Automated Solution to KSRTC for enhancing Fleet Operations

The operation of the buses of about 45OO nos are done without relying on any data or without automating the system in a typical normal fashion in KSRTC. The corporation is in the process of establishing a data-driven automate system/decision support system to enhance revenue. Unfortunately, this has not been successful so far. The following are the data available, which could be utilized effectively through the integration of the system which is already available for operation.

a) Data from VLTD.
b) Data from OBD of buses.
c) Data from i-Alert installed in Leyland buses.
d) Dashboard camera.
e) Passenger data from ETM.

KSRTC looking for a startup company that can come out with a project proposal to analyze the data and implement an automated solution supported by Al/Blockchain/Machine learning techniques in order to enhance the operational efficiency of the KSRTC fleet.

The EOI process

Kerala Startup Mission is approached by various Government Departments for the development of mobile and web applications. These requests are met through a facilitation deviced by KSUM. Kerala Startup Mission facilitates the entire process by helping departments to finalise technical specifications, circulating the same among startups, initial technical assessment and short listing for the committee to take final decision.

Following are the steps involved:

1. Call for Expression of Interest among startups incubated/registered with KSUM
2. Submission of EOI (in the link provided by KSUM)

3. KSUM to organize interaction with the Department for clarifying doubts and queries of interested startups.

4. Technical Proposals are then obtained from startups who have submitted the interest.

5. Technical proposals are then evaluated.

6. Startups who qualify the technical evaluation are then asked to submit the financial proposal.

7. L1 among the startups is identified by the method of Quality and Cost Based Selection (QCBS) wherein 70% marks for the technical proposal and 30% for the financial proposal.

8. The L1 startup is then recommended to the Department.

9. KSUM ensures that the startup delivers the product to the Department and the Department is satisfied with the work.

10. The payment is made directly by the department to the startup after signing an Agreement.

11. The Department is also expected to do the Security auditing of the application developed by the startup through CERT-K and also to host the application in the State Data Center

Eligibility for Startup to participate in the EOI

The startup has to be registered with Kerala Startup Mission and Startup India.