

PITIPONG LOUDTRAGULNGAM : ESTABLISHMENT OF A PRODUCTION PLANNING UNIT IN A DYEING FACTORY. THESIS ADVISOR : ASSO. PROF. CHAROON MAHITTAFONGKUL, ASSO . PROF.VANCHAI RIJIRAVANICH, PH.D. 200 pp. ISBN 974 - 579 - 912 - 2

The purposes of this research are to establish a production planning unit, and to set up production planning system for an illustrated dyeing factory. The function of this unit will consist of coordination with others units in the organization, planning systems, and production schedules by using a computer program "Master Production Schedule (MPS) ".

The method of the research begins with the study of production management system of a factory, then the restructuring of the organization chart by adding a production planning unit. The strategies used include the specification of job description, recruitment, meeting, production planning and job scheduling.

The setting up of a production planning unit will enable us to devise the organizational chart which will fit into modern management and to have a group of persons who will be directly responsible for production planning. Moreover, this unit will help to increase the productivity by using information system and arrangement of production schedules with the aid of a micro computer. This computer system can be modified by the addition of material requirement plan and purchasing system.