

**Multi-purpose Record Provider (MRP)  
A Transaction Processing System**

**A Special Problem**

**Presented to**

**the Faculty of the Department Mathematical Sciences & Computer Studies**

**De La Salle University-Dasmariñas**

**Dasmariñas, Cavite**

**In Partial Fulfillment**

**of the Requirements for the Degree**

**Bachelor of Science in Computer Science**

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**ABSTRACT**

**NAME OF INSTITUTION:** De La Salle University-Dasmariñas

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**TITLE:** Multi-purpose Record Provider (MRP)  
A Transaction Processing System

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**OBJECTIVES OF THE STUDY:**

**A. GENERAL**

// The primary objective of this proposal is to design a system that will aid the DMSCS and CSPC in their endeavor to hasten work procedures and eliminate hassles in accessing student and grades. //

**B. SPECIFIC**

1. to develop a design for MRP
2. to design a system that would automate manual procedures such as recording grades in the teacher's class record and its computation
3. to integrate a function that generates reports of final grades and current grades (in replacement of the conventional class record)
4. to test and debug the model obtained in (1) and
5. to develop a prototype version of the transaction processing system (TPS).

**SCOPE AND COVERAGE:**

<sup>1/</sup> MRP focuses on the computation of student grades, generating output such as final grades for the grading sheets, class records and report cards. Simple summary reports of the computed grades of a student are presented in every transaction made by the DMSCS Chair (for the report card), and DMSCS Faculty (for the final grades). <sup>2/</sup>

**METHODOLOGY:**

In the development of MRP, the traditional systems development life cycle method was used. Identification, analysis, prioritizing and arranging the users' needs, programming or coding, testing, debugging and installation were done.

**OUTPUT OF THE STUDY:**

MRP serves as an automated class record and at the same time generates or displays reports of the final grades of the students.

**CONCLUSIONS:**

The objectives were satisfied. The computation of grades was facilitated and MRP updates every transaction in each use of the system (for a specific record and option).

**RECOMMENDATIONS:**

Development of more effective designs (user interface) to make the system more user-friendly and understandable are strongly recommended. Another category can also be added to compute for the grades in computer laboratory subjects because MRP presently focuses on lectured math and computer sessions only. Moreover, a ranking procedure may bring more functionality to the system if integrated.

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