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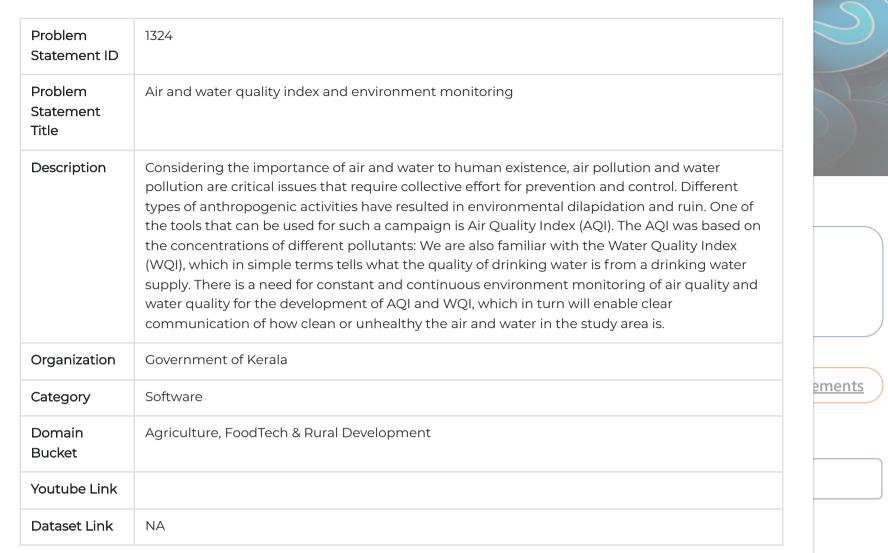
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## **PROBLEM STATEMENT DETAILS**





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| S.No. | Organization 1  | Problem<br>Statement Title↑↓   | Category ↑↓ | PS Number ↑↓ | Submitted Idea(s) Count ↑↓ | Domain<br>Bucket  |  |
|-------|---|--|-------------|--------------|----------------------------|---|--|
| 31    | Ministry of coal  | Development of<br>a Digital<br>Platform for<br>multi-modal<br>visibility of coal<br>transportation | Software    | SIH1317      | 0                          | Smart<br>Automation   |  |
| 32    | Ministry of coal  Analytics based on Govt. Land Information System(GLIS) Data  Software |  | Software    | SIH1318      | 0                          | Agriculture, FoodTech & Rural Development  Smart Automation |  |
| 33    | Ministry of coal  | inistry of coal Forecasting Software SIH1319 and scheduling of railway rakes.                      |             | SIH1319      | 0                          |   |  |
| 34    | Ministry of coal In-cab smart guidance and support system for Dragline Operator         |  | Software    | SIH1320      | 0                          | Smart<br>Vehicles   |  |
| S.No. | Organization  | Problem<br>Statement Title   | Category    | PS Number    | Submitted Idea(s)<br>Count | Domain<br>Bucket  |  |



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**PROBLEM STATEMENT DETAILS** 

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|            | blem<br>ement ID  | 1324  |   |   |   |  |                |                   |  |
|------------|-------------------|---|---|---|---|--|----------------|-------------------|--|
|            | blem<br>ement     | Air and v   | vater quality index and   | l environment monito  | oring   |  |                |                   |  |
| Des        | cription          | pollution<br>types of a<br>the tools<br>the conc<br>(WQI), w<br>supply. T<br>water qu | ring the importance of are critical issues that anthropogenic activities that can be used for sentrations of different hich in simple terms to here is a need for constality for the developm | require collective efforces have resulted in enuch a campaign is Air pollutants: We are alsells what the quality out and and continuous ent of AQI and WQI, v | ort for prevention and vironmental dilapidate Quality Index (AQI). To familiar with the Waf drinking water is from the volument monitor which in turn will enab | control. Different ion and ruin. One of he AQI was based on ater Quality Index m a drinking water ing of air quality and |                |                   |  |
|            |                   |   | nication of how clean o   | or unhealthy the air ar   | id water in the study a   | rea is.  | h<br>r         | า &               |  |
| Org        | anization         | Government of Kerala  |   |   |   |  |                |                   |  |
| Cate       | egory             | Software  |   |   |   |  |                | ulture.           |  |
| Dor<br>Buc | main<br>:ket      | Agriculture, FoodTech & Rural Development   |   |   |   |  |                | ulture,<br>Tech & |  |
| You        | tube Link         |   |   |   |   |  |                |                   |  |
| Data       | aset Link         | NA  |   |   |   |  |                |                   |  |
|            |                   |   |   |   |   |  |                | ulture,<br>Tech & |  |
|            |                   |   | KIOSK for Rural<br>India  |   |   |  | Rural<br>Devel | lopment           |  |
|            | Governm<br>Kerala | ent of  | Ideate and implement a system to  | Software  | SIH1326   | 0  | Smar           |                   |  |

| S.No. | Organization                             | Problem<br>Statement Title   | Category | PS Number | Submitted Idea(s)<br>Count | Domain<br>Bucket    |
|-------|--|--|----------|-----------|----------------------------|---------------------|
| 40    | Ministry of Information and Broadcasting | 360-degree<br>feedback<br>software for the<br>Government of<br>India related<br>News Stories in<br>Regional Media<br>using Artificial<br>Intelligence /<br>Machine<br>Learning | Software | SIH1329   | 0                          | Smart<br>Automation |
| 39    | Government of<br>Kerala                  | Ideate and implement a system to enhance the quality of education in rural areas.  | Software | SIH1326   | 0                          | Smart<br>Education  |
|       |  | Пиа  |          |           |                            |                     |

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## **PROBLEM STATEMENT DETAILS**

| Problem<br>Statement ID       | 1324   |  |  |  |  |
|-------------------------------|--|--|--|--|--|
| Problem<br>Statement<br>Title | Air and water quality index and environment monitoring   |  |  |  |  |
| Description                   | Considering the importance of air and water to human existence, air pollution and water pollution are critical issues that require collective effort for prevention and control. Different types of anthropogenic activities have resulted in environmental dilapidation and ruin. One of the tools that can be used for such a campaign is Air Quality Index (AQI). The AQI was based on the concentrations of different pollutants: We are also familiar with the Water Quality Index (WQI), which in simple terms tells what the quality of drinking water is from a drinking water supply. There is a need for constant and continuous environment monitoring of air quality and water quality for the development of AQI and WQI, which in turn will enable clear communication of how clean or unhealthy the air and water in the study area is. |  |  |  |  |
| Organization                  | Government of Kerala   |  |  |  |  |
| Category                      | Software   |  |  |  |  |
| Domain<br>Bucket              | Agriculture, FoodTech & Rural Development  |  |  |  |  |
| Youtube Link                  |  |  |  |  |  |
| Dataset Link                  | NA   |  |  |  |  |