This  research  has  been  purposed  to  develop   MIS-tool  Program interfacing  between microcomputer  and mainframe (SPERY UNIVAC  1100/60). Emulator terminal   card and the Computer Logic company's Software, which consisted with PEP : COMPUTER LOGICS PERSONAL EMULATOR PACKAGE and UPIF : PEP'S USER PROGRAM INTERFACE, were selected to use to develop mainframe terminal from microcomputer and to transfer the data  files from mainframe to microcomputer.The program could process those functions easily and automatically. The MIS-tool program was written in C-language under DOS. The software package SPSS on mainframe will select the data file from mainframe, then  transfer  the  data  files  into  microcomputer,so that,  the  users  can promptly operate the microcomputer software such as dBASE, LOTUS, in the administration of information system.

The  research  comes  to  the  result  that  MIS-tool  can  connect  to mainframe, retrieve data  from sequential text files and    character files on mainframe, and transfer data files into microcomputer precisely under DOS. From the test, it has been founded that MIS-tool can actively transfer the data file about 500 records from mainframe computer into microcomputer disk within only 12 minutes. And the users could use the microcomputer software to generate reports within less than 5 minutes.

ภาควิชา............วิศวกรรมคอมพิวเตอร์............  ลายมือชื่อนิสิต............................

สาขาวิชา............วิทยาศาสตร์คอมพิวเตอร์............  ลายมือชื่ออาจารย์ที่ปรึกษา............................

ปีการศึกษา............2538............  ลายมือชื่ออาจารย์ที่ปรึกษาร่วม............................