

A Mini Project Report
on

**PROJECT BASED LEARNING: PREDICTING BITCOIN
PRICES USING DEEP LEARNING**

Submitted to

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MAHATMA GANDHI UNIVERSITY**

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In
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BY

R Sivaram - [4511-19-733-008]

M Shiva - [4511-19-733-041]

B Srivani - [4511-19-733-004]

Under the Esteemed Guidance of

Mrs. M. JYOTHI RANI

Assistant Professor (C)

Dept. of CSE, UCE&T, MGU.



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
UNIVERSITY COLLEGE OF ENGINEERING & TECHNOLOGY
MAHATMA GANDHI UNIVERSITY**

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UNIVERSITY COLLEGE OF ENGINEERING & TECHNOLOGY
MAHATMA GANDHI UNIVERSITY

PANAGAL, NALGONDA – 508001



CERTIFICATE

This is to certify that this project entitled “**Project Based Learning: Predicting Bitcoin Prices using Deep Learning**” is a bonafide work carried out by R Sivaram [4511-19-733008], M Shiva [4511-19-733-041], B Srivani [4511-19-733-004] in partial fulfillment of the requirements for the award of mini project in Bachelor of Technology in Computer science and Engineering from Mahatma Gandhi University, Nalgonda during the year 2021-2022. The project report satisfies the academic requirements in respect of the project work prescribed for the said Degree.

Project Guide

Mrs. M. JYOTHI RANI

Assistant Professor (C)

Dept. of CSE

UCE&T, MGU

Nalgonda

Head of the Department

Mrs. CH. SWARNALATHA

Assistant Professor (C)

Dept. of CSE

UCE&T, MGU

Nalgonda

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With gratitude,

Our Team,

R Sivaram [4511-19-733-008]

M Shiva [4511-19-733-041]

B Srivani [4511-19-733-004]

DECLARATION

We, hereby declare that the Mini Project entitled, “**Project Based Learning: Predicting Bitcoin Prices using Deep Learning**” has been carried out by us under the guidance of **Mrs. M. Jyothi Rani, Asst. Professor**, UCE&T, MGU, Nalgonda, in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in **Computer Science and Engineering**, of the University College of Engineering & Technology, MGU during the academic year 2021-22. The work done in this dissertation report is original and it has not been submitted for any other degree in any university.

(Student Signature)

R Sivaram [4511-19-733-008]

M Shiva [4511-19-733-041]

B Srivani [4511-19-733-004]

ABSTRACT

Project based learning is the methodology in which projects drive knowledge and is used in dedicated subjects without negotiating the coverage of the required technical material. In this project we discuss the scheme and delivery of project-based learning in computer science engineering as major project which adopts undergraduate creativities and emphasizes on realworld, open-ended projects. This project fosters a wide range of abilities, not only those related to content knowledge or technical skills, but also practical skills. The goal for this innovative undergrad project is to show how a trained machine model can predict the price of a cryptocurrency if we give the right amount of data and computational power. It displays a graph with the predicted values. The most popular technology is the kind of technological solution that could help mankind predict future events. With vast amount of data being generated and recorded on a daily basis, we have finally come close to an era where predictions can be accurate and be generated based on concrete factual data. Furthermore, with the rise of the crypto digital era more heads have turned towards the digital market for investments. This gives us the opportunity to create a model capable of predicting crypto currencies primarily Bitcoin. This can be accomplished by using a series of deep learning techniques and methodologies.

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