



FINAL YEAR PROJECT REPORT

**LOGISTICS MANAGEMENT USING BLOCK
CHAIN AND IOT**

In fulfillment of the requirement
For degree of
BS (Computer Science)

By

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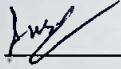
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
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We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

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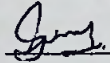
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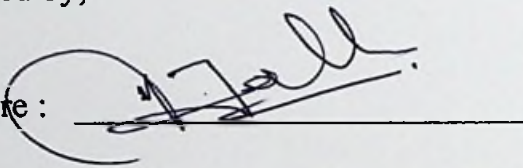
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APPROVAL FOR SUBMISSION

We certify that this project report entitled '**LOGISTICS MANAGEMENT USING BLOCK CHAIN AND IOT**', prepared by **SANYA SAAD, SYED HASSAN IMRAN AND MUHAMMAD ARSALAN ZAHID** has met the required standard for submission in partial fulfilment of the requirements for the award of Bachelor of Computer Science (Honours) at Bahria University.

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ACKNOWLEDGEMENTS

We would like to thank everyone who has contributed to the successful completion of this project. We would like to express our gratitude to our research supervisor, Sir Talha Alam for his invaluable advice, guidance and his enormous patience throughout the development of the research.

LOGISTICS MANAGEMENT USING BLOCK CHAIN AND IOT

ABSTRACT

Logistics management is the part of supply chain management and supply chain engineering that plans, implements, and controls the efficient, effective forward, and reverse flow and storage of goods, services, and related information between the point of origin and point of consumption to meet customer's requirements. Logistics basically deals with transportation/delivery, storage, packaging, cargo handling, distribution processing, and information processing, and many systems have been put in place to deliver products from the sender location or factory to the receiver quickly and on time.

This project basically revolves around providing a safe and secure mode for the transportation of packages from one point to another using block chain while simultaneously providing real time information of longitude and latitude through GPS and status about the package through IOT. The main advantage of using block chain technology is that data and information maintained using it cannot be tampered with, that is once the information is stored it is next to impossible to change, only new data can be added at the 'end' of the 'chain' of data/information thus providing a shared, immutable log of every activity within a decentralized system, enabling easy and transparent monitoring. Another essential feature is broad automation. Finally, it helps achieve specific business goals, such as maximizing liquidity in retail.

The project follows a three-tier methodology with a frontend which will be a website, a middle ware communicating server that connects the website (UI/UX Design) to the IOT device.

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