

# ONLINE JOB APPLICATION WITH HUMAN RESOURCE MANAGEMENT SYSTEM FOR EMPIRE INTERNATIONAL HUMAN RESOURCES, INC.

An Undergraduate Research Proposal Presented to
The Computer Studies Department
College of Science
De La Salle University-Dasmariñas

In Partial Fulfillment of the Requirements for the

Degree of Bachelor of Science in

Information Technology

Marquez, Marlyn Joyce B.
Paranis, Sabrina G.
San Juan, Mariell Eunice S.

October 2011



#### **ABSTRACT**

Online Job Application with Human Resource Management System of Empire International Human resources, Inc. is developed to solve certain problems occurring in EIHRI'S existing system.

The Online Job Application with Human Resource Management System will let the applicants have an account to submit and fill up an online resume wherein the applicants will have the convenience to choose jobs that are suitable for them Applicants will be notified of their progress by the EIHRI's administrator. The system will be an aid of communication between the agency and the applicants.

The clients will also have their own account once the client and EIHRI decide to do business together. Their account will give them the convenience for job ordering, monitoring and screening applicants who apply for their ordered job.

The system will also allow the administrator to endorse the company that will let the client view and explore the details about EIHRI. The Online Job Application with Human Resource Management System will allow the administrator to post job vacancy, delete job vacancy, edit job vacancy, view applicant resume, and notify or update applicants as well as the clients of the job vacancy/order update. The administrator can also communicate with the clients and applicants through video conference using Skype. The Online Job Application with Human Resource Management System also sorts the applicants resume according to their qualifications

# De La Salle University – Dasmariñas

and field of job. Through this, the job application system of Empire International Human Resources Inc. will be easy and reliable.

The system will make the pooling applicants' process faster and easier. By just one click, the administrator could view resumes, applications and job orders instantly. The administrator could then notify the applicant for a schedule of interview and/or meet ups and updates. If the applicants pass the interviews, the administrator could deploy them online by just a click and then, automatically generate a report in a tabular format that shows applicants who are deployed.

The study aims to lessen the tedious recruitment process done by the employees, the time consumed in pooling applicants and most specially the money spent in communicating and advertising with the applicants and clients. The developed system is an advantage to Empire International Human Resources Inc. because it will automate the company's existing system while providing faster and convenient transactions and operations that would help them become globally competitive.



## TABLE OF CONTENTS

Abstract			i
Acknowledgement			iii
Table of Contents			v
			Page
1.	Introduction		
	1.1	Background of the Study	1
	1.2	Statement of the Problem	6
	1.3	Statement of Objectives	
		1.3.1 General Objective	8
		1.3.2 Specific Objectives	8
	1.4	Significance of the Study	9
	1.5	Scope and Limitations of the Study	11
	1.6	Methodology of the Study	13
2.	Revie	ew of Related Literature	22
3.	Theoretical Framework		
	3.1	Statement of Assumptions	30
	3.2	<b>Operational Definitions</b>	
		3.2.1 Definition of Terms	31
		3.2.2 Definition of Process	33
	3.3	Theories used in the study	
		3.3.1 Database Management System	36

### De La Salle University – Dasmariñas 3.3.2 Data Flow Diagram (DFD) **37** 3.3.3 **Entity Relationship Diagram** 40 3.3.4 Normalization 41 3.3.5 Structured Query Language 42 **Human Resource Management** 43 3.3.7 E-Recruitment 44 4. **The Existing System** 4.1 **Description of the System** 46 4.2 **Inputs 50 Processes** 4.3 51 4.4 **Files** 57 4.5 **Outputs** 58 4.6 **Data Flow Diagram 60** 4.7 **Problem Areas** 60 5. The Proposed System **System Overview 5.1** 64 5.2 **System Objectives** 65 5.3 **Scope** 66 **System Justification 5.4** 68 6. Design **70** 6.1 Inputs **6.2 Processes 72**

## vii De La Salle University – Dasmariñas **6.3 Files** 77 **6.4 Outputs** 80 7. Implementation **7.1 Resource Requirements** 81 7.2 Installation Plan 83 8. Conclusion and Recommendation **8.1 Conclusion** 86 **8.2 Recommendation** 86



**Appendices** 

Appendix A

**Data Flow Diagram (Existing System)** 

Appendix B

**Data Flow Diagram (Proposed System)** 

Appendix C

**Entity Relationship Diagram** 

Appendix D

Normalization

Appendix E

**Sample Inputs and Outputs (Existing System)** 

Appendix F

Sample Reports (Proposed System)

Appendix G

**Screenshots** 

**Bibliography**