

Robot State Collector

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Salient Features

- **Easy to Use :** State Collection Algorithm which integrates easily with any code without any interference.
- **Authentication :** The GUI can only be accessed by those who have the log-in credentials provided at the time of registration.
- **Secure Transmission of Data :** GUI at Client Side for collecting the State Data and then encrypts the received data before sending it to the Server.
- **Secure Reception of Data :** Server Side Java code which is capable of decrypting the received data.
- **Verification of Data Integrity :** The Server side code is capable of detecting any manipulation done to the State Data.
- **Versatility :** State Collection Algorithm is versatile, hence can be used with any Robot. It was tested on Fire Bird V and Tiva Robot during the course of this Project.

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