ABSTRACT

At this Final Duty contain concerning development of visualisation application Automatic Repeat reQuest (ARQ), that is a method error control for the transmission of data in form of frame using the reciprocation (acknowledgments) and expiration (timeouts).This application which is woke up present the graphical animation to each;every process in handling of mistake in the form of handling frame error, frame lose, ACK and NACK, at method Stop-and-Wait ARQ, Go-back-N ARQ and Selective-Reject ARQ.

This visualisation use the language visual basic 6.0 and Microsoft Windows Xp service pack 2 as operating system. This application have the character of executable. Visualizing in the form of this animation is expected can assist the consumer in study and make the consumer more take an interest in the lesson of Network Computer and Communications Data.

Keywords : *ARQ, Frame*, *Acknowledgment*, *Timeouts*, *ACK, NACK, Stop-and-Wait ARQ, Go-back-N ARQ* dan *Selective-Reject ARQ*