

# DECENTRALIZED MUSIC APPLICATION USING BLOCKCHAIN

*A project report submitted in partial fulfillment of the requirements for the award of the  
Degree of*

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

Submitted by

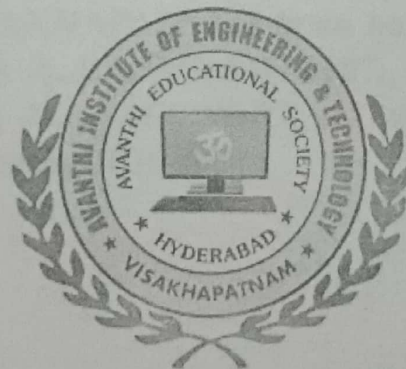
M. NIKITHA	-	20811A0561
A. RAJA	-	20811A0507
G. SAMUEL	-	20811A0540
CH. NITISH	-	20811A0524
M. NAGENDRA REDDY	-	20811A0558

Under the guidance of

Ms. V. SYAMALA, M.Tech

*Assistant professor*

*Department of Computer Science and Engineering*



AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Permanently affiliated to JNTU-GV, Vizianagaram)

(Accredited by NAAC, UGC & NBA, AICTE)

MAKAVARAPALEM, NARSIPATNAM,

VISAKHAPATNAM-531113

(2020-2024)

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VISAKHAPATNAM-531113



## CERTIFICATE

This is to certify that the project entitled "DECENTRALIZED MUSIC APPLICATION USING BLOCKCHAIN" in partial fulfilment for the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is an bonafide work carried out by M. NIKITHA(20811A0561), A. RAJA(20811A0507), G. SAMUEL(20811A0540), CH. NITISH(20811A0524), M. NAGENDRA REDDY(20811A0558) under the guidance and supervision during 2023-2024.

**V.SYAMALA**

**Project Guide**

**M.CHIRANJEEVI**

**Head of the Department**

**External Examiner**

## ABSTRACT

The music business has long struggled with concerns of audience involvement and artist recompense. While handy for listeners, streaming services frequently give artists a little portion of the money. Blockchain-powered decentralized music apps (dApps) provide a game-changing alternative by promoting a fairer and more open environment for fans and artists alike. The potential of dApps in the music industry is examined in this abstract, which emphasizes MetaMask's significance as a crucial user interface. Blockchain technology, a distributed digital ledger, is used by decentralized music dApps to build a safe and open music distribution network. dApps store music on a peer-to-peer network as opposed to standard platforms, which store it on centralized servers. Traditional label's gatekeeping techniques do not apply to decentralized networks. This gives listeners access to a wider variety of sounds by opening avenues for independent musicians and niche genres. Certain dApps experiment with tokenization, letting listeners own a portion of a music or record. This can give listeners a stake in the music they enjoy and possibly a portion of the earnings in the future. The well-known bitcoin wallet and browser plugin MetaMask serves as a conduit for users to interact with the dApp ecosystem.