

**JAYPEE UNIVERSITY
OF
INFORMATION
TECHNOLOGY,
WAKNAGHAT, SOLAN**

1.3.4

(Percentage of Students undertaking Field Projects/ Internships)

The Sequence of Proofs is as follows:

- I. Department of Computer Science & Engineering and
Information Technology
- II. Department of Electronics and Communication
Engineering
- III. Department of Biotechnology & Bioinformatics
- IV. Department of Civil Engineering

Field Projects/ Internships

**Department of
Computer Science & Engineering and
Information Technology**

2021

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Internship Report for SDET Learning Path**” in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and IT Engineering** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from March 2021 to May 2021 under the supervision of Mr. Abhijeet Joshi (Trainer at cognizant)

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Shivansh Dubey, 171044

This is to certify that the above statement made by the candidates is true to the best of my knowledge.

Mr. Abhijeet Joshi
(Trainer at Cognizant)

Dated: 21st May 2021

DECLARATION

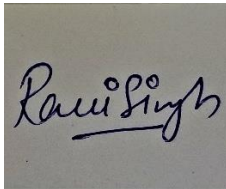
We hereby declare that the work presented in this report entitled “**TrackIt Application**” in partial fulfillment of the requirements for the award of degree of **Bachelor of Technology in Computer Science and Engineering Information Technology** submitted in the department of Computer Science and engineering and Information Technology, Jaypee university of Information Technology, Wagnaghat is an authentic record of my own work carried out over a period under supervision of Mr. Sarath S and Mr. Anant Kumar.



Seenam

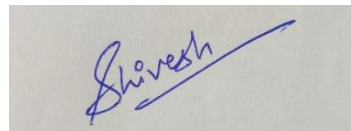
Scanned with CamScanner

Seenam (171201)



Ravi Singh

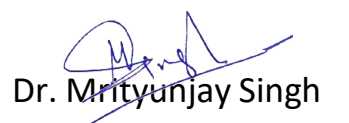
Ravi Bhushan Singh (171208)



Shivesh

Shivesh Sharma (171237)

This is to certify that the statement made above is true and in my best knowledge.



Dr. Mrityunjay Singh
(Supervisor Signature)

Mr. Sarath S
(Supervisor Signature)

Mr. Anant Kumar
(Supervisor Signature)

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Saurabh Arora** (SDM at Amazon).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



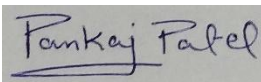
Pranjal Gangwar (171202)

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

Mr. Saurabh Arora
SDM at Amazon
Dated: 15/05/21

Candidate's Declaration

I hereby declare that the work presented in this report entitled "E-CommerceWebsite" in partial fulfillment of the requirements for the Major Project(8th Semester) in Computer Science and Engineering submitted in the department of Computer Science &Engineering and Information Technology, Jaypee University of Information Technology, Waknaghat is an authentic record of my own work carried out over a period from Feb 2021to May2021under the supervision of Dr. Mrityunjay Singh.



(Student Signature)

Pankaj Patel(171204)

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



(Supervisor Signature)

Supervisor Name: Dr.Mrityunjay Singh

Department name: Computer Science & Engineering

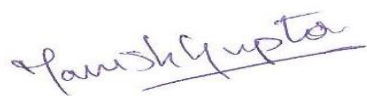
Dated:

CERTIFICATE

Candidate's Declaration

I decree hereby that the work presented in this report entitled “**Non Performance Testing in Software Development Life Cycle**” in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering / Information Technology submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is a real record of our own work carried out over a period from February 2021 to May 2021 under the supervision of Mr. Satyajit Deb (Coach, Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



(Student Signature)

Tanish Gupta, 171205



(Supervisor Signature)

Dr. Yugal Kumar

TO WHOMSOEVER IT MAY CONCERN

Date: 15 May 2021

Dear Sir / Madam,

This is to inform you that Mr. Rahul Kriplani BE/Btech, 8th Semester Student from Jaypee is currently pursuing his 6 Month internship at Hashedin by Deloitte, Bangalore (Intern ID - IN2021 64) since Feb 2021 to May 2021 and has completed 3 months to date on below project:

Project Title: My Team Party

Mentor Name: Akshat Mathur

Number of working days per week: 5

Mr. Rahul Kriplani is in his training period and is being assessed on intervals. Performance details will be shared pursuant to completion of internship.

Regards,



Suchitra Indukuri

(HR Executive)

Hashedin by Deloitte

#36/5, Somasundarapalya,

27th Main Road End, Sector 2,

HSR Layout, Bangalore-560102

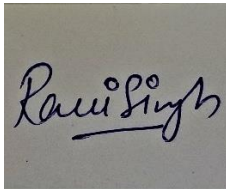
DECLARATION

We hereby declare that the work presented in this report entitled “**TrackIt Application**” in partial fulfillment of the requirements for the award of degree of **Bachelor of Technology in Computer Science and Engineering Information Technology** submitted in the department of Computer Science and engineering and Information Technology, Jaypee university of Information Technology, Wagnaghat is an authentic record of my own work carried out over a period under supervision of Mr. Sarath S and Mr. Anant Kumar.



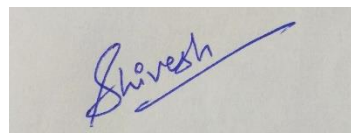
Seenam

Seenam (171201)



Ravi Singh

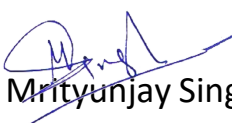
Ravi Bhushan Singh (171208)



Shivesh

Shivesh Sharma (171237)

This is to certify that the statement made above is true and in my best knowledge.



Dr. Mrityunjay Singh
(Supervisor Signature)

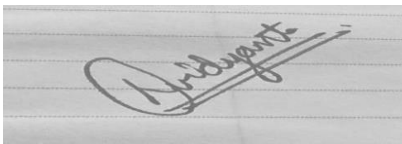
Mr. Sarath S
(Supervisor Signature)

Mr. Anant Kumar
(Supervisor Signature)

Candidate's Declaration

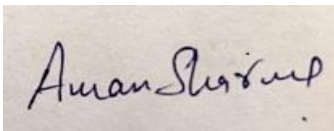
I hereby declare that the work presented in this report entitled "**Internship Report**" in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Abhijit Joshi** (Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

A handwritten signature in black ink on a light-colored background. The signature is written in a cursive style and appears to read 'Dwaipayan Vidyanta'.

Dwaipayan Vidyanta(171211)

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

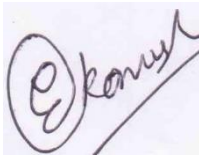
A handwritten signature in black ink on a light-colored background. The signature is written in a cursive style and appears to read 'Aman Sharma'.

Dr Aman Sharma

Supervisor

CANDIDATES DECLARATION

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Abhijit Joshi**(Trainer at Cognizant). The matter embodied in the report has not been submitted for the award of any other degree or diploma.

A handwritten signature in black ink, appearing to read 'Ekansh Kakkar', written over a light blue horizontal line.

Ekansh Kakkar(171217)

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

Mr. Abhijit Joshi

Trainer at cognizant

Dated: 21/05/21

CERTIFICATE

This is to certify that **Mr. Ajay Singh** of Jaypee University of Information Technology carried out the internship under my supervision at **Paymentus Corporation** from **Feb, 2021** to **June, 2021**. His efforts in the development of this internship were satisfactory.

Gaurav Vashishth

Date: 24 May,2021

Manager

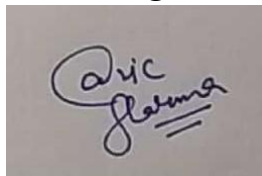
Paymentus Corporation

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Automation Testing Using UFT**” in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Information Technology** submitted in the Department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology, Waknaghat is an authentic record of my own work carried out over a period from February 2021 to May 2021 under the supervision of **Dr. Pradeep Kumar Gupta**.

The work done embodied in the report has not been appeased for the award of any other degree or diploma.

Student signature

A handwritten signature in black ink on a light grey background. The signature appears to be 'Nikhil Sharma' written in a cursive style.

Nikhil Sharma
(171219)

This is to certify that the above affirmation made by the candidate is true to the best of my knowledge.

A handwritten signature in blue ink. The signature is stylized and appears to be 'Pradeep Kumar Gupta'.

(Dr. P. K. Gupta)

Dr. Pradeep Kumar Gupta

Associate Professor

Department of Computer Science and Engineering and Information Technology

Dated:

DECLARATION

I hereby declare that the work reported in this report entitled “**A QUALITATIVE APPROACH TO THE QUALITY ENGINEERING ASSESSMENT BASICS**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science and Engineering and Information Technology, Jaypee University of Information Technology Wanknaghat is an authentic record of my own work carried out over a period from March 2021 to June 2021 under the supervision of Cognizant.

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

A handwritten signature in blue ink, reading "Ananya", is written over a faint, circular watermark or stamp. The signature is slanted and includes a horizontal line underneath the name.

Ananya Bajpai (171221)

This is to certify that the above statement made by the candidate is true to the best of my Knowledge.

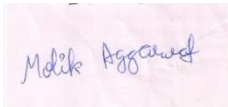
Cognizant

Date: May 22.2021

CANDIDATES DECLARATION

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from March 2021 to August 2021 under the supervision of Mr. **Abhijit Joshi**(Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Molik Aggarwal(171225)

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

Mr. Abhijit Joshi
Trainer at cognizant
Dated: 21/05/21

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Wagnaghat is an authentic record of my own work carried out over a period from April 2021 to July 2021 under the supervision of Mrs. Varsha Patil(Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Lokesh (171235)

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

Mrs. Varsha Patil

Trainer at cognizant

Dated: 15/05/21

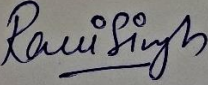
DECLARATION

We hereby declare that the work presented in this report entitled “**TrackIt Application**” in partial fulfillment of the requirements for the award of degree of **Bachelor of Technology in Computer Science and Engineering Information Technology** submitted in the department of Computer Science and engineering and Information Technology, Jaypee university of Information Technology, Wagnaghat is an authentic record of my own work carried out over a period under supervision of Mr. Sarath S and Mr. Anant Kumar.

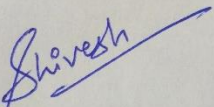


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Seenam (171201)

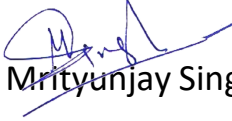


Ravi Bhushan Singh (171208)



Shivesh Sharma (171237)

This is to certify that the statement made above is true and in my best knowledge.



Dr. Mrityunjay Singh
(Supervisor Signature)

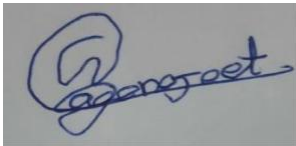
Mr. Sarath S
(Supervisor Signature)

Mr. Anant Kumar
(Supervisor Signature)

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**UNDERSTANDING THE CONCEPT OF SOFTWARE DEVELOPMENT ENGINEER IN TEST**” “in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, **Jaypee University of Information Technology Wagnaghat** is an authentic record of my own work carried out over a period from Mar 2021 to Aug 2021 under the supervision of Mr. Abhijit Joshi(Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

A handwritten signature in blue ink on a grey background. The signature appears to be 'Gaganajeet' written in a cursive style.

Gaganajeet (171239)

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

Mr. Abhijit Joshi
Trainer at cognizant
Dated: 20/05/21

Candidate's Declaration

I hereby declare that the work presented in this report in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my work carried out under the supervision of **Mr. Ujjawal Misra** during the internship at **ZopSmart**.

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Vaishnavi

Vaishnavi Singh (171243)

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

Pradeep Kumar Gupta

Dr. Pradeep Kumar Gupta
(Dr. P. K. Gupta)

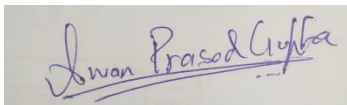
Associate Professor

Computer Science and Engineering

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Anuj Sharma**(Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Aman Prasad Gupta(171245)

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

Mr. Anuj Sharma

Trainer at cognizant

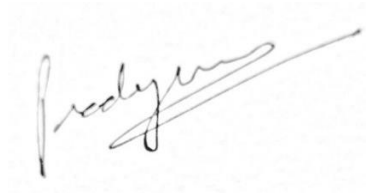
Dated: 15/05/21

Certificate

Candidate's Declaration

I decree hereby that the work presented in this report entitled "**Procurring software testing solutions through Loadrunner expending non-functional testing and analytical tools**" in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering/Information Technology submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is a real record of our own work carried out over a period from February 2021 to May 2021 under the supervision of Mr. Satyajit Deb (Coach, Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



(Student Signature)

Pradyumn Agarwal, 171250

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



(Project Guide Signature)

Dr. Amol Vasudeva

Assistant Professor (Senior Grade)

Department of Computer Science

and Engineering & Information Technology

Dated:

(Supervisor Signature)

Mr. Satyajit Deb

Coach at Cognizant

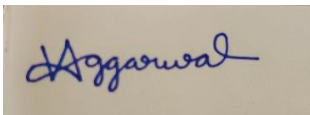
Dated:

Certificate

Candidate's Declaration

I decree hereby that the work presented in this report entitled “**LEND.IN LOAN AUTOMATION SYSTEM USING FLOWABLE**” in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is a real record of our own work carried out over a period from February 2021 to May 2021 under the supervision of Mr. Manjunath C.H (Lead Engineer, Kuliza Technologies).

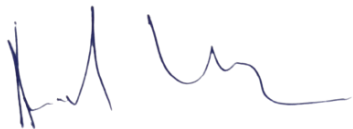
The matter embodied in the report has not been submitted for the award of any other degree or diploma.



(Student Signature)

Vineet Agarwal, 171251

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



(Project Guide Signature)

Dr. Amol Vasudeva

Assistant Professor (Senior Grade)

Department of Computer Science

and Engineering & Information Technology

Dated: 17/06/21

(Supervisor)

Mr. Manjunath C.H

Lead Engineer, Kuliza

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Saurabh Arora** (SDM at Amazon).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Himanshu Jain (171263)

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



Dr. Yugal Kumar

Mr. Suraj Bhuwania
SDM at Amazon
Dated: 15/05/21

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Saurabh Arora** (SDM at Kuliza).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Malay Pandey(171266)

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

Mr. Saurabh Arora
SDM at Kuliza
Dated: 15/05/21

CERTIFICATE

This is to certify that **Ms. Asmita Prajapati** of Jaypee University of Information Technology carried out the internship under my supervision at **Watchguard Technologies** from **Feb, 2021** to **July, 2021**. Her efforts in the development of this internship were satisfactory.



Arsh Arafaat

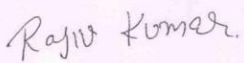
Engineering Manager

Watchguard Technologies

Date: 22 May, 2021

CERTIFICATE

This is to certify that **Mr. Divij Gupta** of Jaypee University of Information Technology carried out the internship under my supervision at **Paymentus Corporation** from **Feb, 2021** to **June, 2021**. His efforts in the development of this internship were satisfactory.

A handwritten signature in black ink on a light purple background, reading "Rajiv Kumar".

Rajiv Kumar

Team Lead (Android)

Paymentus Corporation

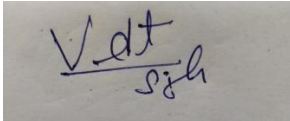
Date: 22 May, 2021

Certificate

Candidate's Declaration

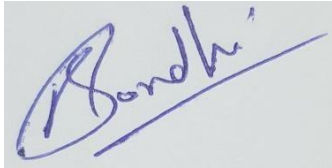
I hereby declare that the work presented in this report entitled **E-Commerce web application using angular(2+)** in fulfilment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering submitted in the department of Computer Science & Engineering and Information Technology, Waknaghat is an authentic record of our own work carried out over a period from February 2021 to May 2021 under the supervision of Mr. Bobin Sondhi.

The matter embodied in the report has not submitted for the award of any other degree or diploma.



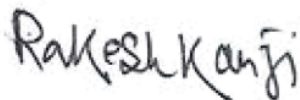
Vedant Puneet Singh 171269

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



Mr. Bobin Sondhi

Dated: 21-05-2021



Mr Rakesh Kanji

Dated: 21-05-2021

Candidate's Declaration

I hereby declare that the work presented in this report entitled “ **ELearning Website – Angular** ” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of **Mr. Amit Bansal** .

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



(Student Signature)

Karamjit Verma

(171270)

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



(Supervisor Signature)

Mr. Amit Bansal

Dated: 21/05/2021

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Warknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Ms. Sowndhariya Ravichandran.

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Utkarsh Rajput(171280)



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

Ms. Sowndhariya Ravichandran

Trainer at cognizant

Dated: 21/05/21

Candidate's Declaration

I hereby declare that the work presented in this report entitled “ Cognizant Training Report” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of **(Mr.Praveen Modi)** (CSE dept.).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



(Student Signature)

Akshay jain , 171281

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

(Supervisor Signature)

Mr.Praveen Modi

Assistant Professor

CSE dept.

Certificate

Candidate's Declaration

I hereby declare that the work presented in this report entitled “Understanding the concepts of software testing at cognizant technology solutions” in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from March 2021 to May 2021 under the supervision of Mr. Abhijit Joshi (Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Sarthak Sharma, 171283

This is to verify that the above statement made by the candidate is true to the best of my knowledge.

Mr. Abhijit Joshi

Trainer

Cognizant Technology Solutions

Dated: 19/05/2021

CERTIFICATE

Candidate's Declaration

I hereby declare that the work presented in this report entitled “Reactive Spring Boot Application For Product Variant Using Kafka And Cassandra Database” in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science submitted in the Department of Computer Science Engineering and Information Technology, Jaypee University of Information Technology, Waknaghat is an authentic record of my own work carried out over a period from February 2021 To May 2021 under the supervision of Mr. Aman Sinha.

The matter embodied in the report has not been appeased for the award of any other degree or diploma.



Aditya Kumar Singh (171289)

This is to verify that the above statement made by candidates is true to the best of my knowledge.



Mr. Aman Sinha

Tech Lead

ZopSmart Technology

Dated:- 22-05-2021

Candidate's Declaration

I hereby declare that the work presented in this report entitled “ Cognizant Training Report” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of **(Dr. Hari Singh)** (CSE dept.).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

A photograph of a handwritten signature in blue ink on a white surface. The signature appears to be 'Awantika'.

(Student Signature)

Awantika , 171292

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

A handwritten signature in blue ink, appearing to be 'Hari Singh', with a long horizontal stroke extending to the right.

(Supervisor Signature)

Dr. Hari Singh

Assistant Professor

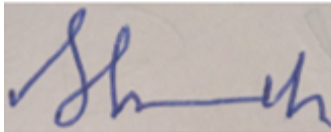
CSE dept.

Certificate

Candidate's Declaration

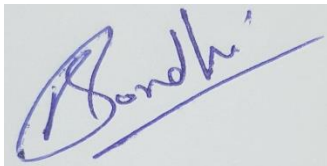
I hereby declare that the work presented in this report entitled **HOTEL BOOKING** in fulfilment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering submitted in the department of Computer Science & Engineering and Information Technology, Wagnaghat is an authentic record of our own work carried out over a period from February 2021 to May 2021 under the supervision of Mr. Bobin Sondhi.

The matter embodied in the report has not submitted for the award of any other degree or diploma.



Shivansh Shekhar

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



Mr. Bobin Sondhi

Dated

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Training Offered by Cognizant**” is submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from 28th Feb 2021 to 25th May 2021.



(Student Signature)

Shantanu Bhargava (171301)

CS84

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



Dr. Ruchi Verma

Date: 25th May 2021

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report submitted at **Jaypee University of Information Technology, Wazirpur, India** under **GreyB Services** is an authentic record of my work carried out under the supervision of **Mr. Harman Singh** and **Miss. Harjasleen Kaur**. I have not submitted this work elsewhere for any other degree or diploma.



Prakhar Bhardwaj

(171303)

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

Miss. Harjasleen Kaur

Research Analyst at GreyB Services

Date: 24th May 2021

DECLARATION BY CANDIDATE

I hereby declare that the work presented in this report entitled “**Developing Scalable Backend Systems in GoLang**” in the fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Wanknaghat is an authentic record of my own work at ZopSmart Pvt. Ltd. carried out over a period from February 2021 to May 2021 .

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

A handwritten signature in blue ink, appearing to read 'Aakanksha Jaiswal', with a stylized flourish at the end.

(Student's Signature)

Aakanksha Jaiswal

171304

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

Mr. Akshat Singhal

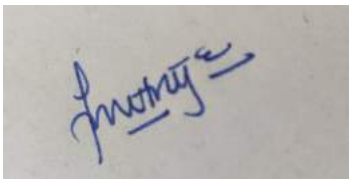
(Senior Backend Developer, Manager)

ZopSmart

CANDIDATES DECLARATION

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Abhijit Joshi**(Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Himanshu Mutneja

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

Mr. Abhijit Joshi
Trainer at cognizant
Dated: 21/05/21

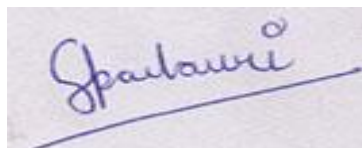
Certificate

Candidate's Declaration

I hereby declare that the work presented in this report entitled "Internship Report" in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from March 2021 to May 2021 under the supervision of Mr. Surjeet Singh (JUIT) and Mr. Abhijit Joshi (**Trainer at Cognizant**).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Sarthak Pachauri, 171308



This is to verify that the above statement made by the candidate is true to the best of my knowledge.



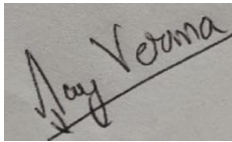
Mr. Surjeet Singh
Assistant Professor (Grade-II)

Mr. Abhijit Joshi
Trainer at Cognizant

Undertaking

We hereby declare that the work presented in this report entitled “ SOFTWARE DEVELOPMENT ENGINEER IN TEST: COGNIZANT INTERNSHIP“ 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 & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat, is an authentic report of our work carried out over a period from March 2021 to August 2021 under the supervision of Dr. Vivek Sehgal (Associate Professor, CSE/IT Department).

The matter embedded in the report has not been submitted for the award of any other degree or diploma.

A handwritten signature in black ink that reads "Ajay Verma". The signature is written in a cursive style and is positioned above a horizontal line.

Ajay Verma

(171318)

This is to certify that the above statement made by the candidates is true to the best of my knowledge.

A handwritten signature in blue ink that reads "Vivek Sehgal". The signature is written in a cursive style and is positioned above two horizontal lines.

Dr. Vivek Sehgal

Associate Professor

CSE/IT Department

Dated

JAYPEE UNIVERSITY OF INFORMATION AND TECHNOLOGY

(Established under H.P. Legislative Assembly Act No. 14 of 2002 and Approved by UGC

under section 2(f)

(An ISO 9001-2008 Certified Institution)

Department of Computer Science & Engineering



CERTIFICATE

This is to certify that the project work entitled as “**Automation Testing with UFT Learning Path**” is being Submitted by RAHUL SONI 171321 in the partial fulfillment for the award of the Degree of **Bachelor of Technology** in “**COMPUTER SCIENCE & ENGINNERING**” in the academic during 2017-2021.

Under the esteemed Guidance of

Mr. SURJEET SINGH

ASSISTANT PROFESSOR JUIT

SOWNDHARIYA RAVICHANDRAN

GENC IMPLEMENTATION COGNIZANT

CANDIDATES DECLARATION

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Abhijit Joshi**(Trainer at Cognizant). The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Tushar Thakur (171322)

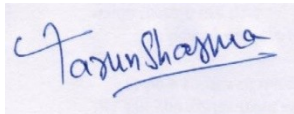
This is to certify that the above statement made by the candidate is true to the best of my knowledge.

Mr. Abhijit Joshi
Trainer at cognizant
Dated: 21/05/21

Undertaking

I hereby declare that the work presented in this report entitled “ SOFTWARE DEVELOPMENT ENGINEER IN TEST INTERNSHIP AT COGNIZANT TECHNOLOGY SOLUTIONS“ 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 & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat, is an authentic report of my work carried out over a period from March 2021 to August 2021 under the able supervision of Dr. Ruchi Verma (Assistant Professor, CSE/IT Department).

The matter embedded in the report has not been submitted for the award of any other degree or diploma.



Tarun Kumar Sharma

(171325)

This is to certify that the above statement made by the candidates is true to the best of my knowledge.


Scanned with CamScanner

Dr. Ruchi Verma

Assistant Professor

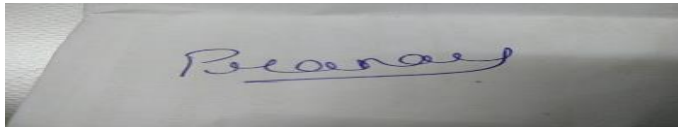
CSE/IT Department

17th June,2021

CANDIDATES DECLARATION

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Wagnaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Abhijit Joshi**(Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



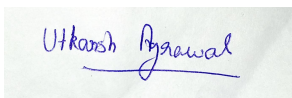
Pranav Agarwal (171329)

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

Mr. Abhijit Joshi
Cognizant Trainer
Dated: 22/05/21

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled “ **NETWORKING AUTOMATION UNIX and SCRIPTING**” is for the fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering** submitted to the Department of Computer Science & Engineering, **Jaypee University of Information Technology Wagnaghat** is an honest representation of the record of my work carried for a period from February 2021 to May 2021 under the supervision of **Mr. Shivam Dhingra** (Software Engineer-QA). This report has not been submitted anywhere else for any other degree or diploma.



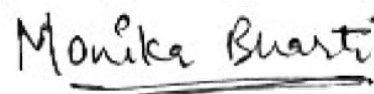
UTKARSH AGRAWAL

171330

That is to testify to the accuracy of the aforementioned argument provided by me is to the best of my awareness.

Mr. Shivam Dhingra ZScaler
Mohali Punjab

Head of the Department/Project
Coordinator

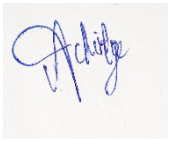


Date: 24th May 2021

Candidate's Declaration

I hereby declare that the work presented in this report entitled "Implementation of Optimization Algorithms to Increase Efficiency of Linear Regression Model" in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from May 2021 to July 2021 under the supervision of **Dr. Ekta Gandotra** (Designation and Department name).

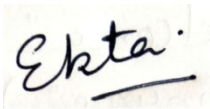
The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Achintye Sharma

171331

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



Dr. Ekta Gandotra

Assistant Professor

Department of CSE & IT

CANDIDATES DECLARATION

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Abhijit Joshi**(Trainer at Cognizant). The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Avi Narayan (171334)

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

Mr. Abhijit Joshi
Trainer at cognizant
Dated: 21/05/21

CERTIFICATE

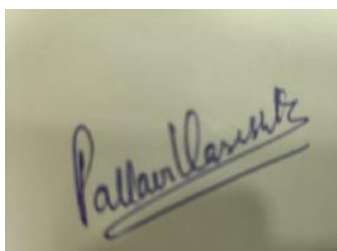
I hereby declare that the presented report entitled "Internship report at Paxcom India Pvt Ltd" in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Wagnaghat is an authentic record of my own work carried out over a period from February 2021 to May 2021 under the supervision of Mrs. Pallavi Vasishta. The matter embodied in the report has not been submitted for the award of any other degree or diploma.



(Student Sign)

Ashish Gupta, 171336

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

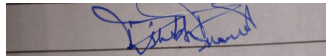


Mrs. Pallavi Vasishta
Assistant Vice President- Technology
Paxcom India Pvt. Ltd.

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science And Engineering** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Mar 2021 to May 2021 under the supervision of Mrs.Parasakthi Balakrishnan(Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Student Signature

Rishabh Bhanot

171338

This is to certify that the above affirmation made by the candidate is true to the best of my knowledge.

Mrs.Parasakthi Balakrishnan

(Trainer at Cognizant)

Dated: 21st May 2021

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled “**Automation Testing- HC Facets with UFT**” submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of my work carried out under the supervision of Cognizant. I have not submitted this work elsewhere for any other degree or diploma.



Neeraj Gupta

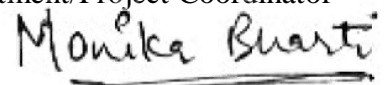
171343

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

Cognizant

Date: 24/05/2021

Head of the Department/Project Coordinator

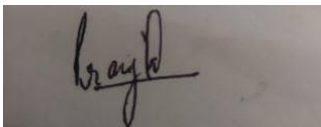


Certificate

Candidate's Declaration

I decree hereby that the work presented in this report entitled **“Procuring performance testing solutions with Java and Loadrunner expending non-functional testing and analytical tools”** in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering / Information Technology submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is a real record of our own work carried out over a period from February 2021 to May 2021 under the supervision of Mr. Satyajit Deb (Coach, Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



(Student Signature)

PRANJAL BANSAL (171344)

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

(Supervisor Signature)

Mr. Satyajit Deb Coach
at Cognizant
Dated:



Dr. Ravindar Bhatt
at Juit

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Abhijeet Joshi**(Trainer at Cognizant). The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Nishant Bhandari(171346)

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

Mr. Abijeet Joshi

Trainer at cognizant

Dated: 20/05/2021

Dr. Ruchi Verma

Project Supervisor

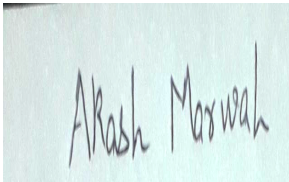
Dated: 18/06/2021

Certificate

Candidate's Declaration

I hereby declare that the work presented in this report entitled BOOK WITH ME HOTEL BOOKING APPLICATION USING ANGULAR and NODE.JS in fulfilment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering submitted in the department of Computer Science & Engineering and Information Technology, Waknaghat is an authentic record of our own work carried out over a period from February 2020 to May 2020 under the supervision of Mr. Bobin Sondhi.

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Akash Marwah
171348

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



Mr. Bobin Sondhi
Dated: 22-05-2021

CERTIFICATE

Candidate's Declaration

We hereby declare that the work presented in this report entitled “**iProfiler**” in partial fulfillments of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science and Engineering and Information Technology, Jaypee University of Information and Technology Waknaghat is an authentic record of my own work carried out over a period from March 2021 to April 2021 under the supervision of **Dr. Kapil Sharma (Associate Professor, CSE Department, Jaypee University of Information Technology, Waknaghat)** and **Mr. Chandra Kalva (Senior Engineering Management Specialist, Hashedin by Deloitte)**.

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Isha Gupta
171358

This is to certify that the above statement made by the candidates is true to the best of my knowledge.



Dr. Kapil Sharma
Associate Professor
Department of CS & IT

Dated:

Chandra Kalva
Senior Engineering Management Specialist
Hashedin by Deloitte

Dated:

CANDIDATES DECLARATION

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from March 2021 to August 2021 under the supervision of Mr. **Abhijit Joshi**(Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Mayank Aggarwal (171360)

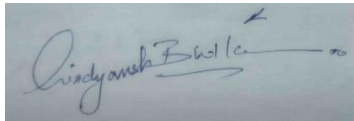
This is to certify that the above statement made by the candidate is true to the best of my knowledge.

Mr. Abhijit Joshi
Trainer at cognizant
Dated: 21/05/21

Certificate

I hereby declare that the work presented in this report entitled "Covid-19 prediction using clinical report text and x-ray data" in the minimum fulfillment of the **Bachelor of Technology** degree in **Computer Science and Engineering / Information Technology** Jaypee University of Information Technology Wanknaghat is a true record of my work done in the period from January 2021 to May 2021 under the supervision of **Dr. Himanshu Jindal** (Assistant Professor (SG), Department of Science and Computer Science).

The material included in this report has never been awarded the award of any other degree or diploma.



(Student Signature)

Hirdyansh Bhalla, 171362

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



(Supervisor Signature)

Supervisor Name: Dr. Himanshu Jindal

Designation: Assistant Professor (SG)

Department name: Computer Science and Engineering and Information Technology

Dated: 14-05-2021

Certificate

Candidate's Declaration

I hereby declare that the work presented in this report entitled “Understanding the concepts of software testing at cognizant technology solutions” in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from March 2021 to May 2021.

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Sarthak Vinayaka,
171368



(Dr. P. K. Gupta)

Dr. Pradeep Kumar Gupta (Associate Professor)
Department of Computer Science and Engineering and Information Technology


Date:

DECLARATION

I hereby declare that the work reported in this report entitled “**Internship experience as a Platform Engineer at Icertis**” is submitted in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering** submitted in the department of Computer Science and Engineering, Jaypee University of Information Technology Waknaghat is an authentic record of my own work

Icertis does not allow the project material to be used beyond the said guidelines, I Devesh Rattan Sharma am aware of the fact and appropriately created the project report without violating any compliance.

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

A photograph of a handwritten signature in blue ink on a light-colored surface. The signature reads 'Devesh Rattan' with a horizontal line drawn through the middle of the name.

Devesh Rattan Sharma
Enrolment No.: 171380
B. Tech (CSE)

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

Sachin Jere

Sachin Jere
Associate Manager
Icertis
Date: 25th May 2021

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Full Stack Engineering (FSE) Training**” in fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering /Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Ms. **Jenifer Nancy**(Coach at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

A handwritten signature in blue ink that reads "Mahima" with a period at the end, enclosed in a light blue oval.

Mahima Gupta(171373)

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

Ms. Jenifer Nancy

Coach at Cognizant

Dated: 24/05/21

CERTIFICATE

PROJECT REPORT UNDERTAKING

I Mr. Deepesh Yadav Roll No 171380 Branch CSE is doing my internship with **COGNIZANT TECHNOLOGY SOLUTIONS** from 28th February 2021 to 25th June 2021.

As per procedure I have to submit my project report to the university related to my work that I have done during this internship.

I have compiled my project report. But due to COVID-19 situation my project mentor in the company is not able to sign my project report.

So, I hereby declare that the project report is fully designed/developed by me and no part of the work is borrowed or purchased from any agency. And I'll produce a certificate/document of my internship completion with the company to Training and Placement Cell whenever COVID-19 situation gets normal.

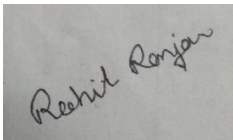
A handwritten signature in black ink, reading "Deepesh", is written over a horizontal line that extends to the right and then curves upwards at the end.

Deepesh Yadav
Enrolment No.: 171380
B. Tech (CSE)

DECLARATION BY CANDIDATE

I hereby declare that the work which presented in this report entitled “**Office Management and HR Portal**”, in partial fulfillment of the requirements for the award of degree of **Bachelor of Technology in Computer Science and Engineering** submitted in the Department Computer Science & Engineering and Information Technology, Jaypee University of Information Technology wagnaghat, is an authentic record of our own work at Vectoscalat Technology Pvt. Ltd. carried out over a period from Feb. 2021 to May 2021.

The matter embodied in the report has not been submitted for award of any other degree or diploma.



Name: Rohit Ranjan
Roll No:171381
Branch: CSE

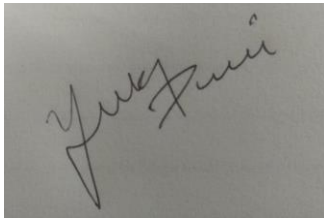
This is to certify that the above statement made by the candidate is true to the best of my knowledge.



(MR. Aman Chadha)
Technical Lead
Vectoscalar Technology Pvt. Ltd.
Dated:- 25th May 2021

CANDIDATE'S DECLARATION

I hereby declare that the work reported in this report entitled “**Internship experience as a Associate Software Engineer at DXC Technology**” is submitted in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering submitted in the department of Computer Science and Engineering, Jaypee University of Information Technology Waknaghat** is an authentic record of my own work. Icertis does not allow the project material to be used beyond the said guidelines, I Yukta Puri am aware of the fact and appropriately created the project report without violating any compliance. The matter embodied in the report has not been submitted for the award of any other degree or diploma.

A rectangular box containing a handwritten signature in black ink. The signature appears to read 'Yukta Puri' in a cursive style.

Yukta Puri

Enrolment No.: 171383

B. Tech (CSE)

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

Prakash Veningandala

Date: 25th May 2021

Candidate's Declaration

I hereby declare that the work presented in this report entitled “QEA WITH JAVA AND SELENIUM” in the partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology** in **Computer Science and Engineering/Information Technology** submitted in the department of Computer Science and Information Technology, Jaypee University of Information Technology ,Waknaghat is a record of my own work and carried out over a period from March 2021 to May 2021 under the supervision of **Rohinipriya E**(Coach (HR) at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Garima Sharma (171386)

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

Rohinipriya E

Coach/Trainer(Gen C)

HR dept.

Cognizant

Dated: 20/05/2021

Declaration by Candidate

I hereby declare that the work presented in this report entitled “**Online Banking System**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology, Waknaghat in an authentic record of my own work carried out over a period from January 2021 to May 2021 under the supervision of **Mr. Rizwan Ur Rehman** (Assistant Professor(Grade-II), Computer Science & Engineering and Information Technology).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Amit Verma (171454)



Abhinav Mishra (171460)

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



Mr. Rizwan Ur Rehman

Assistant Professor (Grade-II)

Computer Science & Engineering and Information Technology

Dated: 26th May, 2021

DECLARATION

I hereby declare that the work presented in this report entitled “ **SAP** ” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Information Technology** submitted in the department of Computer Science & Engineering and Information Technology , Jaypee University of Information Technology Wagnaghat is an authentic record of my own work carried out under the supervision of “**DXC Technology**” . I have not submitted this work elsewhere for any other degree or diploma.

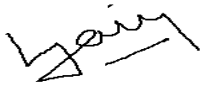


GARIMA KATIYAR
(171456)

Candidate's Declaration

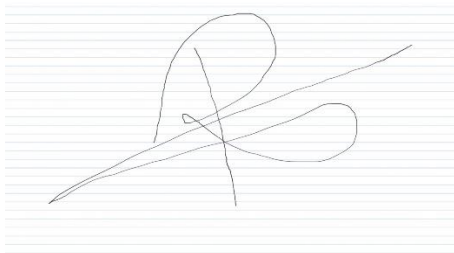
I hereby declare that the work presented and done in this document entitled "Integrated Account Management" in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering/Information Technology submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology, Waknaghat is an authentic record of our own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. Rohan Kejriwal and Mr. Rizwan Ur Rehman (Faculty, Computer Science and Engineering And Information Technology)

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Lakshya Jain, 171458

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



Mr. Rizwan Ur Rehman

Computer Science and Engineering and Information Technology

Dated: 24/05/2021

Declaration by Candidate

I hereby declare that the work presented in this report entitled “**Online Banking System**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology, Waknaghat in an authentic record of my own work carried out over a period from January 2021 to May 2021 under the supervision of **Mr. Rizwan Ur Rehman** (Assistant Professor(Grade-II), Computer Science & Engineering and Information Technology).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Amit Verma (171454)



Abhinav Mishra (171460)

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



Mr. Rizwan Ur Rehman

Assistant Professor (Grade-II)

Computer Science & Engineering and Information Technology

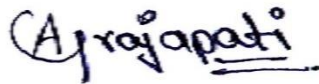
Dated: 26th May, 2021

Certificate

Candidate's Declaration

We hereby declare that the work presented in this report entitled “**TRACKIT APPLICATION**” in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of our own work carried out over a period from January 2021 to May 2021 under the supervision of **Mr. Rizwan Ur Rehman** (Assistant Professor(Grade II), Computer Science and Engineering And Information Technology)

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Aman Prajapati, 171461

Certificate of Candidate's Declaration

I hereby declare that the thesis entitled "ZS ASSOCIATES INTERNSHIP REPORT" submitted by me, for the award of the degree of Bachelor of Technology in Information Technology in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Wanknaghat is a record of bonafide work carried out by me under the supervision of Mr. Satyajeet Yadav, Solution Delivery Manager, ZS Associates. I further declare that the work reported in this thesis has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

Prashasti Dwivedi

Prashasti Dwivedi

Enrolment Number: 171462

BTech (IT)

Certificate

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Automation Testing**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology, Waknaghat is an authentic record of my own work carried out over a period from February, 2021 to May, 2021 with the guidance of **Mr. Rizwan Ur Rehman**.

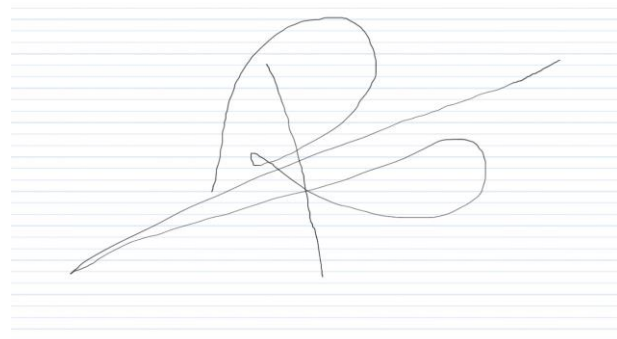
The matter embodied in the report has not been submitted for the award of any other degree or diploma.

Ojas Thareja (171464)



(Student Signature)

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



(Supervisor Signature)

CANDIDATES DECLARATION

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Wagnaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mr. **Abhijit Joshi**(Trainer at Cognizant).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.



RISHABH GUPTA (171465)

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



Mr. Abhijit Joshi

Trainer at cognizant

Dated: 21/05/21

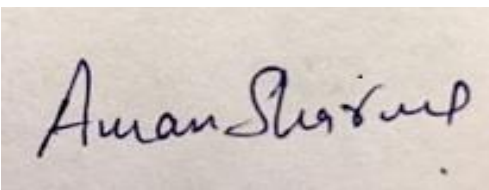
CANDIDATES DECLARATION

I hereby declare that the work presented in this report entitled **“Internship Report”** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from Feb 2021 to May 2021 under the supervision of Mrs Jennifer Ether(Trainer at Cognizant). The matter embodied in the report has not been submitted for the award of any other degree or diploma.



Jagrit Arora(171467)

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



Dr Aman Sharma

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Internship Report**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering/Information Technology** submitted in the Department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology Waknaghat is an authentic record of my work carried out over a period from MARCH 2021 to AUGUST 2021 under the supervision of Mr. **Abhijit Joshi** (Trainer at Cognizant). The matter embodied in the report has not been submitted for the award of any other degree or diploma.



(Student Signature)

Nimesh Bansal, 171474

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

Mr. Abhijit Joshi

(TRAINER COGNIZANT)

Dated: 21st May 2021

Certificate

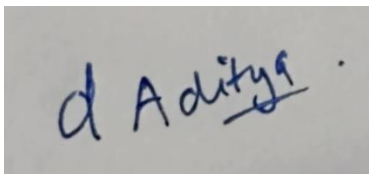
Candidate's Declaration

We hereby declare that the work presented in this report entitled “**Big data Training**” in fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Information Technology** submitted in the department of Computer Science & Engineering and Information Technology, “**Jaypee University of Information Technology, Waknaghat**” is an authentic record of our own work carried out over a period from **January,2021 to May, 2021** under the supervision of **Dr. Monika Bharti** (Associate Professor – CSE & IT).

The matter embodied in the report has not been submitted for the award of any other degree or diploma.

(Student Signature)

Aditya Agarwal (171479)

A rectangular box containing a handwritten signature in blue ink that reads "Aditya Agarwal".

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

A handwritten signature in black ink that reads "Monika Bharti".

Dr. Monika Bharti

Associate Professor

Department of Computer Science and Engineering & Information Technology

Dated: May 20, 2021

Field Projects/ Internships

**Department of
Electronics and Communication
Engineering**

2021

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled “Unified Functional Testing” submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of our work carried out in the internship at Cognizant Technology Solutions under the supervision of our guide Sowndhariya Ravichandran. I have not submitted this work elsewhere for any other degree or diploma.



Mukul Bhatia

171003

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

Sowndhariya Ravichandran

Date: 19/05/2021

Head of the Department/Project Coordinator

Candidate's Declaration

I hereby declare that the work presented in this report entitled “**Technology driven business development strategies and tools**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** submitted in the department of **Electronics and Communication Engineering**, Jaypee University of Information Technology, Waknaghat is an authentic record of my own work carried out over a period from February 2021 to May 2021 under the supervision of **Mr Gajendra Singh (Team leader and Asst. Manager – Admissions, Dadar)**.



Soham Ahuja (171015)

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



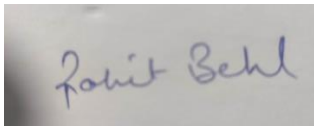
Mr Ganjendra Singh

(Team Leader & Asst. Manager)

Dated: 21-05-2021

DECLARATION

We hereby declare that the work reported in the B.Tech Project Report entitled “**Functional Testing**” submitted at **Jaypee University of Information Technology, Wazirpur, India** is an authentic record of our work carried out under the supervision of company representative Cognizant. We have not submitted this work elsewhere for any other degree or diploma.



RohitBehl
171018

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



Dr.Nafis Uddin Khan

Head of the Department/Project Coordinator

DECLARATION

We hereby declare that the work reported in the B.Tech Project Report entitled “**Automation Testing-HC Facets with UFT**” submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of our work carried out under the supervision of Cognizant. We have not submitted this work elsewhere for any other degree or diploma.

Archita

Archita Gupta
171021

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

Cognizant
Date: 20/05/2021

Head of the Department/Project Coordinator

UNDERTAKING

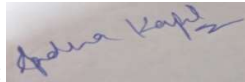
I Ms. **SPARDHA KAPIL** Roll No. **171026**, Branch **ELECTRONICS AND COMMUNICATION** is doing my internship with **COGNIZANT** from **27 FEBURARY 2021** to **11 JUNE 2021**

As per procedure I have to submit my project report to the university related to my work that I have done during this internship.

I have compiled my project report. But due to COVID-19 situation my project mentor in the company is not able to sign my project report.

So I hereby declare that the project report is fully developed by me and no part of the work is borrowed or purchased from any agency. And I'll produce a certificate/document of my internship completion with the company to TnP Cell whenever COVID-19 situation gets normal.

Signature:



Name: **SPARDHA KAPIL**

Roll No. : **171026**

Date: **17 May 2021**

DECLARATION

I hereby declare that the work reported in this B.Tech Project Report entitled “QUALITY ENGINEERING & ASSURANCE” submitted at Jaypee University of Information Technology, Wagnaghat, India is an authentic record of our work carried out under the supervision of Ms. Sowndhariya Ravichandran(Cognizant). I have not submitted this work elsewhere for any other degree or diploma.

DHANANJAI BHALAIK 171036

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

Mr. SOWNDHARIYA RAVICHANDRAN
Date: 20th MAY, 2021

Head of the Department/Project Coordinator

DECLARATION

We hereby declare that the work reported in the B.Tech Project Report entitled “**Extant: The COVID-19 Employee Attendance System**” submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of our work carried out under the supervision of **Mr. Pradeep Garg**. We have not submitted this work elsewhere for any other degree or diploma.

A yellow rectangular box containing the name 'Ananya' written in a cursive, gold-colored font.

Ananya Shukla
(171038)

A blue ink signature in cursive script, appearing to read 'Sushant Singh'.

Sushant Singh
(171041)

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

A blue ink signature in cursive script, appearing to read 'Pradeep Garg'.

Mr. Pradeep Garg

Department of Electronics and Communication

Dr. Rajiv Kumar
Head of Department

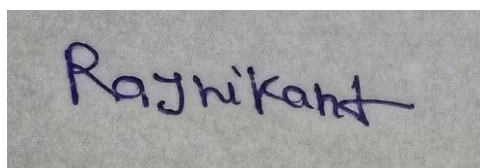
DECLARATION

I thusly announce that the work titled "**Internship on Patent Searching and analysis**" is submitted as a Project Work has been completed by me at **Talwar and Talwar Consultants and Services Pvt. Ltd., Mohali** under the direction of Mr. Aashish Sharma. Any further augmentation, continuation or utilization of this training must be attempted with earlier express composed assent from the Supervisor, **Talwar and Talwar Consultants and Services Pvt. Ltd., Mohali**.

For my 7th Semester project, titled **Sentiment Analysis** was carried out under the supervision of **Dr. Emjee Puthooran**.

I further declare that the training work or any part thereof has not been previously submitted for any degree or diploma in any university.

Signature:

A photograph of a handwritten signature in blue ink on a light-colored surface. The signature reads "Rajnikant" in a cursive, slightly slanted script.

Name: Rajnikant Yadav

Date: 20th May, 2021

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled “Unified Functional Testing” submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of our work carried out in the internship at Cognizant Technology Solutions under the supervision of our guide Sowndhariya Ravichandran. I have not submitted this work elsewhere for any other degree or diploma.

Utkarsh Srivastava

171046

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

Sowndhariya Ravichandran

Date: 19/05/2021

Head of the Department/Project Coordinator

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled "**Automation Testing**" submitted at **Jaypee University of Information Technology, Waknaghat , India** is a true full proved record of my work done during the internship at **Cognizant**. I don't have submitted my work anywhere else for some other degree.



Mehul Bandlish (171047)

This is to bring in notice that the above mentioned statements made by the candidate are correctly verified by the concerned authorities and there are no copyright issues.

Cognizant Team

Date:

Head of the Department/Project Coordinator

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled **“Automation Testing- HC Facets with UFT”** submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of my work carried out under the supervision of Cognizant. I have not submitted this work elsewhere for any other degree or diploma.

Prashant Jaiswal
171048

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

Cognizant

Date:20/05/2021
Department/ProjectCoordinator

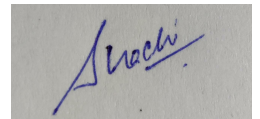
Head of the



Dr. Rajiv Kumar, JUIT
Supervisor

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled “**Automation Testing - HC facets with UFT**” submitted at **Jaypee University of Information Technology, Waknaghat, India** is an authentic record of our work carried out under the supervision of **Sowndhariya Ravichandran(GenC Implementation, Cognizant)**. I have not submitted this work elsewhere for any other degree or diploma.



Shachi Sharma

171049

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

Sowndhariya Ravichandran

Date: 20th May, 2021.

Head of the Department/Project Coordinator

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled “**Brands on Oncology**” submitted at **Jaypee University of Information Technology, Waznaghat, India** is an authentic record of our work carried out under the supervision of **Mrs. Nimisha Gupta**. I have not submitted this work elsewhere for any other degree or diploma.



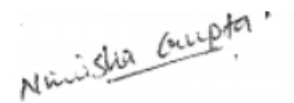
Ananya Sharma

171050

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

Mrs. Nimisha Gupta

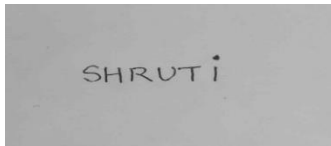
Date: May 21, 2021



Project Manager/Supervisor

DECLARATION

I hereby declare that the work reported in the B. Tech Project Report entitled “**Automation Testing- HC facets with UFT**” submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of my work carried out under the supervision of **Sowndhariya Ravichandran (Cognizant)**. I have not submitted this work elsewhere for any other degree or diploma.

A rectangular box containing the handwritten name 'SHRUTI' in capital letters.

SHRUTI SHARMA
171051

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

A handwritten signature in cursive script, appearing to read 'Arunya'.

Sowndhariya Ravichandran
Date: 20th May, 2021

Head of the Department/Project Coordinator

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled “**Automation Testing with UFT and HC Facets**” submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of my training carried out under **Cognizant** during my training period. I have not submitted this work elsewhere for any other degree or diploma.

.....
NIKITA PANDEY
171053

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

.....

Date:

Head of the Department/Project Coordinator

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled “**AUTOMATION TESTING - HC FACETS WITH UFT**” submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of my work carried out in the training period under Cognizant. I have not submitted this work elsewhere for any other degree or diploma.



Prachi Pal
Roll no. 171056

Project Report Undertaking

I Ms. Prachi Pal - Roll No. 171056 Branch ECE is doing my internship with Cognizant from 27th feb,2021 to 11th june,2021

As per procedure I have to submit my project report to the university related to my work that I have done during this internship.

I have compiled my project report. But due to COVID-19 situation my project mentor in the company is not able to sign my project report.

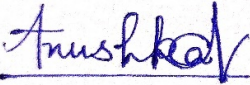
So I hereby declare that the project report is fully designed/developed by me and no part of the work is borrowed or purchased from any agency. And I'll produce a certificate/document of my internship completion with the company to TnP Cell whenever COVID-19 situation gets normal.



Signature _____
Name Prachi Pal
Roll No. 171056
Date 17/05/2021

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled “SOFTWARE TESTING AND AUTOMATION” is a **CONTINUOUS DEVELOPMENT PROGRAM** submitted at **Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh**, is a unique record of my work that is done under the guidance of HOD , **Dr. Rajiv Kumar**. I have not submitted this work elsewhere for any other degree or diploma.



(Signature of Student)

171059

This is to certify that the statement stated above is true and the candidate is correct to the best of my knowledge.



Dr. Rajiv Kumar

Project Supervisor

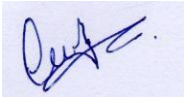
Associate Professor

Department of Electronics and Communication Engineering

DATE: 21.5.2021

DECLARATION

We hereby declare that the work reported in the B.Tech Project Report entitled “**Manual and Automated Testing using Spread Sheet and Unified Functional Testing**” submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of our work carried out under the supervision of Dr.Shruti Jain and **Cognizant GenC Learning**. We have not submitted this work elsewhere for any other degree or diploma.



Surya Mahajan
(171060)

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



(SHRUTI JAIN)

Dr. Shrutika Jain
Associate Professor
Jaypee University of Information Technology
Wagnaghat, Distt. Solan,
Himachal Pradesh.

Head of the Department/Project Coordinator

Date: 18th May,2021

DECLARATION

I hereby declare that the work reported in the B.Tech Project Report entitled **“AUTOMATION TESTING ”** submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of our work carried out under **“COGNIZANT”** during my training period . I have not submitted this work elsewhere for any other degree or diploma.

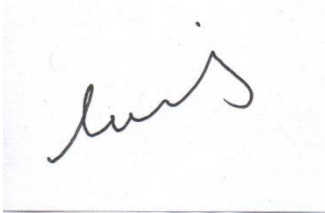
SHRUTI SINGH
(171065)

ACKNOWLEDGEMENT

I would like to express my deep and sincere gratitude to my company **COGNIZANT** for providing their valuable guidance throughout . Their dynamism, vision, sincerity and motivation have deeply inspired me . They has taught me the methodology to carry out the project work and to present it as clearly as possible. It was a great privilege and honor to work and study under their guidance. I am also thankful to all those who have assisted us by supplying the requisite help.

DECLARATION

We hereby declare that the work reported in the B.Tech Project Report entitled “**Unified functional Testing and Automation**” submitted at **Jaypee University of Information Technology, Wagnaghat, India** is an authentic record of our work carried out under the supervision of **Mr. Somasekar** . I have not submitted this work elsewhere for any other degree or diploma.



Nikunj Rastogi

171080

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

Head of the Department/Project Coordinator

Field Projects/ Internships

**Department of
Civil Engineering**

2021

CERTIFICATE

This is to certify that the work which is being presented in the project report titled “**INDUSTRIAL TRAINING REPORT**” in complete fulfillment of the requirements for the award of the degree of Bachelor of Technology in Civil Engineering submitted to the Department of Civil Engineering, Jaypee University of Information Technology, Waknaghat is an authentic record of work carried out by **Anubhav Kaundal(171638)**, during a period from February 2021 to May 2021 under the supervision of **Mr. Nikhil Gupta**, Reporting Manager, Amazon Seller Services, DEL5, India and Mr.Sujit Malik, Hiring Manager , Amazon Seller Services, DEL5, India.

The above statement made is correct to the best of our knowledge.

Date: 15th May 2021



Signature of Supervisor

Dr. Tanmay Gupta

Assistant Professor

Department of Civil

Engineering, JUIT Waknaghat



Signature of HOD

Mr.Ashok Gupta

Professor and Head of

Department Civil

Engineering, JUIT Waknaghat

Field Projects/ Internships

**Department of
Biotechnology & Bioinformatics**

2021

Ref. No: HRD/REC/TTCS/55/2021-2022

Date: May 18, 2021

TRAINING LETTER

Name – Aakriti Chauhan

Employee Code: TTCS - 103

This is to certify that Aakriti Chauhan is working with “Talwar and Talwar Consultants and Services Pvt. Ltd.” Her designation is Market Research – Intern. Her ongoing internship started from Feb 8, 2021. During her tenure in the organization, her performance is satisfactory.

S. S. Bisht

Manager- HR

DECLARATION

I hereby declare that the work submitted in this Project Report under the title “**Commercial Development- Sales and marketing**” is completed by me at **Planetspark Gurugram**, under the guidance of Mr. Vikesh Dhawan. Any further augmentation, continuation or utilization of this training must be attempted with earlier express composed assent from the supervisor,**Planetspark,Gurugram**.

I further declare that the training work or any part thereof has not been previously submitted for any degree or diploma in any university.

A handwritten signature in black ink, appearing to read 'Vikesh Dhawan', written over a horizontal line.

Supervisor signature

Name of the supervisor - Vikesh Dhawan

Date of submission - 25 May 2021

This is to certify that the above statement is true to the best of my knowledge.

Certificate of Internship

I wish to confirm that Aakanksha Gautam (B. Tech Bioinformatics) did her internship (Feb 2021 – May 2021) at Roots Analysis. During her training, she worked on a business research project focused on pharmaceutical industry. She was sincere, dedicated and displayed a good work ethic. Her work was well appreciated by the team members.

I wish her all the best for her future endeavours.

Regards,



Sunaina Arora
Assistant HR Manager
Roots Analysis

Date: 21 May 2021



CERTIFICATE

This is to certify that the work titled “**Sales execution and Marketing automation platform**” submitted by “**Aakanksha Pandey**” in partial fulfillment for the requirements of the award of degree of Bachelor of Technology in biotechnology of Jaypee University of Information Technology, Solan has been carried out under my supervision. This work has not been submitted partially or wholly to any other university or institute for the award of this or any other degree or diploma.

Signature of supervisor -

The image shows a handwritten signature in black ink that reads "leela.g". The signature is written in a cursive, lowercase style.

Name of supervisor - Leela Gangadhar

Designation - Manager (Sales Development)

DECLARATION

I therefore announce that my report titled “Training on Big Data” is submitted as Project Work has been done by me at “**Cognizant Technology Solutions Pvt. Ltd.**” under guided supervision. Any further augmentation, continuation or utilisation of this must be embraced with earlier express composed assent from the organization.

I further proclaim that the preparation work or any part thereof has not been recently submitted for any degree or certificate in any college.

Signature of Trainee: 

Name: Diwakar Paliwal

Date: 24-05-2021



Supervisor Name: Dr. Udayabanu M.

Associate Professor,

Department of Biotechnology and
Bio-informatics,

Jaypee University of Information
Technology,

Solan, H.P -173234.

Signature:

DECLARATION

I hereby declare that the presented report entitled " Mainframe Technology Training in DXC technology" in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology submitted in the Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology Waknaghat is an authentic record of my own work carried out over a period from February 2021 to May 2021 under the supervision of Dr. Udayabanu, M., Associate Professor, Jaypee University Of Information Technology. The matter embodied in the report has not been submitted for the award of any other degree or diploma.



(Student Sign)

Jigyasa, 171821



(Supervisor Signature)

Dr. Udayabanu, M,

Associate Professor,

Jaypee University Of Information Technology



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Bestech Business Towers, Sector 66, Mohali (PB), India- 160055
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www.ttconsultants.com, hr@ttconsultants.com

Ref. No: HRD/REC/TTCS/54/2021-2022

Date: May 18, 2021

TRAINING LETTER

Name – Kirti Arora

Employee Code: TTCS - 116

This is to certify that Kirti Arora is working with “Talwar and Talwar Consultants and Services Pvt. Ltd.” Her designation is Market Research - Intern. Her ongoing internship started from Feb 8, 2021. During her tenure in the organization, her performance is satisfactory.

S. S. Bisht

Manager- HR

S. S. Bisht

Authenticated through
Legality.com (mXGiXTa)
S. S. Bisht
Date: Tue May 18 15:32:13 IST
2021

Registered Office: Talwar & Talwar Consultants and Services Pvt. Ltd. SCO-304, Sector 38D, Chandigarh, India -160037
CIN: U74140CH2009PTC031731 | **IEC:** 2212000146 | **PAN:** AADCT5236H

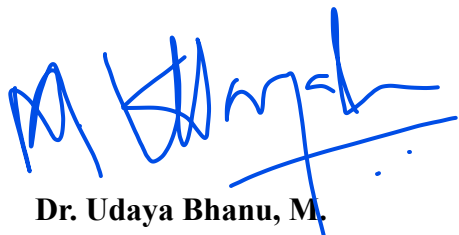
Declaration By Candidate

I hereby declare that the work presented in this report entitled “**Systems, Applications & Products in Data Processing**” in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in Biotechnology submitted in the department of **Biotechnology**, Jaypee University of Information Technology, Waknaghat in an authentic record of my own work, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.



Ishita (171828)

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



Dr. Udaya Bhanu, M.

Assistant Professor (Grade-II)

Department of Biotechnology & Bioinformatics

Dated: 26th May, 2021