DECLARATION

We hereby declare that all the work presented in dissertation entitled "**Smart Contract**" in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Computer Science & Engineering**, Guru Tegh Bahadur Institute of Technology, affiliated to Guru Gobind Singh Indraprastha University, Delhi is an authentic record of our own work carried out under guidance of **Ms. Poonam Narang**.

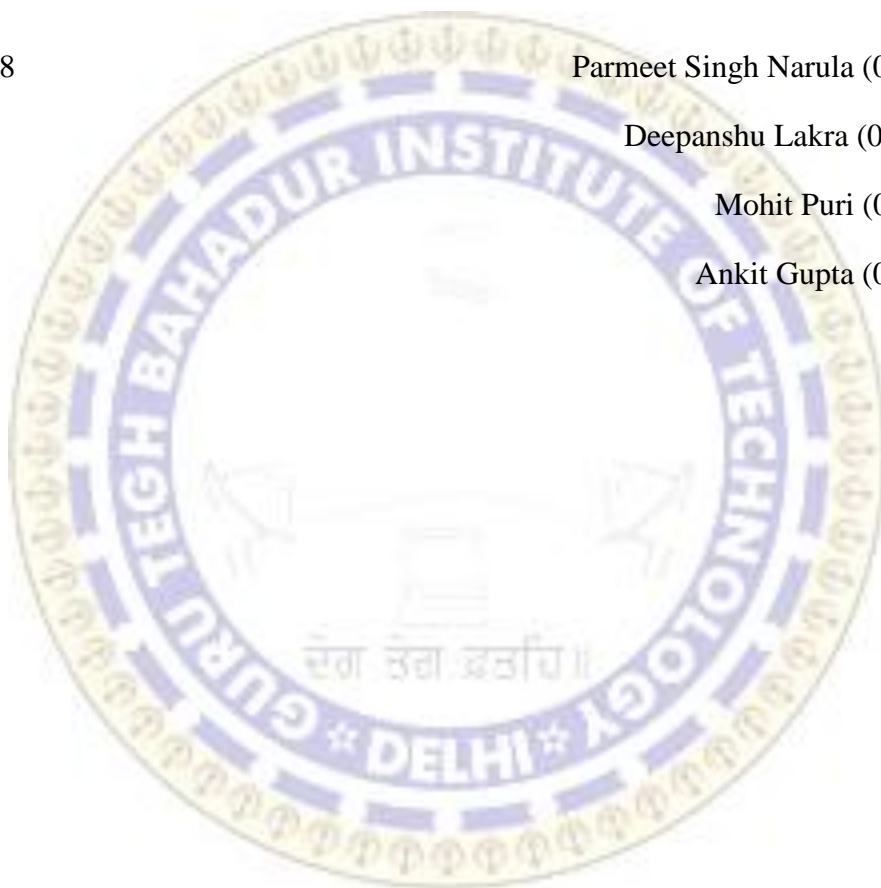Date: 18/04/18   Parmeet Singh Narula (005/CSE/2014)

Place: Delhi   Deepanshu Lakra (017/CSE/2014)

                                                   Mohit Puri (018/CSE/2014)

                                                   Ankit Gupta (026/CSE/2014)

CERTIFICATE

This is to certify that the project entitled "**Smart Contract**" is being submitted at GTBIT, Delhi for the award of Bachelor of Technology in **Computer Science & Engineering** degree. It contains the record of bonafide work carried out by **Mr. Parmeet Singh Narula, Mr. Deepanshu Lakra, Mr. Mohit Puri** and **Mr. Ankit Gupta** under my supervision and guidance. It is further certified that the work presented here has reached the standard of B.Tech. and to the best of my knowledge has not been submitted anywhere else for the award of any other degree or diploma.

Ms. Poonam Narang   **Mr. Aashish Bhardwaj**

(Project Mentor)   (Head of Department)

                                               Computer Science & Engineering

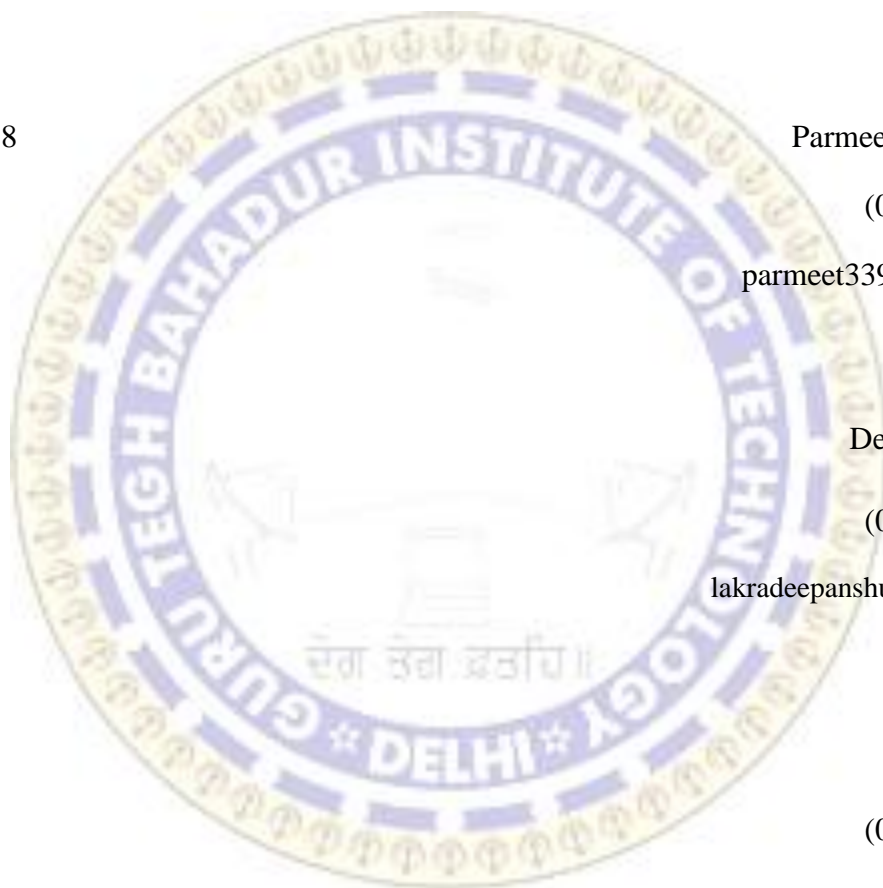   GTBIT, Delhi

ACKNOWLEDGEMENT

Apart from the efforts of us students, the success of any project depends largely on the encouragement and guidelines of many others. I take this opportunity to express my gratitude to the people who have been instrumental in success of this project. I would like to show my greatest appreciation to **Ms. Poonam Narang**. Without their help we could not have presented this dissertation upto the present standard. We also take this opportunity to give thanks to all others who gave us support for the project.

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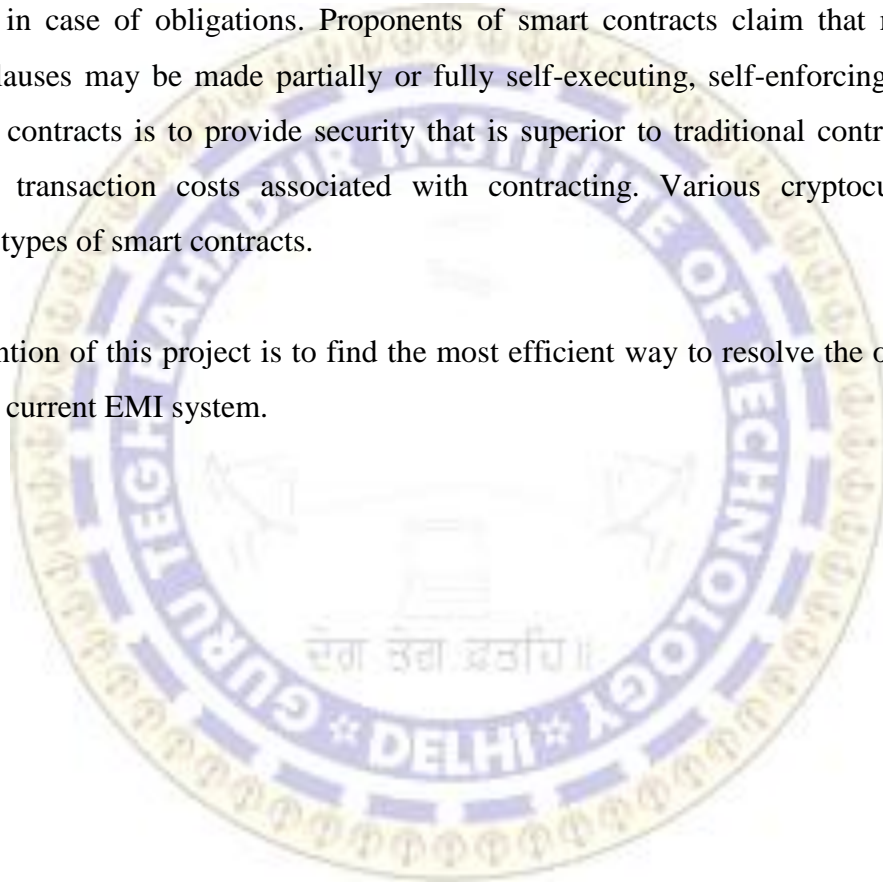mpuri108@gmail.com

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ABSTRACT

A **Smart Contract** is a computer protocol intended to digitally facilitate, verify, or enforce the negotiation or performance of a contract. Smart contracts allow the performance of credible transactions without third parties. These transactions are trackable and irreversible.

The Application allows consumer and vendor to generate a mutual smart contract which is an digitally coded contract written in programming language i.e. Solidity which has the ability to get executed in case of obligations. Proponents of smart contracts claim that many kinds of contractual clauses may be made partially or fully self-executing, self-enforcing, or both. The aim of smart contracts is to provide security that is superior to traditional contract law and to reduce other transaction costs associated with contracting. Various cryptocurrencies have implemented types of smart contracts.

The sole intention of this project is to find the most efficient way to resolve the obligations that are present in current EMI system.

LIST OF FIGURES