Development of science and technology has provided an influence on human life. Similarly, biometrics, which is a study to identify individuals based on physiological characteristics possessed by the individual, such as the face, retina of the eye, voice, hands, and fingerprints. Fingerprint of each individual person is unique, and different from each another. At the previous final project, has done research on fingerprint recognition system applied to the automatic portal system. This system is used to control a vehicle, especially when out with the fingerprint matching process by user / owner of a motor vehicle obtained at the time of entry. Based on the results of trials that have been done on automated portal system, known system can only be implemented by using one type of fingerprint scanner to make the implementation of the system becomes less flexible.

At this final project, do the automated portal system development based fingerprints. The expansion will be done that is manufacturing software portal system based automatic fingerprint using object-oriented programming language Microsoft Visual C#. The software will also be adding some drivers fingerprint scanner (which is compatible with Microsoft Visual C# programming language) so that the system becomes more flexible.

Keywords: biometrics, individual identification, fingerprints, parking portal system.