Assignment 4

Mary good

are enforced in the duital world. Discuss the limitation and challengs at implementing smart conteacts in real world, application, tow do they challengs. Impact the broader adoption of blode chain technology. In various industries

=> Limitation and challenges.

Complexity and coding errors: Developing robust smart.

contracts requires specialized skills and deep understanding of black-chain technology

Orades problem: Smart contracts sely on external data.

feeds to interact, with the real world.

The accuracy and reliability of this data are critical.

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Scalability: Many black chain platforms struggle to hardle.

the high transaction volume required for
large scale smart contract applications.

Immutability: While immutability is core poinciple of block chain it can be double edged soft, due to which cross in smoot compact cannot be resolved.

User experience. .. Introading with smart contract:

Can be Complex for mon-technical.

UMS.

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Impact of Block chain adoption.

Trust and confidence: High-profile failures of smart.

Contracts can exade trust in.

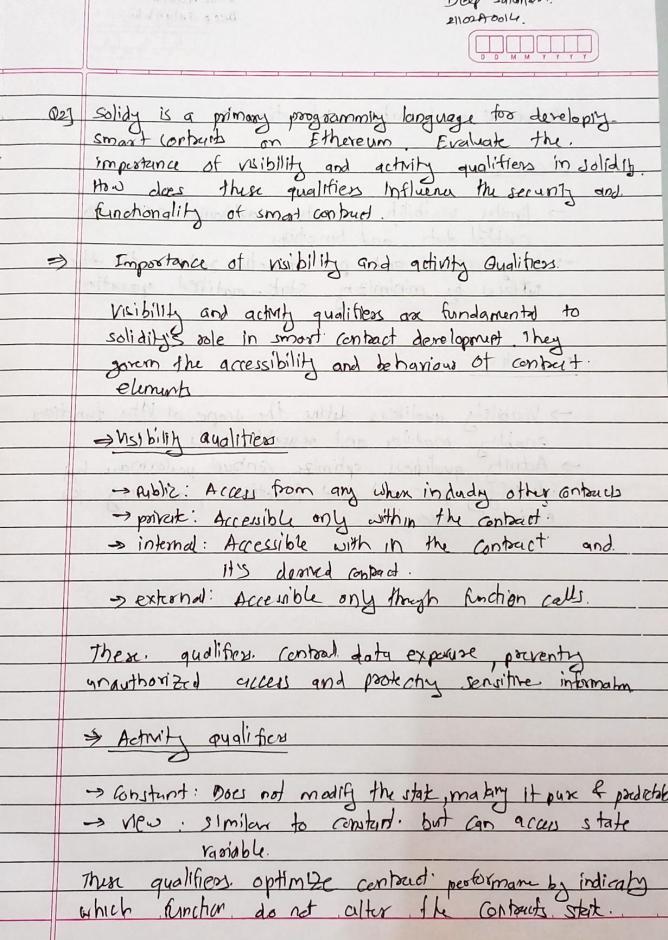
block chain technology as whole.

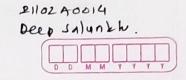
Limited use costs: The current limitation sesting the applicability of blockchain to a.

Subset of the cases.

Development cost: The complexity of developmy secure ant seliable smoot combatt. Incorpor development ookt.

Regulatory Barriers: Lock of clear regulation can create uncertainty and discourage investment in block chain projets





Influence	on	Security	and	func	tional	10
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Security : - Make him Hillidian in mortings

- limity visibility prevents unauthorized access to
- > Using constant and pure function reduces the others

Funtionality animaled las Hillalosons all arms

- > Visibility qualifiers define the scope of Ata functions, enabling modular and newsable code
 > Advirty qualifiers optimize contract posterman by identifying part and view functions, allowing for efficient execution.