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KEY WORD: DISTRIBUTED DATA MODEL/LIBRARY/UNIVERSITY

VILAIPHORN VARNNASIRIKUL : DESIGN OF DISTRIBUTED DATA MODEL
FOR UNIVERSITY'S LIBRARY. THESIS ADVISOR : CHARUMATR PINTONG,
DR. YUNGYONG TENG-AMNUAY, 175 pp. ISBN 974-583-140-9

The purpose of this thesis is the design of logical data model and to build the prototype of relational database for the distributed database of university's library, which use CHULALONGKORN UNIVERSITY for case study. This thesis includes system for library, suggestion system, ordering system, bibliography system, circulation and reservation system. The data model is separated into two levels as follow :

1. Logical data model, after system analysis and design which consider entity and relationship model.
2. Relational data model, which modifies logical data model for the real system.

Furthermore, development of the prototype from data model uses ORACLE in form of distributed database to test the model. The result is practical as included.