

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**BHILAI INSTITUTE OF TECHNOLOGY, DURG. C.G. INDIA.**

**MANUAL**

**FOR**

# PROJECT BASED ON SUMMER INTERNSHIP/ INDUSTRIAL TRAINING

**PROJECT REPORT FORMAT**

|  |  |  |
| --- | --- | --- |
| 1 | Project Title Page (Outer Cover) as per the format given in Annexure A (should be printed in Black colour on a light background) | Annexure A |
| 2 | Project Title Page (Inner Cover) as per the format given in Annexure B  (should be printed in Black colour on white background) | Annexure B |
| 3. | CERTIFICATE OF SUPERVISOR(S) /GUIDE | Annexure C |
| 4 | DELCLARATION BY THE CANDIDATE | Annexure D |
| 5. | CERTIFICATE OF FORWARDING | Annexure E |
| 6. | CERTIFICATE OF APPROVAL | Annexure F |
| 7. | Acknowledgement | Annexure-G |
| 8. | Table of Contents | Annexure H |
| 9. | Conclusion |  |

## GUIDELINES FOR THE PREPARATION OF PROJECT REPORTS

### 1. Printing Area

The margins should be: Left: 1.25”, Right: 1.00”, Top and Bottom1.00”. The text should be justified to occupy the full line width. The report must be printed on one side only. Project reports must be printed neatly on one side of the paper on an A4 size bond paper. The reports submitted to the department/guide(s) must be hard bounded with light pink cover with black colour alphabets.

### 2. Abstract

The abstract should summarize the contents of the report and should contain at least 150 and at most 300 words. It should be set in 11-point font size. There should be two blank (10-point) lines before and after the title ABSTRACT. Layout, Typeface, Font Sizes, and Numbering: For the main text, please use 11-point type and 1.5 line spacing. We recommend using Times New Roman fonts. Italic type may be used to emphasize words in running text. Bold type and underlining should be avoided

### 3. Headings

Heading font sizes are given in Table 1.

Table 1: Font sizes of headings. Table captions should always be positioned Above the tables. The final sentence of a table caption should end without a period

|  |  |  |
| --- | --- | --- |
| Heading | Example | Font Size and Style |
| Title | Chapter 1 Introduction | 16 Point Bold |
| First Level Heading | 1.1. Preamble | 14 Point Bold |
| Second Level Heading | 2.3.1. Mandatory | 12 Point Bold |
| Third Level Heading | Creation of database | 12 Point Bold Italicized |

### 4. Footnotes/ Header

Footnotes/Header should appear at the bottom of the normal text area, with a line of about 5 cm in Word set immediately below/above the text. Header sample: (Project title is left aligned and page number is right aligned

<<Project Title>> <<Page Number>>

Sample Footer:

Bhilai Institute of Technology Durg Department of Information Technology 2019-2023

### 5. Page Numbering

Reports must be printed with page numbers on the top right corner.

**Outer Page** *should be printed in Black color on a light pink background*

**Fake Product Detection using Blockchain Technology**

**A project submitted to CSVTU**

## CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY BHILAI CHHATTISGARH (INDIA)

**for the partial fulfillment of degree**

# BACHELOR OF TECHNOLOGY (INFORMATION TECHNOLOGY)

***By***



**Roll No.:300103319064 , 300103319054, 300103319033,300103319050,300103319046**

**Enrollment No.: BH1938,BH4075,BH4071,BH4054,BH4067**

## Under the Guidance of Mrs. Gargi Mishra



**DEPARTMENT OF INFORMTION TECHNOLOGY**

## BHILAI INSTITUTE OF TECHNOLOGY DURG,

## CHHATTISGARH (INDIA)

Session: 2019-2023

**Fake Product Detection Using Blockchain Technology**

**A project submitted to CSVTU**

## CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY BHILAI CHHATTISGARH (INDIA)

**for the partial fulfillment of degree**

# BACHELOR OF TECHNOLOGY (INFORMATION TECHNOLOGY) B.Tech. (IT)

***By***

Shristi Dewangan, Sukanya Choudhury, Poonam Rangari, Riya Kumbhare, Saurabh Dahariya

**Roll No.:300103319064,300103319054,300103319050,300103319033,300103319046**

**Enrollment No.:** **BH1938,BH4075,BH4071,BH4054,BH4067**

## Under the Guidance of Mrs. Gargi Mishra



**DEPARTMENT OF INFORMATION TECHNOLOGY,**

## BHILAI INSTITUTE OF TECHNOLOGY DURG, CHHATTISGARH (INDIA)

Session: 2019-2023

### CERTIFICATE OF SUPERVISOR(S) /GUIDE

This is to certify that the work incorporated in the project “Fake Product Detection Using Blockchain Technology” is a record of project work based on Internship / Industrial Training, successfully carried out by Shristi Dewangan, Sukanya Choudhury, Riya Kumbhare, Poonam Rangari, Saurabh Dahariya bearing Enrollment No. BH1938,BH4075,BH4071,BH4054,BH4067 under my guidance and supervision for the award of Degree of Bachelor **o**f Engineering (Information Technology) – B.Tech. (IT) of Bhilai Institute of Technology, Durg, C.G., affiliated to Chhattisgarh Swami Vivekanand Technical University (CSVTU), Bhilai, C.G., India.

To the best of my knowledge and belief the report embodies the work of the candidate him/herself and has duly been successfully completed.

**Signature of the Supervisor/Guide**

Name: Mrs. Gargi Mishra

Designation: Assistant professor (IT)

Date: 29/12/2021

### DELCLARATION BY THE CANDIDATE

We Shristi Dewangan, Poonam Rangari, Riya Kumbhare, Sukanya Choudhury, Saurabh Dahariya Student of 5th semester, **Bhilai Institute of Technology, Durg,C.G., India**, bearing Enrolment Number BH1938,BH4075,BH4071,BH4054,BH4067 hereby declare that the project entitled “Fake product Detection using block chain technology” has been carried out by us under the Guidance/Supervision of External Guide Mrs. Gargi Mishra , Assistant Professor(IT Department) submitted in partial fulfillment

of the requirements for the award of the Degree of Bachelor Of Technology (Information Technology) – B.Tech.(IT) by Chhattisgarh Swami Vivekanand Technical University during the academic year 2022-2023.

This report has not been submitted to any other Organization/University for any award of Degree/Diploma.

**(Signature of Candidates)**

Date: 29/12/2021

Place: BIT, Durg

### CERTIFICATE OF FORWARDING

This is to Certify that Shristi Dewangan, Poonam Rangari, Riya Kumbhare, Sukanya Choudhury, Saurabh Dahariya, bonafide Students at Bhilai Institute of Technology, Durg, C.G., India , has carried out his project work as mentioned in this project entitled “ **Fake Product detection using block chain Technology** ”, during his/her fifth semester of studies in B.Tech. as a part of a curriculum for obtaining the degree of B.Tech. from Chhattisgarh Swami Vivekanand Technical University (CSVTU), Bhilai, C.G., India to which the institute is affiliated.

This Certificate issued by the undersigned does not cover any responsibility regarding the statements made and work carried out by the concerned student.

The current dissertation is hereby being forwarded for evaluation for the purpose for which it has been

submitted

**Signature of Project Coordinator**

Name:

Designation:

Institution: BIT,Durg

Date: 29/12/2021

**Signature of Head of Department** Name: Dr. Ani Thomas

Designation:

Institution: BIT,Durg

Date:29/12/2021

### CERTIFICATE OF APPROVAL

This is to Certify that the project entitled “ **Fake Product detection using block chain Technology**” , carried out by Shristi Dewangan, Poonam Rangari, Riya Kumbhare, Sukanya Choudhury, Saurabh Dahariya students of fifth semester, B.Tech.(IT) at **Bhilai Institute of Technology, Dug, C.G., India**, is hereby approved after proper examination and evaluation as a creditable work for the partial fulfillment of the requirement for awarding the degree of , B.Tech from Chhattisgarh Swami Vivekanand Technical University (CSVTU), Bhilai C.G. India.

|  |  |
| --- | --- |
| **(Internal Examiner)** Name:  Designation:  College Name: BIT ,Durg  Date: | **(External Examiner)**  Name:  Designation:  College Name:BIT,Durg  Date: |

### ACKNOWLEDGEMENT

I have great pleasure in the submission of this project report entitled “**Fake Product detection using block chain Technology”** in partial fulfillment of the degree of Bachelor of Technology (Information Technology). While submitting this Project report, I take this opportunity to thank those directly or indirectly related to project work.

I would like to thank **Mrs. Gargi Mishra** who has been assigned my guide for the project work. Without his/her active co-operation and guidance, it would have become very difficult to complete task in time.

I would like to express sincere thanks to Mr. Mohan Kumar Gupta Principal , Dr. Ani Thomas, Head of Department (Information Technology).

During submission of the project, I would also like to thank Dr. Jyothi Pillai, Project Coordinator and all Professors of Department of Information Technology, Bhilai Institute of Technology, Durg, C.G., India, for their continuous help and guidance.

Acknowledgement is due to our parents, family members, friends and all those persons who have helped us directly or indirectly in the successful completion of the project work.

Shristi Dewangan, Poonam Rangari, Riya Kumbhare, Sukanya Choudhury, Saurabh Dahariya

**Annexure –H**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Content | | | Page No. |
| a. | Title and Abstract | | | i |
| 1. | **INTRODUCTION.** | | | 1. |
|  | 1.1. | Project description (Initial description of the problem) | |  |
| 2. | **SYSTEM STUDY** | | |  |
|  | 2.1. | Existing system. | |  |
|  | 2.2. | Proposed system. | |  |
| 3. | **SOFTWARE REQUREMENT SPECIFICATION (SRS)** | | |  |
|  | 3.1. | Introduction  3.1.1. Purpose of the SRS. | |  |
| 3.2. | Overall Description  3.2.1. Product Perspective  3.2..2. Product Functions  3.2..3. User Characteristics  3.2.4. Constraints, Assumptions and Dependencies. | |  |
| 3.3. | Non Functional Requirements  3.3.1. External Interface Requirement.  3.3.2. User Interface  3.3.3. Hardware Interface  3.3.4. Software Interface  3.3.5. Communication Interface | |  |
| 3.4. | Functional Requirements 3.4.1. Subsystem 1.  Functional Requirement 1.1  Functional Requirement 1.2  …  3.4.n Subsystem m  Functional Requirement n.1 Functional Requirement n.2  ……… | |  |
| 3.5. | Performance Requirements  3.5.1 Static Performance. | |  |
|  | 3.5.2. Dynamic Performance. | |  |
|  |  |  | |  |
| 3.6. | Design Constraints  3.6.1. Standards Compliance  3.6.2. Hardware Limitations  3.6.3. Reliability and Fault Tolerance.  3.6.4. Security. | |  |
| 4. | **SYSTEM DESIGN** | | | |
|  | 4.1. | Data flow model. | |  |
| 4.1.1. | Use case diagram. |  |
| 4.1.2 | DFD as needed to show functional dependencies. |  |
|  | 4.1.3 | Flowcharts of programs |  |
| 4.2. | Database Design | |  |
| 4.2.1. | Databases |  |
| 4.2.2. | E-R Diagram. |  |
| 5. | **IMPLEMENTATIONS** | | |  |
|  | 5.1. | Code description. | |  |
|  | 5.7. | Input/output interfaces (Screen shots / Snapshots). | |  |
| 6. | **SOFTWARE TESTING** | | |  |
|  | 6.1. | Test Plan | |  |
|  | 6.2 | Test Report | |  |
| 7. | **CONCLUSION** | | |  |