****

**Final Training Report**

Practical Training

Student Name: Al\_hassan Ali Abed Alrahman

Student ID: 20100173029

Student Mobile: 0786002364

Student Email: al\_hassan\_cs@yahoo.com

Department: Computer Science

Faculty of Computer & Information Technology

Submission date: 21-9-2014

Company Name: gce soft

Company Address: amman-Wasfi Al Tal Street

Employer Supervisor Name: Amjad Abdelkarim

Mobile: +962-799199098

Email: a.abdelkarim@gcesoft.com.jo

**Content:**

**1. Introduction**

1.1. Company Profile

1.2. Outline of training program

**2. Training Program Biweekly Analysis**

2.1. First Month (15/6/2014 – 15/7/2014)

2.2. Second Month (15/7/2014 – 15/8/2014)

2.3. Third Month (15/8/2014 – 15/9/2014)

**3. Evaluations and Recommendations**

**1. Introduction:**

**1.1. Company Profile:**

􀂾 **P.O.Box:** 481, Tla' Al-Ali 11953 Jordan 􀂾 **Web Site**: www.gcesoft.com.jo

􀂾 **Phone:** *+962-6-553 6608* 􀂾 **Fax:** *+962-6-553 6607*

**Introduction:**

Established in 1993, **GCESoft’s** mission is to provide high quality software solutions

with emphasis on barcode based mobile computing.

**Group**

**GCESoft** is a sister company to GCE, which was established in 1985 as the first IBM

Authorized PC Dealer in Jordan. While **GCESoft** specializes in providing Software and

Mobile Computing Solutions, GCE is focused on providing PC’s, Servers, Networking,

and related products. Between them, the 2 companies have about 130 Employees,

1.8 million JD in partners’ equity and Sales of about 12 million JD’s in year 2004.

**Company Structure**

**GCESoft** consists of the following departments:

􀂾 General Administration

􀂾 Sales

􀂾 Business Development Department.

􀂾 Alpha Business Systems

􀂾 Alpha Human Resources Systems

􀂾 Utility Solutions

􀂾 Route Sales and GPS (Fleet Tracking)

􀂾 POS Solutions

**Mobile Computing and Barcode Projects / Customers:**

􀂾 **UTILITIES**

Jordan Electric Power Company Hand-Held Utility Billing 320 HHU’s,

70 POS Units

Irbid District Electricity Company Hand-Held Utility Billing 150 HHU’s,

25 POS Units

Electricity Distribution Hand-Held Utility Billing 40 HHU’s

LEMA / Water Authority of Jordan Hand-Held Utility Billing 50 HHU’s

AbuDhabi Water and Electricity (UAE) Hand-Held Utility Billing 120 HHU's

Alain Water and Electricity (UAE) Hand-Held Utility Billing 100 HHU's

􀂾 **ROUTE SALES**

E-Company Route Sales 10 Vans

Arab Drug Stores Sales Force Tracking/ Order Taking 12

HHU’s

Sukhtian Group Sales and Invoice Tracking 80 HHU’s

Nestle Middle East (Jordan –

Lebanon – Syria - Kuwait-Oman-

Bahrain)

Route Sales 150 Vans

Transmed (Master Food) (Jordan-

Lebanon-Syria)

Route Sales 120 Vans

Hammoudeh Dairies Route Sales 80 Vans

Hammoudeh Poultry Route Sales 30 Vans

Teiba Dairies Route Sales 20 Vans

Aram & Hakob Van Sales, Order-taking 35 Vans

Katakit (Syria) Van Sales, Order-taking 5 Vans.

Bunniyeh Group (Iraq) Van Sales

􀂾 **Wireless Warehouse Management**

Royal Jordanian Airlines RF-Based Online Data Entry System for

Cargo Handling consisting of Hand-Held

Units, Fork-Lift Mounted Units, Access

Points to provide Wireless Lan, Microsoft

SNA Server, Telnet SW and connection to

IBM ES9000 Mainframe. 15 Units

Spinneys Wireless Warehouse Management 15

Units

DHL-Jordan Wireless Warehouse Management 6 Units

􀂾 **POS AND RETAIL**

Civil Consumers Corporation Retail Application, POS HW, Back Office

SW at 10 branches with 50 POS Units,

Servers, Networking and Remote

Communications.

Jordan Electric Power Company 70 IBM POS Systems in 40 locations for

Electric Invoices Payment

Irbid District Electric Company 25 IBM POS Systems in 3 locations for

Electric Invoices Payment

Medina and Other Supermarkets Over 50 IBM POS systems in more

than15 Retail Outlets

**Important SW Projects / Customers:**

􀂾 **Housing Bank**

**GCESoft** is a preferred SW supplier for non banking applications for the

Housing Bank. Since 1999, we have developed and implemented 6 Software

projects at the HB. The applications developed for the Housing Bank cover the

following areas:

1. Human Resources and Payroll

2. Fixed Assets

3. Stock Control and Purchasing

4. Shareholders Records

5. Historical Data Archiving (Converted from Wang System)

6. Investments Department (WEB Based)

7. Bank Authorizations and Access Keys

􀂾 **Nuqul Group**

Nuqul Group, a major manufacturing group of companies, uses Alpha Systems

in different 6 of its companies.

􀂾 **Cooperative Corporation**

Total SW applications at Coop Corp have been developed and implemented by

**GCESoft**. The applications developed for COOP cover following areas:

1. Budgeting

2. GL

3. Loans

4. Human Resources

5. Stock Control and Purchasing

6. Membership Records

􀂾 **Balqa’ University**

Alpha Systems are used in 25 Community Colleges for the training of

Accounting and Business Administration students. Alpha Systems are installed

on about 1000 PC’s at these colleges. This year, about 2500 students will take

the graduation exams having been trained on Alpha Systems.

􀂾 **Water Authority Of Jordan**

**GCESoft** is the local partner with SAFEGE, a leading French company in the

area of Customer Information Systems for Utilities, for supplying WAJ with CIS

SW, Servers and PC’s, Lans, WAN and Data Communications facilities to cover

all WAJ branches in Jordan to service about 600,000 Customers.

􀂾 **ABC Bank**

Using ALPHA Human Resources System which consists of 15 modules

managing all aspects of Human Resources Management from the JOB

Application to Termination of Service.

**Software Solutions / Products:**

􀂾 **ALPHA Business Systems**

Alpha Systems is an Integrated Business Application for Commercial,

Manufacturing and Service companies. The application has a bilingual user

interface and consists of the following integrated modules:

􀂃 General Ledger

􀂃 Accounts Receivable

􀂃 Accounts Payable

􀂃 Stock Control and Sales

􀂃 Purchasing

􀂃 Personnel & Payroll

􀂃 Production Costing and BOM

􀂃 Shareholders (for Public Shareholding Companies)

Alpha Systems is currently used by a large number of customers in Jordan,

please refer to **GCESoft's** customer list. It has also been selected by Balqa’

University for teaching Accounting and Business Administration students in all

community colleges, about 25 colleges.

􀂾 **ALPHA Human Resources System**

This system consists of 15 modules managing all aspects of Human Resources

Management from the JOB Application to Termination of Service.

It is used by several important customers such as Housing Bank (Jordan and

Palestine), ABC Bank, The Real Estate Company and International Tobacco

Company.

􀂾 **Meter Reading and Doorstep Billing**

A system designed to improve the billing operations of utilities and is being

used by all the utilities in Jordan, and also in the region. The system is a

complete Hardware, Software, and Communications SW. It consists of the

hand-held software and the server software for integration with the Host-Based

Customer Information System.

􀂾 **Sales Tracking/ Order Taking.**

􀂾 **Van/Route Sales.**

􀂾 **Retail POS Systems.**

􀂾 **Stock Taking and Fixed Assets Tracking Using Portable Data**

**Collectors.**

􀂾 **RF Based Data Collection Systems.**

**Software Development Environments**

Our software engineers are developing applications using the following Platforms:

􀂾 Access + VBA and VB.Net for Alpha Systems (SQL Server or Oracle RDBMS)

􀂾 Java Script, Html, ASP for Web Enabled Applications

􀂾 C for Dos-Based Hand-Held Computing

􀂾 Visual Basic and/or Visual C++ for Pocket PC Based Hand-Held Computing

􀂾 Code Warrior for Palm OS Based Mobile Computing.

**International Suppliers / Partners**

􀂾 **GCESoft**

􀂃 Symbol Technologies.

􀂃 Zebra Technologies.

􀂃 IBM RSS for POS Systems.

􀂃 Radix International (Portable Printers).

􀂃 Extech Instruments (Portable Printers).

􀂃 Socketcom for Mobile GPS Receiver

􀂃 Falcom GSM and GPS solutions.

􀂃 VASCO.

􀂃 PAXAR.

􀂾 **GCE**

􀂃 IBM PC’s and Servers

􀂃 Fujitsu Siemens PC’s and Servers

􀂃 Lexmark Printers

􀂃 Brother Printers

􀂃 QMS/Minolta Printers

􀂃 Phillips Multimedia Data Shows

􀂃 Intergraph GIS

􀂃 Various Networking Suppliers

􀂃 Microsoft

􀂃 SCO UNIX

􀂃 Novel

1 1.2. Outline of Training Program:

- Desktop application using C#

Build windows form desktop application and connect it

With database , using datagrid and make some functionallity

Using c# desktop application.

- Windows services using C#

Lern how to build windows services application ( desktop

Application running in the background of windows.

- Windows mobile

Build some application and connect it with database

Running on windows mobile devices .

- Web services

Build some webservies application (client server application

In c# .

- Crystal report using C#

f Learn how to build a report on a database ( retrieve

data and make report about it ).

- SQL Server database

Connecting c# desktop or mobile application with sql

Server data base , using operations on it , using function

Trigger and procedure.

**2. Training Program Biweekly Analysis:**

2.1. First Month (15/6/2014 – 15/7/2014)

At the first time MR.amjad give me a small task ( normal

tasks ) to test me and to see my skills in programming, he

said “take you time” and when he see my skills and quick

in programming he give to me more and more tasks focus

on OOP skills to build desktop application in c# (windows

form application) then the task became hard and hard

and the SQL server connection is required from me to

connect my desktop application with database and make

and make database operation on it ( insert,update,delete,

create,modify,drop,select) using some tool in C# like datagrid,datalist …. , then I learn how to build

windows service application(application in background

of windows )

and in this month the speed is required from me at the end of month.

2.2. Second Month (15/7/2014 – 15/8/2014)

In this month the database (sql server) skills is the most

Important things I learned it , at the first time he learn me

Some technique like , make import, export , backup,and

Move to database then he learn to me about trigger, procedure

And function in sql server . he learn me how to make

Desktop application with multi languages and how to

Generate my application as setup file and at the end of month

He learn to me some basic of crystal report,windows mobile

And webservices.

2.3. Third Month (15/8/2014 – 15/9/2014)

In this month he focus more on OOP concepts to build any

Application in efficient way , learn more about how to

Program in fast ways ( this skills is required in any where)

Then I start making reports , retrieving data from database

And make any report on it , then I’m started build windows

Mobile application working in mobile device and connect

It to database (sql server compact) and make any operation

On it . The he learn me how to make webservices ( client

and servier application) using C# .

**3. Evaluation and Recommendations:**

The training plan is provide me many new skills and improve my old

Skills in Programming Under the supervision of good employer

- learn me how to make my code as fast as possible

- learn how to connect to database without any problem

-Making reports is good skills I learned it

- windows services application new thing I interested in , this is

good to me in feature

- windows mobile is on of scarce skills in the Jordanian market

and our company Is provide it to many company

About company :

This company is bery comfortable and and the team is very

specialize and good In programming , you need to be professional

to join with the company team

I hope to be one of them in the feature when I graduate .