

# SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

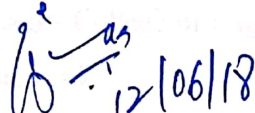
## Department of Computer Science and Engineering

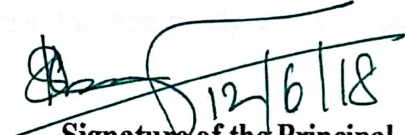


### Certificate

Certified that the Project Work entitled **"BITCOIN SERVICE TRANSACTION"** carried out by **ARITHA M (ISG14CS037), JAYALAKSHMI G (ISG14CS038), KRUTHIKA M (ISG14CS046), ANASA H N (ISG14CS053)**, bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of J. J. S. Technological University, Belagavi during the academic year 2017-2018. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of **Project Work (10CS85)** prescribed for the said degree.

  
Signature of the Guide  
**Shilpa M**  
Asst. Professor

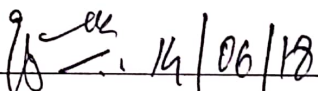
  
Signature of the HOD  
**Dr. Yogish H K**  
Professor & Head  
Department Of Computer Science & Engg.  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road,  
Bengaluru-560 057.

  
Signature of the Principal  
**Dr. K L Shivabasappa**  
Principal

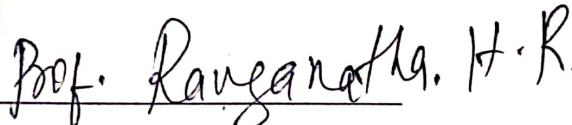
#### INTERNAL EXAMINATION:

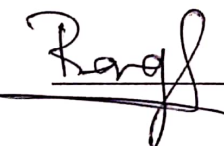
Name of the Examiners

Signature with Date

  
14/06/18

  
Dr. Yogish H K

  
Prof. Ranganatha. H. R.

  
Ranga 14/06/18

---

## ABSTRACT

Bitcoin is a cryptocurrency and worldwide payment system. It is the first decentralized digital currency, as the system works without a central bank or single administrator. The network is peer-to-peer and transactions take place between users directly, without an intermediary. These transactions are verified by network nodes through the use of cryptography and recorded in a public distributed ledger called a blockchain. The smart coins with associated non uniformed funds for smart transactions are created. These transactions are with secured online OTP gateways with user friendly selection with volume of transactions. Fully service oriented architecture has to be online with asynchronous transactions facility and automated with selective transactions with email security gateway (OTP). This way transactions will carry on with fully non distributive model with a new framework (in this work we created a new framework called CST). So transactions with funds framed from coin's funds are reduced and visually appears to the user.