

## SPRINT-1

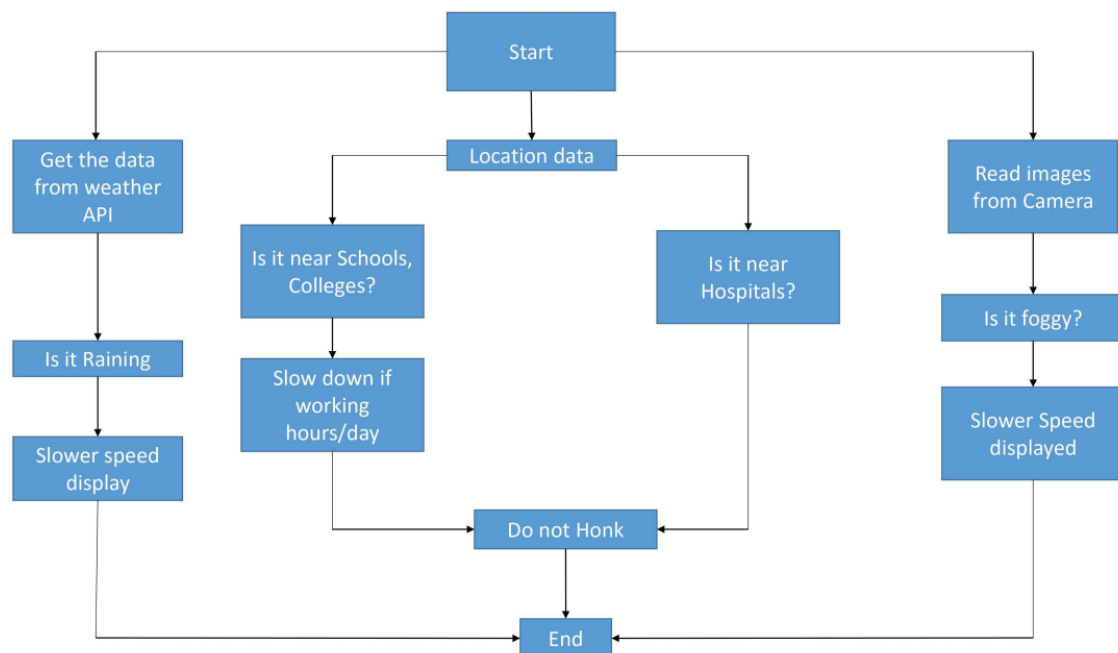
### Signs with Smart Connectivity for Better Road Safety

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Sprint Goals:

1. Create and Initialize accounts in various public APIs like Open weather API
2. Write a python code that output results given the inputs like weather and location

Code Flow:



Program Code:

Node.js:

```
let weather = require("./API_modules/weather")
// let airpollution = require("./API_modules/airpollution")
let nearby = require("./API_modules/nearby")
let { app } = require("./API_modules/requiredFiles.js") //multiple objects can be
imported

app.use(weather)
// app.use(airpollution)
```

```
app.use(nearby)
```

```
app.use("/", (req, res, next) => {  
  res.status(404).send("<h1>Result Not Found! Please append in URL</h1>")  
})
```

```
//-----
```

```
Weather.js
```

```
let {app,dotenv,axios,express}=require('./requiredFiles')
```

```
const router = express.Router()
```

```
dotenv.config()
```

```
const lat = 28.7041,lon = 77.1025;
```

```
const url1 =
```

```
`https://api.openweathermap.org/data/2.5/weather?appid=${process.env.API_K  
EY}&lat=${lat}&lon=${lon}&units=metric`
```

```
router.use("/weather",(req,res)=>{
```

```
  axios
```

```
    .get(url1)
```

```
    .then(function (response) {
```

```
      // console.log(response.data);
```

```
      resp.send(response.data)
```

```
    })
```

```
    .catch((err) => {
```

```
      console.log(err)
```

```
    })
```

```
  })
```

```
module.exports = router;
```

Output Screenshot :

```
1
{
  "coord": {
    "lon": 77.1025,
    "lat": 28.7041
  },
  "weather": [
    {
      "id": 711,
      "main": "Smoke",
      "description": "smoke",
      "icon": "50d"
    }
  ],
  "base": "stations",
  "main": {
    "temp": 30.06,
    "feels_like": 29.64,
    "temp_min": 30.06,
    "temp_max": 30.06,
    "pressure": 1011,
    "humidity": 39
  },
  "visibility": 1600,
  "wind": {
    "speed": 3.09,
    "deg": 290
  },
  "clouds": {
    "all": 0
  },
  "dt": 1667380847,
  "sys": {
    "type": 1,
    "id": 9165,
    "country": "IN",
    "sunrise": 1667351046,
    "sunset": 1667390767
  },
}
```