**BLOCK CHAIN BASED ID AS A SERVICE**

*A PROJECT REPORT*

*Submitted to*

### **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**

**KAKINADA**

*In partial fulfillment for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**In**

**INFORMATION TECHNOLOGY**

*Submitted by*

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**APRIL 2019**

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**CERTIFICATE**

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**ACKNOWLEDGEMENT**

Firstly we would like to convey our heart full thanks to the Almighty for the blessings on us to carry out this project work without any disruption.

We are greatly thankful to our principal **Dr. M. EKAMBARAM NAIDU** for his kind support and facilities provided at our campus which helped us to bring out this project successfully.

We are very much grateful to **J.N.PAWAN KUMAR**, H.O.D of I.T Department, for her valuable guidance which helped us to bring out this project successfully. His wise approach made us learn the minute details of the subject. His matured and patient guidance paved away for completing our project with the sense of satisfaction and pleasure.

We are extremely thankful to **Mr. M.SURESH BABU** our guide throughout project. We are also thank him for most independence and freedom of throughout given to us during various phases of the project.

We are also thankful for our projects coordinator **Mr.** **S. JANI BASHA** for his valuable guidance which helped us to bring this project successfully.

Finally, we would like to convey our heart full thanks to our Technical Staff, for their guidance and support in every step of this project. We convey our sincere thanks to all the faculty and friends who directly or indirectly helped us for the successful completion of this project.

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**DECLARATION**

We **N.KRISHNAVASANTHI, G.ARAVIND, K.KIRANKUMAR, I.AZUBA and R.ROHINI** hereby declare that the project report entitled “**BLOCK CHAIN BASED ID AS A SERVICE**” is an original work done in the Department of **Information Technology**, **SRK Institute of Technology**, Enikepadu, Vijayawada, during the academic year 2018-2019, in partial fulfillment for the award of the Degree of **Bachelor of Technology** in Information Technology. We assure that this project is not submitted to any other College or University.

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**ABSTRACT**

A Block chain is a decentralized, distributed and public digital ledger that is used to record transactions across many computers so that any involved record cannot be altered retroactively, without the alteration of all subsequent blocks.

Block chain technology has been known as the underlying technology of crypto currencies, but nowadays it is further considered as a functional technology for improving existing technologies and creating new applications previously never practical. In this paper, we are focused on utilizing block chain technology to introduce a new ID as a service (IDaaS) for digital identity management. The proposed block chain based ID as a service (BIDaaS) is explained with one practical example that shows how the proposed BIDaaS works as an identity and authentication management infrastructure for mobile users of a mobile telecommunication company.

**LIST OF CONTENTS**

DESCRIPTION PAGE.NO

**1. INTRODUCTION**

1.1 Introduction and objective 1

**2. SYSTEM ANALYSIS**

2.1 Existing System 2

2.2 Proposed System 2

2.3 System Requirements

2.3.1 Hardware Requirements 3

2.3.2 Software Requirements 4

2.3.3 Functional Requirements 5

**3.** **FEASIBILITY STUDY**

3.1 Economical Feasibility 6

3.2 Technical Feasibility 6

3.3 Social Feasibility 7

**4. SYSTEM MODULES**

4.1 Admin module 8

4.2 User module 8

**5.** **DATAFLOW DIAGRAM**

5.1 UML DIAGRAM 9

5.1.1 Use case diagram 10

5.1.2 Class diagram 13

5.1.3 Sequence diagram 14

5.1.4 Collaboration diagram 16

5.1.5 Activity diagram 19

**6. SOFTWARE ENVIRONMENT**

6.1 Java technology 22

6.2 Networking 34

6.3 J2ME 40

6.4 Secure Hash Algorithm 45

6.5 MY SQL 45

**7. CODING AND IMPLEMENTATION**

7.1 Sample code 47

7.2 Screen shots 57

**8. SYSTEM TESTING**

8.1 Types of Testing

8.1.1 Unit testing 66

8.1.2 Integration testing 67

8.1.3 Function Testing 67

8.1.4 System Testing 68

8.1.5 White Box Testing 68

8.1.6 Black Box Testing 69

8.2 Test cases 71

**9. CONCLUSION** 76

**10.FUTURE ENHANCEMENT** 77

**REFERENCES** 78