Supporting Documents

Criteria: 1.3.2 & 1.3.3

GULZAR GROUP OF INSTITUTIONS • KHANNA • LUDHIANA

Index

S No.	Name of the Documents	Page No.
1	Front pages and Students Declaration Proofs of Student Project Reports CSE	1-54
2	Students Training/ Internship certificates CSE	55-100

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

LARAVEL, PHP/MySQL BASED ONLINE EXAMINATION SYSTEM

PROJECT REPORT

BTCS- 703

Submitted in partial fulfillment of the

requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Gulzar Group of Institutes

UNDER THE GUIDANCE OF:

ER. DEEPIKA SINGH

SUBMITTED BY:

AAMIR MOHIUDDIN (1707631)
MIR ZUBAIR (1707699)
DIVYANSHU HARSH (1707664)
HARIS HILAL (1707672)
HUZAIF UN NABI (1707679)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲਪੰਜਾਬਟੈਕਨੀਕਲਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **LARAVEL,PHP/MySQL BASED ONLINE EXAMINATION SYSTEM** in partial fulfillment of the requirements for the degree of**Bachelor of Technology in Computer Science and Engineering**, submitted in the **Department of Computer Science and Engineering**, Gulzar Group of Institutes, Khanna, Punjab by**MIR ZUBAIR (1707699), HARIS HILAL (1707672), HUZAIF UN NABI (1707679), DIVYANSHU HARSH (1707664), AAMIR MOHIUD DIN (1707631)**is the authentic record of our own work carried out under the supervision of **Er. Deepika Singh,** Department of CSE, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Mir Zubair, Haris, Huzaif, Divyanshu, Aamir

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD

Dr. Ankit Bansal

Date: 29/12/2020

DSingh 29/12/2020

Signature of Supervisor

Er. Deepika Singh

GULZAR GROUP OF INSTITUTIONS KHANNA LUDHIANA

VEHICLE SHARING SYSTEM

PROJECT REPORT

(BTCS-703)

Submitted in partial fulfillment of the

requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE ENGINEERING

GGI
Sharpening Minds, Brightening Tomorrow.
Gulzar Group of Institutes

UNDER THE GUIDANCE OF Er Gurwinder Kaur Assistant Professor (C.S.E)

Submitted by

AAKARSHIT BATRA (1806867), TARANDEEP SINGH (18068930)

JASKARANVIR SINGH(1606704)

KAPURTHALA

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,
JALANDHAR

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, Online Vehicle Sharing System, in partial fulfilment of the requirements for the degree of B.Tech(CSE), submitted in the Computer science, Gulzar Group of Institutes, Khanna, Punjab; by Tarandeep Singh Chauhan(1806893), Aakarshit Batra (1806867), Jaskaranvir Singh(1606704)_is the authentic record of our own work carried out under the supervision of Er Gurwinder Kaur(CSE), Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Aakarshit

Tarandeep

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD

Signature of Supervisor

GULZAR GROUP OF INSTITUTIONS • KHANNA (LUDHIANA) •

4

PHP BASED ONLINE MEDICAL CONSULTATION

PROJECT REPORT

(BTCS-703)

Submitted in partial fulfillment of the

Requirements for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE ENGINEERING

GGI
Gulzar Group of Institutes

UNDER THE GUIDANCE OF

ER. DEEPIKA SINGH

SUBMITTED BY:

RAVDEEP SINGH (1707721)

ISHDEEP KAUR (1707680)

DIKSHA KOUNDAL (1707660)

NAVI MEHMI (1707706)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **PHP BASED ONLINE MEDICAL CONSULTATION**, in partial fulfillment of the requirements for the degree of **Bachelor of Technology (COMPUTER SCIENCE ENGINEERING)**, submitted in the **Department of Computer Science and Engineering**, Gulzar Group of Institutes, Khanna, Punjab, by **Ravdeep Singh (1707721), Ishdeep Kaur (1707680), Diksha Koundal (1707660) and Navi Mehmi (1707706)** is the authentic record of our own work carried out under the supervision of **Er. Deepika Singh, CSE**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Koundal Ishdeep Kaur Ravdeep Singh Navi Mehmi

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD

Dr. Ankit Bansal

Date: 30/12/2020

30/12/2020

Signature of Supervisor

Er. Deepika Singh

GULZAR GROUP OF INSTITUTIONS KHANNA LUDHIANA

6

SMARTPHONE SURVEILLANCE SYSTEM

PROJECT REPORT

(BTCS-703)

Submitted in partial fulfilment of the

Requirements for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE ENGINEERING

GGI
Sharpening Minds, Brightening Tomorrow
Gulzar Group of Institutes

UNDER THE GUIDANCE OF

DR. SITA RANI

SUBMITTED BY:

NAGENDER KUMAR (1707704)
SONU CHOUDHARY (1707736)
VISHAL YADAV (1707752)
SHAMSHER (1707731)
POOJA KUMARI (1806884)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS * KHANNA-LUDHIANA *

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **SMARTPHONE SURVILLEANCE SYSTEM**, in partial fulfillment of the requirements for the degree of **Bachelor of Technology (COMPUTER SCIENCE ENGINEERING)**, submitted in the **Department of Computer Science and Engineering**, Gulzar Group of Institutes, Khanna, Punjab, by **Nagender Kumar (1707704), Vishal Yadav (1707752), Sonu Choudhary (1707736), Shamsher (1707731), and Pooja Kumari (1806884)** is the authentic record of our own work carried out under the supervision of **Dr. Sita rani, CSE**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Pooja kumari, Sonu chaudhary, Shamsher, Nagendar kumar, Vishal yadav

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

31/12/2020.

Signature of Supervisor

Dr. Sita Rani

Signature of HOD

Dr. Ankit Bansal

GULZAR GROUP OF INSTITUTIONS * KHANNA-LUDHIANA *

Date:

8

VIRTUAL BLOOD BANK MANAGEMENT

PROJECT REPORT

(BTCS-703)

Submitted in partial fulfilment of the

Requirements for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

GGI

Sharpening Minds. Brightening Tomorrow.

Gulzar Group of Institutes

UNDER THE GUIDANCE OF:

ER. DEEPIKA SINGH

SUBMITTED BY:

DIMPLE (1707661)

ANMOLDEEP SINGH (1707646)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS • KHANNA (LUDHIANA) •

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled **Virtual Blood Bank Management**, in partial fulfilment of the requirements for the degree of **Bachelor of Technology in Computer Science and Engineering**, submitted in the **Department of Computer Science and Engineering**, Gulzar Group of Institutes, Khanna, Punjab; by **Dimple (1707661) and Anmoldeep Singh (1707646)** is the authentic record of our own work carried out under the supervision of **Er. Deepika Singh, Department of CSE**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Dimple Anmoldeep Singh

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

30/12/2020

Signature of HOD **Signature of Supervisor**

Dr. Ankit Bansal **Er. Deepika Singh**

Date: 30/12/2020

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

10

LIFE SAVER

PROJECT REPORT

BTCS-703

Submitted in partial fulfillment of the

requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

GGI

Sharpening Minds. Brightening Tomorrow.

GULZAR GROUP OF INSTITUTES

UNDER THE GUIDANCE OF :

DR. SITA RANI

Submitted by :

PIYUSH KATHURIA (1835240)

RITISH KAUSHAL (1806888)

LOVIN KAUSHAL (1806880)

KAPURTHALA

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **LIFE SAVER**, in partial fulfillment of the requirements for the degree of **B.TECH COMPUTER SCIENCE ENGINEERING**, submitted in the , Gulzar Group of Institutes, Khanna, Punjab; by **PIYUSH KATHURIA(1835240), RITISH KAUSHAL(1806888), LOVIN KAUSHAL(1806880)** is the authentic record of our own work carried out under the supervision of **DR.SITA RANI, COMPUTER SCIENCE ENGINEERING**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Piyush Kathuria Ritish Kaushal Lovin Kaushal

Signature of HOD **Candidate(s) Signature** **Signature of Supervisor**

DR.ANKIT BANSAL **DR.SITA RANI**

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA LUDHIANA

12

MEHFIL : THE MUSIC STREAMING APP

PROJECT REPORT

(BTCS-703)

Submitted in partial fulfillment of the

requirements for the award of the degree

of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE

Sharpening Minds, Brightening Tomorrow.
Gulzar Group of Institutes

UNDER THE GUIDANCE OF

STUDENTS NAME (Roll. No.)

PARMINDER SINGH 1707710

NIKIT SHARMA 1707709

TANVIR SINGH 707744

LOVELEEN SINGH 1707693

SIMRAN SINGH 1707734

KAPURTHALA

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDH

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **MEHFIL** in partial fulfillment of the requirements for the degree of **BACHELOR OF ENGINEERING IN CSE**, submitted in the **COMPUTER SCIENCE**, Gulzar Group of Institutes, Khanna, Punjab; by **PARMINDER SINGH(1707710), NIKIT Kumar(1707709), TANVIR SINGH (1707744), LOVELEEN SINGH(1707693), SIMRAN SINGH(1707734)** is the authentic record of our own work carried out under the supervision of **Supervisor Name, Department Name**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Tanvir Singh, Loveleen Singh, Simran Singh, Nikit, Parminder Nikit

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD **Signature of Supervisor**

HOD Name **Supervisor Name**

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA (LUDHIANA)

Non-Real-time database to Real-time database

(Web chatting application)

PROJECT REPORT

Under the guidance of
ER Diksha Rani

BTCS 703

Submitted in partial fulfillment of the

requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY
IN CSE

Sharpening Minds, Brightening Tomorrow.
Gulzar Group of Institutes

UNDER THE GUIDANCE OF ER. DIKSHA RANI

Vikash Kumar (1707-749)

KAPURTHALA

ਆਈ.ਕੇ. ਗੁਜਰਾਲਪੰਜਾਬਟੈਕਨੀਕਲਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **Non-Real Time Database to Real-Time Database** , in partial fulfillment of the requirements for the degree of **B. Tech CSE**, submitted in the **Computer Science Engineering Department**, Gulzar Group of Institutes, Khanna, Punjab; by **Vikash Kumar (1707749)**is the authentic record of our own work carried out under the supervision of Er. **Diksha Rani, CSE**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Vikas Kumar

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD

Signature of Supervisor

HOD Name

Supervisor Name

Diksha Rani

Date:

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

WAREHOUSE MANAGEMENT SYSTEM

PROJECT REPORT

(BTCS-703)

Submitted in partial fulfillment of the requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

Sharpening Minds, Brightening Tomorrow.
Gulzar Group of Institutes

UNDER THE GUIDANCE OF:

ER. DEEPIKA SINGH

SUBMITTED BY:

SHEHREEN FATIMA ZAIDI (1707733)

SAKSHI (1707728)

DIVAKAR (1806872)

KISHAN (1707688)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **Warehouse Management System**, in partial fulfillment of the requirements for the degree of **Bachelor of Technology**, submitted in the **Computer Science Engineering**, Gulzar Group of Institutes, Khanna, Punjab; **by Shehreen Fatima Zaidi (1707733), Sakshi (1707728), Divakar (1806872), and Kishan(1707688)** is the authentic record of our own work carried out under the supervision of Er. Deepika Singh, Computer Science Engineering, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any otherdegree

Candidate(s) Signature Divakar Kumar Kishan Verma Sakshi Sharma Shehreen Fatima Zaidi

This is to certify that the above statement made by the candidate is correct to the best of my knowledge andbelief.

30/12/2020

SignatureofHOD **Signature of Supervisor**

HODName **Supervisor Name**

Dr.Ankit Bansal **Er. Deepika Singh**

Date: 30/12/2020

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

18

ANDROID CAMERA BASED VISUAL OBJECT IDENTIFICATION

PROJECT REPORT

(BTCS703)

Submitted in partial fulfilment of the requirements for

the award of the degree of

BACHELOR OF TECHNOLOGY IN

COMPUTER SCIENCE & ENGINEERING

Sharpening Minds, Brightening Tomorrow
Gulzar Group of Institutes

UNDER THE GUIDANCE OF:

Er. ASEM DEBALA CHANU

SUBMITTED BY:

AMANPREET KAUR (1707639)

SUKHPREET KAUR (1707741)

GURVEER KAUR (1707671)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **Android based visual object identification**, in partial fulfillment of the requirements for the degree of **Bachelor of Technology**, submitted in the **Computer science and Engineering**, Gulzar Group of Institutes, Khanna, Punjab; by **Amanpreet kaur (1707639),Sukhpreet kaur(1707741),Gurveer kaur(1707671)**is the authentic record of our own work carried out under the supervision of **Er. Asem Debala Chanu**, Gulzar Group of Institutes, Khanna, Punjab.

Amanpreet kaur
Sukhpreet kaur
Gurveer kaur

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD

Signature of Supervisor

HOD Name

Supervisor Name

GULZAR GROUP OF INSTITUTIONS KHANNA (LUDHIANA)

SYSTEM DEBUGGER

PROJECT REPORT

(BTCS703)

Submitted in partial fulfillment of the requirements

for the award of the degree

of

BACHELOR OF TECHNOLOGY IN

COMPUTER SCIENCE & ENGINEERING

GGI

Sharpening Minds, Brightening Tomorrow

Gulzar Group of Institutes

UNDER THE GUIDANCE OF:

Er.Gurwinder kaur

SUBMITTED BY :

Mansi(1707696), Gurmanpreet Kaur(1707668),

Ajay Singh Parmar(1707637), Kritika Kamboj(1707689)

Simranjeet Kaur(1707735)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GROUP OF INSTITUTIONS LUDHIANA

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **System Debugger**, in partial fulfillment of the requirements for the degree of **Bachelor of Technology in Computer Science & Engineering**, submitted in the **Computer Science & Engineering Department**, Gulzar Group of Institutes, Khanna, Punjab; by **Mansi(1707696), Gurmanpreet Kaur(1707668), Ajay Singh Parmar(1707637), Kritika Kamboj(1707689), Simranjeet Kaur(1707735)** is the authentic record of our own work carried out under the supervision of **Er.Gurwinder Kaur Computer Science & Engineering**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Mansi Gurmanpreet Kaur Ajay Kritika Kamboj Simranjeet Kaur

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Gurwinder Kaur

Signature of HOD **Signature of Supervisor**

HOD Name **Supervisor Name**

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

Sharpening Minds, Brightening Tomorrow.
Gulzar Group of Institutes

Final Project Report

"HEART DISEASE PREDICTION USING MACHINE LEARNING ALGORITHMS"

Submitted by:
(Abhishek Salaria 1707634
Barinder Singh 17007654
Radhika Kapoor 1707713
Jyotin Bhan 1806879
Qurba Rashid 1806886)

In Partial Fulfilment of the Requirements
For the Award of Degree of

Bachelor of Technology

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING
JUL-DEC, 2020

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA

23

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **HEART DISEASE PREDICTION USING MACHINE LEARNING ALGORITHMS**, in partial fulfilment of the requirements for the degree of **B.TECH(COMPUTER SCIENCE ENGINEERING)**, submitted in the **COMPUTER SCIENCE DEPARTMENT**, Gulzar Group of Institutes, Khanna, Punjab, by **Abhishek (1707634), Barinder Singh(1707654), Radhika (1707[illegible]), Jyotin (1806876), Qurba (1806886)** is the authentic record of our own work carried out under the supervision of **Dr. Ankit Bansal (HOD, CSE Department)**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Radhika

Jyotin

Qurba

Abhishek

Barinder

Signature of HOD | **Signature of Supervisor**

HOD Name | **Supervisor Name**

Date:

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

ERP SYSTEM FOR COLLEGE MANAGEMENT

PROJECT

REPORT

BTCS-703

Submitted in partial fulfillment of the

requirements for the award of the degree

of

BACHELOR OF

TECHNOLOGY IN

Computer Science and Engineering

Sharpening Minds, Brightening Tomorrow.
Gulzar Group of Institutes

UNDER THE GUIDANCE OF:

ER.ASEM DEBALA

SUBMITTED BY:

Sartaj Alam (1707729)
Munna Kumar(1707702)
Keshav Kumar(1707687)

KAPURTHALA

ਆਈ.ਕੇ ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS • KHANNA (LUDHIANA)

25

DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **ERP System**, in partial fulfillment of the requirements for the degree of **B.tech CSE**, in the Computer Science And Engineering Gulzar Group of Institutes, Khanna, Sartaj Alam (1707729) Munna Kumar (1707702) Keshav Kumar (1707687) It authentic record of our own work carried out under the Er. Asem Debala Group of Institues Khanna

We further declare that the matter embodied in this report has not been submitted by for the award of any other degree.

(1707702)
Munna kumar Sartaj Alam Keshav Kumar

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Asem Debala

Signature of HOD

Signature of Supervisor

HOD Name

Supervisor Name

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

E-commerce online shopping (ERIDER MART)

PROJECT REPORT

(BTCS-703)

Submitted in partial fulfillment of the

Requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE & ENGINEERING

Sharpening Minds, Brightening Tomorrow.
Gulzar Group of Institutes

UNDER THE GUIDANCE OF: MS. HARPREET GREWAL (ASSISTANT PROFESSOR)

SUBMITTED BY:

AIJAZ AHMAD MATHANJI (1707636)

JUNAID UL ISLAM (1707685)

FALAK KHURSHID (1707665)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲਪੰਜਾਬਟੈਕਨੀਕਲਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA

27

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **ERIDER MART** (Online shopping) in partial fulfillment of the requirements for the degree of **Bachelor Of Technology**, submitted in The **Computer Science and Engineering**, Gulzar Group of Institutes, Khanna, Punjab; by **AIJAZ AHMAD (1707636), JUNAID UL ISLAM (1707685), FALAK KHURSHID (1707665)** is the authentic record of our own work carried out under the supervision of **Ms. Harpreet Grewal,** Computer Science and Engineering, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD

Signature of Supervisor

HOD Name: Er. Ankit Banal

Supervisor Name: Ms. Harpreet Grewal

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

RETAIL AND CHAIN AUTOMATION USING PHP

PROJECT REPORT

(BTCS-703)

Submitted in partial fulfillment of the

requirements for the award of the degree

of

COMPUTER SCIENCE ENGINEERING

IN

Bachelor of Technology

Sharpening Minds, Brightening Tomorrow
Gulzar Group of Institutes

UNDER THE GUIDANCE OF

Miss. Gurwinder kaur

Ankit (1707645)

Madhav Dhingra(1707694)

Himanshu(1707677)

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,JALANDHAR

GULZAR GROUP OF INSTITUTIONS * KHANNA-LUDHIANA *

29

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **RETAIL AND CHAIN AUTOMATION USING PHP**, in partial fulfillment of the requirements for the degree of B.TECH(COMPUTER SCIENCE ENGINEERING), submitted in the **GIET**, Gulzar Group of Institutes ,Khanna, Punjab,by **Madhav Dhingra(1707694), Ankit Yadav(1707645), Himanshu(1707677)** is the authentic record of our own work carried out under the supervision of **Miss. Gurwinder Kaur, GIET**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of Supervisor

Signature of HOD

HOD Name

Supervisor Name

Date:

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

ONLINE TRANSACTION AND FRAUD DETECTION USING PYTHON; BACKLOGGING ON E-COMMERCE

PROJECT REPORT

BTCS 703

Submitted in partial fulfillment of the

requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

GGI

Sharpening Minds. Brightening Tomorrow.

GULZAR GROUP OF INSTITUTES

Under the Guidance of :

DR. AMANDEEP SINGH

Submitted by :

NEHA	(1707708)
NEELAM	(1707707)
POOJA	(1707711)
SAURABH KR.	(1707730)
FARHAT RAINA	(1806874)

KAPURTHALA

GULZAR GROUP OF INSTITUTIONS

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **Online Transaction And Fraud Detection Using Python;Backlogging On E-Commerce**, in partial fulfillment of the requirements for the degree of **B.tech Cse**, submitted in **Cse .Department** , Gulzar Group of Institutes, Khanna, Punjab; **by Neha(1707708),Neelam(1707707), Pooja(1707711), Saurabh kr(1707730), Farhat Raina(1806874) , .**is the authentic record of our own work carried out under the supervision of **Dr. Amandeep Singh , CSE**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Candidate(s) Signature Farhat, Neha, Pooja, Neelam, Saurabh

This is to certify that the above statement made by the

Signature of HOD

Signature of Supervisor

HOD Name

Dr. Ankit Bansal

Supervisor Name

Dr. Amandeep Singh

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA LUDHIANA

Web Based Application for Movie Reviewing and Recommendation using PHP

PROJECT REPORT

(BTCS-703)

Submitted in partial fulfillment of the requirements

For the award of the degree of

BACHELOR OF TECHNOLOGY

IN

Computer Science and Engineering (CSE)

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Guizar Group of Institutes

UNDER THE GUIDANCE OF:

Er. Jai Prakash Savelia

SUBMITTED BY:

Rahul Sharma (1707716)

Basanta Kshetri (1735572)

Chandra Gupt Maurya (1707658)

Abhimanyu Bhagat (1707632)

Shasank Shrestha (1707732)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,

JALANDHR

GUIZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

33

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **Web Based Application for Movie Reviewing and Recommendation using PHP(CRITICSMARK)**, in partial fulfillment of the requirements for the degree of **BTECH.CSE**, submitted in the department of Computer Science & Engineering, Gulzar Group of Institutes, Khanna, Punjab; by **Rahul Sharma (1707716), Basanta Kshetri(1735572), Chandra Gupt Maurya(1707658), Abhimanyu Bhagat(1707632), Shasank Shrestha Bijukchhea (1707732)** is the authentic record of our own work carried out under the supervision of **Er. Jai Prakash Savelia Department of Computer Science & Engineering**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Candidate(s) Signature

Rahul Sharma

Basanta Kshetri

Chandra Gupt Maurya

Shasank Shrestha Bijukchhea

Abhimanyu Bhagat

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD

Dr. Ankit Bansal

Signature of Supervisor

Er. Jai Prakash Savelia

Date:-

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

TRAVEL AND TOURISM MANAGEMENT

PROJECT REPORT

BTCS- 703

Submitted in partial fulfillment of the

requirements for the award of the degree

of

BTECH

IN

CSE

Sharpening Minds, Brightening Tomorrow
Gulzar Group of Institutes

UNDER THE GUIDANCE OF

ER. JAIPRAKASH SIR

STUDENTS NAME:

RIIAKA DKHAR (1707722)

NELUFAR SHAHEEN(1806881)

THONGAM DAYARANI DEVI (1707746)

LAIRIKYENGBAM ROSHILA DEVI (1707692)

SAEEDA KHATOON (1707727)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **TRAVEL AND TOURISM MANAGEMENT**, in partial fulfillment of the requirements for the degree of **BTECH CSE** , submitted in the **COMPUTER SCIENCE ENGINEERING** , Gulzar Group of Institutes, Khanna, Punjab; by **RIIAKA DKHAR(1707722), NELUFAR SHAHEEN(1806881), THONGAM DAYARANI DEVI(1707746), LAIRIKYENGBAM ROSHILA DEVI(1707692), SAEEDA KHATOON(1707727)**,is the authentic record of our own work carried out under the supervision of **ER. JAIPRAKASH, CSE DEPARTMENT**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Candidate(s) Signature Nelufar, Roshila, Dayarani, Saeeda Khatoon

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD **Signature of Supervisor**

DR. ANKIT BANSAL **ER. JAIPRAKASH SIR**

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

Flood Detection System Using IOT

PROJECT REPORT

Submitted in partial fulfillment of the requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY

BTCS 603-18

IN

COMPUTER SCIENCE ENGINEERING

Under the Guidance of

Dr Ankit Bansal

Dean Accreditation

Submitted By:

Kawalpreet Kaur, 1806575
Harleen Kaur, 1806562
Jaskaran Singh, 1806567
Aqib Ashraf, 1806541

GGI
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Gulzar Group of Institutes

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **Flood Detection System using IoT**, in partial fulfillment of the requirements for the degree of **Project-I, BTCS 603-18**, submitted in the **Department Of Computer Science Engineering**, Gulzar Group of Institutions, Ludhiana, Punjab; by **Kawalpreet Kaur(1806575), Harleen Kaur (1806562), Jaskaran Singh(1806567) Aqib Ashraf(1806541)** is the authentic record of our own work carried out under the supervision of **Dr Ankit Bansal, Dean Accreditation**, Gulzar Group of Institutions, Ludhiana, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Jaskaran Singh Kawalpreet Kaur Harleen Kaur Aqib War

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD

HOD Name: Dr Kushwant Kaur

Signature of Supervisor

Supervisor Name: Dr Ankit Bansal

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

Project Report

On

Customer relationship management (for Admission Cell).

Submitted in partial fulfilment of the requirements for the award of the degree

Of

Bachelor of Technology

BTCS603-18

IN

Computer Science and Engineering

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ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Under the Guidance of :

Dr. Ankit Bansal

(Dean Accreditation, GGI)

Er. Rajan Kakkar

(Assistant Professor in CSE)

Submitted By:

Jagroop Singh, 1806566

Ishita Sharma, 1906362

Mohit, 1806587

Amit Kumar, 1806535

GUIZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

39

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **omer Relationship Management (for Admission Cell)**, in partial fulfilment of equirements for the degree of **Bachelor of Technology, BTCS603-18**, submitted ie **Department of Computer Science and Engineering**, Gulzar Group of utions, Ludhiana, Punjab; by **Jagroop Singh(1806566), Ishita ma(1906362), Mohit(1806587), Amit Kumar(1806535)** is the authentic record ır work carried out under the supervision of **Dr. Ankit Bansal, (Dean editation, GGI) and Rajan Kakkar, (Assistant Professor in CSE)**, Gulzar p of Institutions, Ludhiana, Punjab.

We further declare that the matter embodied in this report has not been itted by us for the award of any other degree.

ɔop Singh

ı Sharma

t

Kumar

id (s) Signature

s to certify that the above statement made by the candidate is correct to the best knowledge and belief.

ture of HOD

ushwant Kaur

Name

Signature of Supervisor

Er. Rajan Kakkar

Supervisor Name

15th May, 2021.

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

AGRONOMICS DC

PROJECT REPORT

Submitted in partial fulfillment of the requirements for the award of the degree

of

B.TECH

BTCS603-18

IN

COMPUTER SCIENCE ENGINEERING

Under the Guidance of

Rajan Kakkar

Assistant Professor

Submitted By

Shardul Pandey, 1806630

Shivam Kumar, 1806633

Golu Kumar Sah, 1806557

MD. Sarfaraz, 1806583

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ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

41

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **Agronomics**, in partial fulfillment of the requirements for the degree of **B.Tech, BTCS603-18**, submitted in the **Computer Science Engineering**, Gulzar Group of Institutions, Ludhiana, Punjab; by **Shardul Pandey (1806630), Shivam Kumar (1806633), Golu Kumar Sah (1806557), MD. Sarfaraz (1806583)** is the authentic record of our own work carried out under the supervision of **Rajan Kakkar, Assistant Professor, Computer Science Engineering**, Gulzar Group of Institutions, Ludhiana, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD **Signature of Supervisor**

HOD Name **Supervisor Name**

Date:

ONLINE MEDICAL STORE

PROJECT REPORT

Submitted in partial fulfilment of the

Requirements for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

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Gulzar Group of Institutes

UNDER THE GUIDANCE OF:

ER. DIKSHA RANI

SUBMITTED BY:

AMANDEEP (1707638), AMRITPAL SINGH(1707642), BABLU(1707653), GURPREET(1707669)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **Online Medical Store**, in partial fulfillment of the requirements for the degree of **Bachelor Of Technology In Computer Science And Engineering**, submitted in the **Department Of Computer Science And Enginering**, Gulzar Group of Institutes, Khanna, Punjab; by **Amandeep (1707638), Amritpal Singh (1707642), Bablu(1707653), Gurpreet(1707669)** is the authentic record of our own work carried out under the supervision of **Diksha Rani, CSE**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Amritpal Singh, Bablu, Gurpreet, Amandeep

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Diksha Rani

Signature of HOD

Signature of Supervisor

Diksha Rani

HOD Name

Supervisor Name

Date: 30/12/2020

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Gulzar Group of Institutes

Final Project Report

"HEART DISEASE PREDICTION USING MACHINE LEARNING ALGORITHMS"

Submitted by:
(Abhishek Salaria 1707634
Barinder Singh 170 7654
Radhika Kapoor 1707713
Jyotin Bhan 1806879
Qurba Rashid 1806886)

In Partial Fulfilment of the Requirements
For the Award of Degree of

Bachelor of Technology

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING
JUL-DEC, 2020

45

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **HEART DISEASE PREDICTION USING MACHINE LEARNING ALGORITHMS**, in partial fulfillment of the requirements for the degree of **B.TECH(COMPUTER SCIENCE ENGINEERING)** , submitted in the **COMPUTER SCIENCE DEPARTMENT**, Gulzar Group of Institutes, Khanna, Punjab; by **Abhishek (1707634), Barinder Singh(1707654), Radhika (1707713), Jyotin (1806876), Qurba (1806886)** is the authentic record of our own work carried out under the supervision of **Dr. Ankit Bansal (HOD, CSE Department)**, Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Radhika

Jyotin

Abhishek

Barinder

Signature of HOD

Signature of Supervisor

HOD Name

Supervisor Name

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

BALANCING CHEMICAL EQUATION AS A PROCESS OF TRIAL AND ERROR

PROJECT REPORT

Submitted in partial fulfillment Requirements for the award of the degree

Of

BACHELOR OF TECHNOLOGY

BTTS-603

IN

COMPUTER SCIENCE AND ENGINNERING

SUBMITTED BY:

Laxman Bhatt, 1834602

Manoj Kumar Rawat, 1806582

Amit Raj Maurya, 1806536

Prashant Chaudhary, 1806602

UNDER THE GUIDANCE OF:

ER Jay prakash

Exam Coordinator

Sharpening Minds, Brightening Tomorrow.
Gulzar Group of Institutes

ਆਈ.ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੇਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

47

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **BALANCING CHEMICAL EQUATION AS A PROCESS OF TRIAL AND ERROR**, in partial fulfillment of the requirements for the degree of **B.TECH CSE, BTTS-603**, submitted in the **CSE/IT Department**, Gulzar Group of Institutes, Khanna, Punjab by **Laxman Bhatt (1834602), Manoj Kumar Rawat (1806582), Amit Raj Maurya (1806536), Prashant Chaudhary (1806602)** is the authentic record of our own work carried out under the supervision of **ER Jay prakash, Exam Coordinator, CSE & IT Department** Gulzar Group of Institutes, Khanna, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Laxman Manoj Kumar
Amit
Prashant

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD

HOD Name

Er. Kushwant Kaur

Date:

Signature of Supervisor

Supervisor Name

Er. Jay prakash

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

48

Physical Freelancing App

PROJECT REPORT

(BTTS-601)

tted in partial fulfilment of the requirements for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE ENGINEERING

Sharpening Minds, Brightening Tomorrow
Gulzar Group of Institutes

R THE GUIDANCE OF

kit Bansal

SUBMITTED BY:

Shahid Gujar (1806628)
Raushan Kumar (1806612)
Gaurav Kumar (1806556)
Warish Alam(1806648)

KAPURTHALA

.. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

CANDIDATE'S DECLARATION AND CERTIFICATE

e hereby certify that the work, which is being presented in this report entitled, **Physical Freelancing pp** in partial fulfillment of the requirements for the degree of **B.Tech CSE, BTTS-601** submitted in the **SE & ITDepartment** Gulzar Group of Institutions, Ludhiana, Punjab; by **Shahid Gujar (1806628), aurav Kumar(1806556), Raushan Kumar(1806612), WarishAlam(1806648)** is the authentic record our own work carried out under the supervision of **Dr.Ankit Bansal,Dean &Professor, CSE & IT epartment Gulzar Group of Institutions,** Ludhiana, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for ie award of any other degree.

Candidate(s) Signature

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD

Er. Khushwant Kaur

Signature of Supervisor

Dr.Ankit Bansal

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

WORD BUILDING SIMULATOR

PROJECT REPORT

Submitted in partial fulfillment of the requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY

(BTTS-603)

IN

COMPUTER SCIENCE AND ENGINEERING

Sharpening Minds, Brightening Tomorrow
Gulzar Group of Institutes

nder the Guidance of:

r. Sita Rani

Professor)

Submitted By:

Parveen kumari (1806599)

Harjot Kaur (1806561)

Navdeep Kaur (1806592)

Neha (1906371)

KAPURTHALA

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

51

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **rd Building Simulator**, in partial fulfillment of the requirements for the degree of **helor of Technology, BTTS-603** submitted in the **Computer Science and ineering** , Gulzar Group of Institutions, Ludhiana, Punjab; by **Parveen kumari 6599), Harjot Kaur (1806561), Navdeep Kaur (1806592), Neha (1906371)** is the entic record of our own work carried out under the supervision of **Dr. Sita Rani, essor, Computer Science and Engineering**, Gulzar Group of Institutions, Ludhiana, ab.

further declare that the matter embodied in this report has not been submitted by us for ward of any other degree.

Harjot Kaur Navdeep Kaur

Neha

idate(s) Signature

s to certify that the above statement made by the candidate is correct to the best of my edge and belief.

ure of HOD

ishwant Kaur

Signature of Supervisor

Dr. Sita Rani

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

52

Accident Resolver

PROJECT REPORT

Submitted in partial fulfillment of the requirements for the award of the degree

of

B. Tech

BTTS-603 -18

IN

Computer Science

Under the Guidance of

Rajan Kakkar

Assistant Professor

Department of Computer Science Engineering

Submitted by

Ritik Mishra, 1806615

Gurpreet Kaur, 1806559

Praveen Kumar, 1806604

Naazdeep Kaur, 1806591

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I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

53

CANDIDATE'S DECLARATION AND CERTIFICATE

We hereby certify that the work, which is being presented in this report entitled, **Accident Resolver**, in partial fulfillment of the requirements for the degree of **B. Tech. BTTS-603**, submitted in the **Department of Computer Science**, Gulzar Group of Institutions, Ludhiana, Punjab; by **Ritik Mishra(1806615), Gurpreet Kaur(1806552),Parveen Kumar(1806604), Naazdeep Kaur(1806591)** is the authentic record of our own work carried out under the supervision of **Rajan Kakkar, Assistant Professor, Department of Computer Science** Gulzar Group of Institutions, Ludhiana, Punjab.

We further declare that the matter embodied in this report has not been submitted by us for the award of any other degree.

Candidate Name : Ritik Mishra , Naazdeep Kaur

Candidate(s) Signature : Ritik Mishra , Naazdeep Kaur

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Signature of HOD:

HOD Name:

Signature of Supervisor:

Supervisor Name:

Date:

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

CERTIFICATE NUMBER

JSP/UHD/016

JSPIDERS

Java Training and Development Center

CERTIFICATE

THIS IS TO CERTIFY THAT

ABHIMANYU BHAGAT

HAS SUCCESSFULLY COMPLETED PROFESSIONAL COURSE ON

- [x] Core Java
- [x] Web Technology
- [x] J2EE
- [x] Frameworks
- [x] SQL
- [-] Python

MANAGER : Mr. [illegible]

Q Spiders

GRANTED ON : 07-06-2021

www.jspiders.com

JSpiders

JSPIDERS

Java Training and Development Center

CERTIFICATE NUMBER

JSP/CMD/017

CERTIFICATE

THIS IS TO CERTIFY THAT

ABHISHEK SALARIA

HAS SUCCESSFULLY COMPLETED PROFESSIONAL COURSE ON

- [x] Core Java
- [x] J2EE
- [x] SQL
- [x] Web Technology
- [x] Frameworks
- [-] Python

GULZAR GROUP OF INSTITUTIONS LUDHIANA

MANAGER : Mr. SACHIN KOLI

GRANTED ON : 07-06-2021

Q Spiders
(A Unit of Test Yantra Software Solutions (India Pvt. Ltd
SCO-60-61, 3rd Floor,Sector 34A,
Chandigarh-160 0
Mob: 7620084

www.jspiders.com

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CROMA CAMPUS

ISO 9001:2008 CERTIFIED

e Cell

Entrepreneurship C

IIT Jodhpur

Certificate of Participation

Best AWARD

This is to certify that

Mr. AIJAZ AHMAD MATHANJI

has successfully completed his / her training on MERN STACK

from Croma Campus Pvt. Ltd., Noida from 08/Feb/2021 *to* 04/Jun/2021

During the training, organization found him / her a good performer & excellent learner.

We wish the very best in all his / her future endeavors.

Manager

Program Manager

CERTIFIED ISO 9001 CERTIFIED

Certificate No: CCN-86410295

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 02-June-2021
Reff. No:TC/1564/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Ajay Singh Parmar** S/D/O **Mr. Ashok Kumar** pursuing **B.tech(CSE)** from Gulzar Group of institutions has successfully completed his/her internship in **Android** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Ajay Singh Parmar** worked on project named **"E-book, Social media app"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

AURIBISES
TECHNOLOGIES

CERTIFICATE
OF COMPLETION
2021

This certificate is hereby bestowed upon

Amanpreet kaur

For exceptional performance that has led to the sucessful completion of the course
Java J2EE & SOA

Project : Google Scholar Citation Detector
from 15 February 2021 to 24 June 2021

given under hand and seal on this, the
24 of June 2021 at Ludhiana, India

J S-ANZ

IAF

An ISO 9001 - 2015 Company

Director

Registration No
Ref: ATPL/CC/20210208-JJS-1451

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 02-June-2021
Reff. No:TC/1546/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Amritpal Singh** S/D/O **Mr. Balraj Singh** pursuing **B.Tech** from Gulzar Group Of Institute,khanna has successfully completed his/her internship in **PHP** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Amritpal Singh** worked on project named **"10deals.com"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTES KHANNA-LUDHIANA

Helpfull Innovative Solutions

Dated: 30 June 2021

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Ankit has** worked as an Intern at our organization **HIS Group** from 5 Feburary 2020 and is currently designated as a **Web Developer** in our organization.

During his tenure with us, we've found him hardworking, punctual, inquisitive and sociable as per our measurement and reporting structures.

We wish him good luck and success in all his future endeavours.

Sincerely,

Dileep Adabala,

Founder

HIS Group

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 02-June-2021
Reff. No:TC/1546/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Anmoldeep Singh** S/D/O **Mr. Jaswinder Singh** pursuing **B.Tech** from Gulzar Group Of Institute,khanna has successfully completed his/her internship in **PHP** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Anmoldeep Singh** worked on project named **"Uplistold"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

UNIVERSITY OF MICHIGAN

COURSE CERTIFICATE

Jun 3, 2021

Barinder Singh

has successfully completed

Web Application Technologies and Django

an online non-credit course authorized by University of Michigan and offered through Coursera

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Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/UMEAV78NC453

Coursera has confirmed the identity of this individual and their participation in the course.

63

JSpiders

JSPIDERS

Java Training and Development Center

CERTIFICATE NUMBER

JSP/CHO/020

CERTIFICATE

THIS IS TO CERTIFY THAT

CHANDRAGUPT MAURYA

HAS SUCCESSFULLY COMPLETED PROFESSIONAL COURSE ON

- [x] Core Java
- [x] J2EE
- [x] SQL
- [x] Web Technology
- [x] Frameworks
- [ ] Python

MANAGER : Ms [illegible]

GRANTED ON : 07-06-2021

Q Spiders
(A Unit of [illegible] Software Solutions [illegible] Pvt. Ltd
[illegible] Sector 34A,
Chandigarh [illegible] 022.
[illegible]

www.jspiders.com

GULZAR GROUP OF INSTITUTIONS
KHANNA-LUDHIANA

UP 2 MARK
TECHNOLOGIES PRIVATE LIMITED.

Date: 12/06/2021

To Whom It May Concern

This is to certify that **Ms. Diksha Koundal D/O Sh. Surinder Kumar Koundal,** student of Gulzar Group of Institutes, Khanna, University **Roll-no: 1707660** had joined our organization as Intern for a period of **6 months** starting from **12-Feb-2021** to **31-July-2021** in **Digital Marketing**. She has been learning concepts of SEO and digital marketing during this period and enhancing her skills day by day.

We will grant her final training certificate on completion of her training period on 31-July-2021 as per organization policies. I acknowledge that she will continue her training with us till 6 months.

Please do not hesitate to contact me if you have any questions.

Nidhi Negi

Nidhi Negi
HR | Up2Mark Technologies Pvt. Ltd.
+919915984427

UP2MARK TECHNOLOGIES PVT. LTD. CIN: UT2000PB LUDHIANA

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

65

Completion of Software-Industrial Training

THIS IS TO CERTIFY THAT

Falak Khursheed

has accomplished an internship from *23 February to 23 July 2021* according to the regulations for the degree of "*Bachelors of Technology*" at **IKG Punjab Technical Univeristy, Kapurthala**

Lone Aaquib

Aaquib Jeelani
HUMAN RESOURCE OFFICER

KOSHUR STORE TRAINING VERIFIED PRIVATE LIMITED

Zahid A

Zahid Ahmad
SENIOR

SULTAN GROUP OF INSTITUTIONS KUKRANA-LUDHIANA

KOSHUR STORE PRIVATE LIMITED - 100 KVA ACCENT H, SRINAGAR - JK

To verify this certificate please write to - info@koshurstore.com

66

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 02-June-2021
Reff. No:TC/1585/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Gurmanpreet Kaur** S/D/O **Mr. Malkeet Singh** pursuing **B.Tech** from Gulzar Group Of Institute has successfully completed his/her internship in **Mean Stack** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Gurmanpreet Kaur** worked on project named **"Kids online education world, mega_resale shop"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 02-June-2021
Reff. No:TC/1573/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Gurveer Kaur** S/D/O **Mr. Jaswant Singh** pursuing **B.tech (CSE)** from Gulzar Group of Institutes, Khanna has successfully completed his/her internship in **Digital Marketing** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Gurveer Kaur** worked on project named **"Digital Marketing of aquaticms.com"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

Helpfull Innovative Solutions

Dated: 30 June 2021

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Himanshu has** worked as an Intern at our organization **HIS Group** from 5 Feburary 2020 and is currently designated as a **Web Developer** in our organization.

During his tenure with us, we've found him hardworking, punctual, inquisitive and sociable as per our measurement and reporting structures.

We wish him good luck and success in all his future endeavours.

Sincerely,

Dileep Adabala,

Founder

HIS Group

GULZAR GROUP OF INSTITUTIONS

UP 2 MARK
TECHNOLOGIES PRIVATE LIMITED

Date: 12/06/2021

To Whom It May Concern

This is to certify that **Ms. Ishdeep Kaur D/O S. Balwinder Singh,** student of Gulzar Group of Institutes, Khanna, University **Roll-no: 1707680** had joined our organization as Intern for a period of **6 months** starting from **11-Feb-2021** to **11-Aug-2021** in **Web-Application** Development. She has been learning React/Node JS during this period and enhancing her skills day by day.

We will grant her final training certificate on completion of her training period on 11-Aug-2021 as per organization policies. I acknowledge that she will continue her training with us till 6 months.

Please do not hesitate to contact me if you have any questions.

Nidhi Negi

Nidhi Negi
HR | Up2Mark Technologies Pvt. Ltd.
+919915984427

UP2MARK TECHNOLOGIES PVT. LTD. CIN : U62099PB 2017PTC 046871 LUDHIANA

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

koshur

Completion of Software-Industrial Training

THIS IS TO CERTIFY THAT

Junaid Ul Islam

has accomplished an internship from *23 February to 23 July 2021* according to the regulations for the degree of "*Bachelors of Technology*" at **IKG Punjab Technical Univeristy, Kapurthala**

Lone Aaquib

Aaquib Jeelani
HUMAN RESOURCE OFFICER

KOSHUR STORE TRAINING VERIFIED PRIVATE LIMITED

Zahid A

Zahid Ahmad
SENIOR

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

KOSHUR STORE PRIVATE LIMITED - 100 KVA ACCENT H, SRINAGAR - JK

To verify this certificate please write to - info@koshurstore.com

71

INTERNSHALA TRAININGS

Certificate of Training

Kishan Verma,

has successfully completed a six weeks online training on **Web Development**. The training consisted of HTML & CSS, Bootstrap, SQL and PHP modules.
We wish Kishan all the best for the future.

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2021-03-21 Certificate no.: FBC2BBA1-EB25-F75F-BDE3-93C40790F968

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

REFERENCE ID: ET/2094

Technology EXCELLENCE

Certificate of Training

In php

Kishan kr verma

S/O: Mr. Kishor kr verma of Gulzar Group of Institute

Has Successfully Completed His Training In php

From april-2021 To may-2021

GULZAR GROUP OF INSTITUTIONS • KHANNA, LUDHIANA •

Course Co-ordinator

ISO 9001:2015

MSME CH01D0007051

Director

Visit: www.excellencetechnology.in

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 02-June-2021
Reff. No:TC/1518/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Kritika Kamboj** S/D/O **Mr. Sanjay Kumar Kamboj** pursuing **B.Tech** from Gulzar Group of Institute has successfully completed his/her internship in **Python** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Kritika Kamboj** worked on project named **"resale_mart"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

IMPINGE
Solutions
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ISO 9001:2008 Certified

Date: 02-June-2021
Reff. No:TC/1561/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Kuldeep Kaur** S/D/O **Mr. Badal Singh** pursuing **B.Tech** from Gulzar Group of Institutes, Khanna(Punjab) has successfully completed his/her internship in **JAVA** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Kuldeep Kaur** worked on project named **"Safety & Security Atease(sos)"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vivek Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

KITESKRAFT
PRODUCTIONS
LLP.

Purpose driven service

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Kunal Kant S/o Mr. Jitendra Kumar Jha has satisfactory Completed his Internship in our IT Department as an IT Intern During the period of February 2021 to June 2021 under our guidance.

We wish him good Luck for his all his future Endeavors!!!!!!!

Regards,
Diksha
HR Manager
Kiteskraft Productions LLP.

GULZAR GROUP OF INSTITUTIONS KHANNA LUDHIANA

Date- 21.06.2021

info@kiteskraft.com

SCF 126, Phase-I, Urban Estate, Ludhiana

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 02-June-2021
Reff. No:TC/1587/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Loveleen Singh** S/D/O **Mr. Harbans Singh** pursuing **B.Tech** from Gulzar Group of Institute has successfully completed his/her internship in **Python** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Loveleen Singh** worked on project named **"Template Hub"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

ThinkNEXT Technologies Private Limited

ThinkNEXT™

Innovation at every step...

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Asia's Quality & Entrepreneurship AWARDS WINNER 2019

Business Leaders AWARDS WINNER 2019

NATIONAL ICON AWARDS WINNER 2019

ISO Certified

Member of Confederation of Indian Industry

ISTQB International Software Testing Qualifications Board Affiliated

itb INDIAN TESTING BOARD Affiliated

Scan and verify your Certificate

Certificate ID:870066

Ref.No. TNT/C-21/5113

Certificate

Provisional

Certificate of Excellence

This Certificate do hereby recognizes that

Mantu Kumar S/o Sanjay Prashad

has successfully completed Industrial Training Program from

15th February 2021 to *21st June 2021*

in *Android* Grade *A*

For ThinkNEXT Technologies Pvt. Ltd.

Authorised Signatory

Member Training Division

For ThinkNEXT Technologies Pvt. Ltd.

Munish Mittal

Director

Director

Corporate Office: S.C.F 113, Phase XI, Mohali (Punjab)

A Outstanding 100-90% | B Excellent 89-80% | C Very Good 79-70% | D Good 69-60% | E Satisfactory 59-50%

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 09-June-2021
Reff. No:TC/1557/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Neelam** S/D/O **Mr. Ramu** pursuing **B.Tech** from Gulzar Group of Institute, Khanna has successfully completed his/her internship in **Mean Stack** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Neelam** worked on project named **"Gladdeals"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB)

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS KHANNA LUDHIANA

CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that

Nilit Kumar

is doing his internship as Frontend Developer at RW Infotech Private Limited, Ludhiana. The duration of his training is from Feb 21st, 2021 to July 31st, 2021. We are really pleased to have him as an intern.

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

Jaswinder Singh

JASWINDER SINGH
Managing Director

80

IMPINGE™
Solutions
Think Unique. Think Creative

Certificate of Training

This is to certify that Pooja Kumari, a student of Gulzar Group of Institute, Khanna, has undergone training with Impinge Solutions for a total duration of six months, in Android technology starting January to June, as per the requisite conditions of the B.tech {C.S.E} degree/diploma. We recommend this trainee as a conscientous, hard working and punctual individual and wish all success to the trainee's future endeavors.

Dated: 14 / 06 / 21

IMPINGE SOLUTIONS MOHALI

HR Head

GULZAR GROUP OF INSTITUTIONS KHANNA

JSpiders

JSPIDERS

Java Training and Development Center

CERTIFICATE NUMBER

JSP/CHD/021

CERTIFICATE

THIS IS TO CERTIFY THAT

RAHUL SHARMA

HAS SUCCESSFULLY COMPLETED PROFESSIONAL COURSE ON

- [x] **Core Java**
- [x] **J2EE**
- [x] **SQL**
- [x] **Web Technology**
- [x] **Frameworks**
- [-] **Python**

MANAGER : Mr. [illegible]

GRANTED ON : 07-06-2021

Q Spiders
(A Unit of Best Terra Software Solutions India Pvt. Ltd
SCO-[illegible], 2nd Floor Sector 34A,
Chandigarh - 160 022.
Phone: [illegible])

www.jspiders.com

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

IOTASOL
TECHNOLOGIES PVT. LTD.
You Dream We Build . . .
www.iotasol.com

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr Ravdeep Singh** S/o **S. Sukhvinder Singh,** student of Gulzar Group of Institutes, Khanna, university roll no: 1707721 had joined our organization as a trainee engineer for the period of six months starting from 01-Feb-2021 to 31-July-2021 in the Software Development Cell. He has been learning React and Node JS during his training.

We will grant him his final training certificate on completion of his training on 31-July-2021 as per company policies. This is an acknowledgement letter for Ravdeep's continued training with us.

IOTASOL Technologies Pvt. Ltd.
For Iotasol Technologies Pvt. Ltd.
Director

Dated: 03-June-2021

Yashpal Singla
Director

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

Services we offer :
- Web Applications
- Mobile Applications iPhone / Android
- Cloud Computing
- Enterprise Solutions
- Industrial Training

M.: +91-98885-11691, +91-99884-54499
Email : yash@iotasol.com, akhil@iotasol.com

Certificate

vproTech digital

ISO 9001:2015 CERTIFIED

Certificate Of Training

Ref. No. VPRO/GM/21/50

This Certificate of Training is Presented To Riiaka Dkhar

S/o/ D/o Banlum Tariang of Gulzar Group of Institutes

has Successfully completed his/her training on Web development

from Feb 2021 to June 2021 During the tenure of the above Course, We found him/he

a hardworking.

GULZAR GROUP OF INSTITUTIONS

Training Incharge

Director

vprotechhead@gmail.com

www.vprotechdigital.com

Scan QR code to ver

J Spiders

JSPIDERS

Java Training and Development Center

CERTIFICATE NUMBER

JSP/CHD/022

CERTIFICATE

THIS IS TO CERTIFY THAT

SHASANK SHRESHTHA BANKCHHEA

HAS SUCCESSFULLY COMPLETED PROFESSIONAL COURSE ON

- [x] Core Java
- [x] Web Technology
- [x] J2EE
- [x] Frameworks
- [x] SQL
- [-] Python

MANAGER : Mr. SAURAJ KOLI

GRANTED ON : 07-06-2021

Q Spiders
(A Unit of Test Yantra Software Solutions India Pvt. Ltd
SCO 60-61, 3rd Floor,Sector 34A,
Chandigarh 160 022.
Mob: 7635094611

www.jspiders.com

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA

HIS

TO WHOMSOEVER IT MAY CONCERN

Subject: Experience Certificate cum Relieving Letter

This is to certify that Ms. Shehreen Fatima Zaidi has worked with us as JAVA Developer from Sep 09, 2020 to May 28, 2021

During the tenure of her service with the company, we found her sincere, dedicated and committed to the assignments as a good team player.

We wish her all the best in this future endeavor

Yours truly,
Helpful Innovative Solutions Pvt. Ltd

Regards,

Dileep Adabala 'For HIS
Director

GUZZAR GROUP OF INSTITUTIONS
KHANNA-LUDHIANA

86

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 02-June-2021
Reff. No:TC/1588/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Simran Singh** S/D/O **Mr. Avtar Singh** pursuing **B.Tech** from Gulzar Group of Institute has successfully completed his/her internship in **Python** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Simran Singh** worked on project named **"Hyperlocal Market"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 02-June-2021
Reff. No:TC/1523/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Simranjeet Kaur** S/D/O **Mr. Harbhajan Singh** pursuing **B.Tech** from Gulzar Group of institutes has successfully completed his/her internship in **Python** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Simranjeet Kaur** worked on project named **"Resale_mart"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

INTERNSHALA TRAININGS

Certificate of Training

Sudhir Kumar,

student of Gulzar Group Of Institutes, has successfully completed a six weeks online training on **Web Development**. The training consisted of HTML & CSS, Bootstrap, SQL and PHP modules.
We wish Sudhir all the best for the future.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

Date of certification: 2021-03-18 Certificate no.: A72F2A2F-DBE1-3280-2A00-0D48A8D33E68

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

AURIBISES
TECHNOLOGIES

CERTIFICATE
OF COMPLETION
2021

This certificate is hereby bestowed upon

Sukhpreet Kaur

For exceptional performance that has led to the sucessful completion of the course
Java J2EE & SOA

Project : Google Scholar Citation Detector
from 15 February 2021 to 24 June 2021

given under hand and seal on this, the
24 of June 2021 at Ludhiana, India

J S-ANZ

IAF

An ISO 9001 - 2015 Company

Director

Registration No
Ref: ATPL/CC/20210209-JJS-1453

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

90

Certificate

vproTech digital

Certificate Of Training

Ref. No. VPRO/GM/21/49

This Certificate of Training is Presented To Thongam Dayarani Devi

S/o/ D/o Thongam Ingo Singh of Gulzar Group of Institutes

has Successfully completed his/her training on Networking

from Feb 2021 to June 2021 During the tenure of the above Course, We found him/her

hardworking.

Training Incharge

Director

vprotechhead@gmail.com

www.vprotechdigital.com

Scan QR code to verify

J Spiders

JSPIDERS

Java Training and Development Center

CERTIFICATE NUMBER

JSP/CHO/019

CERTIFICATE

THIS IS TO CERTIFY THAT

BASANTA KSHETRI

HAS SUCCESSFULLY COMPLETED PROFESSIONAL COURSE ON

- [x] Core Java
- [x] Web Technology
- [x] J2EE
- [x] Frameworks
- [x] SQL
- [ ] Python

MANAGER : Mr. SACHIN KOLI

GRANTED ON : 01-06-2021

Q Spiders
(A Unit of Test Yantra Software Solutions (India) Pvt. Ltd.
[illegible]

www.jspiders.com

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA •

Webstep solutions

1027 SBP, City of Dreams Sector 116 Mohali – 140307

Mobile: 9781890033, Email: info@webstepsolutions.com

Internship Certificate

To Whom It May Concern

This is to certify that Mr. Aakarshit Batra Father's Name Mr. Vinay Batra Roll No. 1806867, BTech (CSE) of Gulzar Group of Institutes, Ludhiana, has successfully completed his internship as a "Front end developer" at Webstep Solutions, Mohali from 8th Feburary 2021 to 31st June 2021.

During the period of his internship programme with us he was found punctual, hardworking.

We wish him success for his future endeavour.

Webstep Solutions

For Webstep Solutions

Proprietor

GULZAR GROUP OF INSTITUTIONS

Helpfull Innovative Solutions

Dated: 1st April 2021

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Jyotin Bhan** worked as an Intern at our organization **HIS Group** from 05 Feb 2021 to 31 March 2021 and was designated as a **Web Developer (intern)** at the time of leaving the organization.

During his tenure with us, we found him hardworking, punctual, inquisitive and sociable as per our measurement and reporting structures.

We wish him good luck and success in all his future endeavors.

Sincerely,

Dileep Adabala,

Founder

HIS Group

GULZAR GROUP OF INSTITUTIONS • KHANNA-LUDHIANA

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date: 02-June-2021 Reff.
No:TC/1574/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr/Ms. Nelufar Shaheen** S/D/O **Mr. MD Tajuddin pursuing B.Tech** from Gulzar Group of Institute, Khanna has successfully completed his/her internship in **PHP** Department at Impinge Solutions for **6 months.**

During the internship period **Mr/Ms. Nelufar Shaheen** worked on project named **"movie trends"** and performed most of the task to our expectations.

We wish him/her all the best for his/her future endeavours.

If you have any query regarding training, please contact the HR Department at: 0172-5097801,802

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB)

Vikas Sagar
T&P Manager

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

IMPINGE
Solutions
Advance Beyond Limits
ISO 9001:2008 Certified

Date:11/02/2021

Reff. No: PTL/1072/21

Confirmation Letter

This is to certify that **Ms./Mr. Pooja Kumari** from **Gulzar Group of Institutes, Khanna** has been confirmed for the **Six months** Internship in **Digital Marketing** Department at Impinge Solutions.

He/She has to maintain the confidentiality of the information and work he/she comes across/acquire during his/her internship period. He/She also has to maintain discipline and also follow company rules and regulation during the internship period.

If you have any query regarding internship, please contact the HR Department at: 0172-5097801,802, 9115906553, 9115906554.

FOR IMPINGE SOLUTIONS
F – 265, Phase – 8B,
Industrial Area,
Mohali (PB).

Vikas Sagar
T&P Manager
IMPINGE SOLUTIONS, Mohali

Impinge Solutions, F-265, phase 8B, Mohali

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

Completion of Software-Industrial Training

THIS IS TO CERTIFY THAT

Qurba Rashid

has accomplished an internship from *10th February to 10th July 2021* according to the regulations for the degree of "*Bachelors of Technology*" at **IKG Punjab Technical Univeristy, Kapurthala**

Lone Aaquib

Aaquib Jeelani
HUMAN RESOURCE OFFICER

KOSHUR STORE PRIVATE LIMITED
TRAINING VERIFIED

Zahid A

Zahid Ahmad
SENIOR DEVELOPER

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

KOSHUR STORE PRIVATE LIMITED - 100 KVA ACCENT H, SRINAGAR - JK

To verify this certificate please write to - info@koshurstore.com

97

Society for Promotion of
Information Technology, Chandigarh

REF No : SPIC/2021/65565
Dated : 22-06-2021

To Whom It May Concern

This is to certify that **Mr Ritish Kaushal** s/o Sh Ranjiv Kumar student of Final Year VIIIth Semester B.Tech Computer Science & Engineering from Gulzar Group of Institutions, Khanna is undergoing his six months industrial training in **Data Science with R Language** from 15th March 2021 at SPIC Centre of Excellence, EDC, IT Park, Chandigarh under the supervision of Mr Ashok Kashav. He is currently working on project **"Predicting Analytics on Covid19"** using Data Science with R.

Chief Technical Officer

SPIC

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

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Certificate of Training

This is to certify that Simran Kaur, a student of Gulzar Group of Institute, Khanna, has undergone training with Impinge Solutions for a total duration of six months, in PHP technology starting January to June, as per the requisite conditions of the B.tech {C.S.E} degree/diploma. We recommend this trainee as a conscientous, hard working and punctual individual and wish all success to the trainee's future endeavors.

Dated: 14 / 06 / 21

IMPINGE SOLUTIONS MOHALI

HR Head

GULZAR GROUP OF INSTITUTION KHANNA

SUMAN TECH SOLUTIONS

SUMAN
TECH SOLUTIONS
"JUST IS BEST"

Ref No STS/ 451631

Certificate of Training

This is to certify that

Mr. Tarandeep Singh Chauhan

Father's Name Bhupinder Singh Chauhan

Roll No. 1806893, B.Tech(CSE)

Of **Gulzar Group Of Institutes , Ludhiana,**

has successfully completed his **Industrial Training** in

"PHP"

From **9 February 2021** to **9 July 2021** at our organization.

During Training his Performance was Excellent.

We wish her success for his future endeavor.

GULZAR GROUP OF INSTITUTIONS KHANNA-LUDHIANA

For Suman Tech Solutions

Athorized Signature Prop.

100