notification Service (SNS) to build a robust alerting service which sends notifications two ways, A2A and A2P.
* Built the lambda function for records.

**Shiva Sai Sampath Kumar –**

* Implemented the rendering of incidents on dashboard with respect to their severity, location, and the timestamp.
* Worked extensively on building visualizations for the data by using AWS Grafana.
* Handled processing, filtering of incidents that had to be pushed into a logging service for auditing and analytical purposes.
* Worked on monitoring CloudWatch to collect and track metrics, which are variables to measure the resources and applications.