

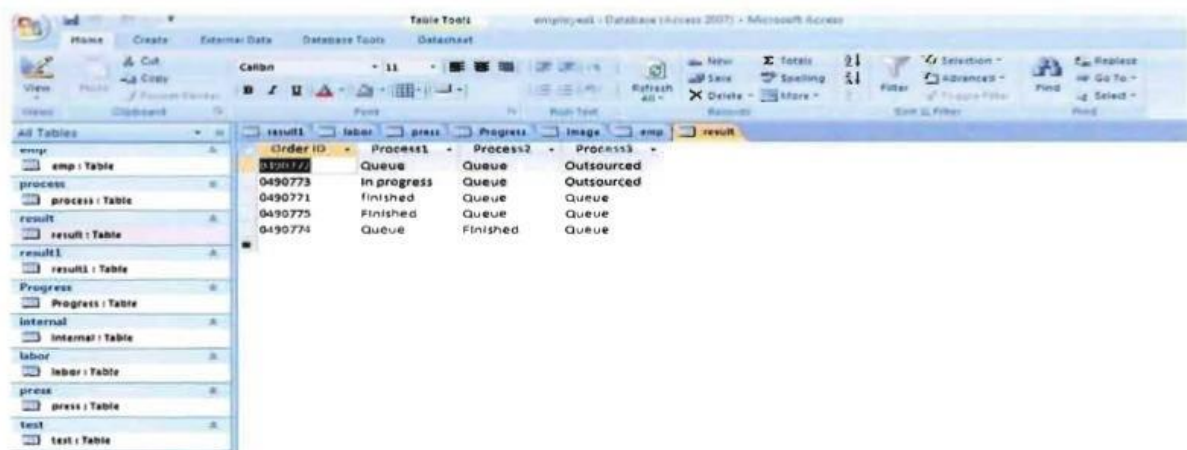
## COMPUTERIZED INFORMATION SYSTEM FOR SMALL MANUFACTURING COMPANY

The main purpose of work was to design and develop information system for company to assist in improving the effectiveness of there manufacturing processes. The proposed system was designed to assist a small manufacturing company transition from traditional methods of record keeping and reporting to scheduling and planning utilizing enterprising software.

The system includes basic functionality for general manufacturing processes and is customized to fit the requirements of the company. The new system has established a structured flow connecting the all the basic processes starting from entry of custom order in the system to finalizing the customer order and dispatch.

This will potentially assit the company to trace the production process and allows for monitoring the production process in the shop floor through various checkpoints. Anticipated preliminary outcomes from a new system would be to assist the company to manage the inventory, and to schedule the work process.

Structure of database for system is presented on fig. 1



Order ID	Process1	Process2	Process3	emp	result
0490773	Queue	Queue	Outsourced		
0490773	In progress	Queue	Outsourced		
0490771	finished	Queue	Queue		
0490775	Finished	Queue	Queue		
0490774	Queue	Finished	Queue		

Figure. 1. Screenshot of database for company

During the research various procedures were carried out starting from collecting information to coding and finalizing the system. Data was collected in various stages by using the field visit, observation, interview, and discussion in joint session. The collected data was finalized and approved by consecutive consultation with the concerned authorities. Coding, debugging and integration were the other procedures followed while developing the software. Coding was done in Visual Basic 2008, database was designed with the Microsoft Access, and the Crystal Report was used for the reporting

### Literature

1. Wanke, P.F., Zinn, W. (2004). Strategic logistics decision making, *International Journal of Physical Distribution & Logistics Management*, 34(6),466-478.
2. Zhang, L., Lee, M. K. O., Zhang, Z., & Banerjee, P. (2003). Critical Success Factors of Enterprise Resource Planning Systems Implementation Success in China, *36th Annual Hawaii International Conference on System Sciences (HICSS'03)*, 8,236