Working nowadays has changed from working in a company, organization, or office to working at home to adapt to spread of the coronavirus, which has happened since 2019, it is still spreading continuous, The company has an idea to develop a system in Cube Human Resource Management (Cube HRM) use in an organization to facilitate work. However, it is necessary to test system to reduce the errors from the system’s operation. This system test user Automated Testing and Robot Framework to test system and uses Black Box Testing, Equivalence Partitioning, and Error Guessing Technique to help divide the data and design the test case. The systems that have been tested, such as time attendance for Check-in and Check-out systems, time attendance for My Leave and time attendance for training. The result of all the test system is that they can process, show the data complete, and accurate according to the requirements of users.