CCA - Assignment 01

(i) How has the concept of "credit to cash" evolved with

The concept of "credit to cash" has evolved with the emergence of cryptocurvencies by affering a more direct by decembralized means of exchanging value without relying on traditional banking system or intermediavies like banks. Instead of converting credit into physical cash, user can directly transact using digital converses, by passing traditional banking systems this evaluation has introduced the idea of a decembralized financial system where individual have more control over their fund by can transact globals with greater case and speed.

92] What is Bitcain 9 Mention your views

Bilian is a decentralized digital curriency that operate on a peer-to-per network, allowing user to transact directly without the need for intermediances like bank. It's based on blockchain technology and offers a transparent, immutable ledger. Bilicoin has gained popularity as a store of value 4, a heage against inflation, but its volatile nature and scalabilities issue are subject of debate.

- (3) Discuss the Bitroin consensus algorithm and how it ensures agreement among network participants?
- The Bilcoin consensus algorithm, known as proof of work ensures agreement among network participants by requiring miners to solve complex mathematical policies to validate transaction and add them to the blakchain. This process secure the accurate and present double spending by mixing to making it computationally expensive to alter the blackhain history.
- 94) what is centralised and decentralised cryptocurrency?
- that are controlled by a single entity or authority

 Decentralized company or govt.
 - Decentualized chyptocurvency, like Bituin, operate on a distributes network of rodes, where no single entity has control orbit the university or its transactions.
 - Decentualization provides increased transparency. Security and consorship resistance.
- 93] list and state various bitrain block parameters
- Various Bitroin black parameters include

Black height - The sequential member assigned to each block in the blackchain

Elock size - The maximum data size a block can had typically measured in bytes

Black timestamp - The time when the block was mired.
reworded in this time format.

Markle most - The bash of all the transaction in the

Nonce - A random no. generated cluming mining that when combined with other block data, produces a bash below a certain tauget value, required for blocked validation.