## Path Finder Pro Project

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS OF MINI PROJECT 1A

**SEMESTER VI**

IN

**INFORMATION TECHNOLOGY**

BY

Kein Machado

Aditya Shinde

Sacchidanand Yadav

Shivam Sahu

UNDER THE GUIDANCE OF

**Ms. Meena ugale**

(Assistant Professor, Department of Information Technology)



**INFORMATION TECHNOLOGY DEPARTMENT XAVIER INSTITUTE OF ENGINEERING UNIVERSITY OF MUMBAI**

**2024-2025**

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**CERTIFICATE**

This to certify that

KEIN MACHADO (2023022004)

ADITYA SHINDE (202103050)

SACCHIDANAND YADAV (202103063)

SHIVAM SAHU (202103040)

Have satisfactorily carried out the MINI-PROJECT work titled “**PATH FINDER PRO PROJECT ”** in partial fulfillment of the degree of Bachelor of Engineering as laid down by the University of Mumbai during the academic year 2024-2025.

**Internal Examiner/Guide External Examiner**

**Date:** 03/04/2025

**Place: MAHIM, MUMBAI**

**DECLARATION**

I declare that this written submission represents my ideas in my own words and where others’

Ideas or words have been included, I have adequately cited and referenced the original sources.

I also declare that I have adhered to all the principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission.

I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which thus have not been properly cited or from whom proper permission have not been taken when needed.

KEIN MACHADO (2023022004)

ADITYA SHINDE (202103050)

SACCHIDANAND YADAV (202103063)

SHIVAM SAHU (202103040)

Date: 03/04/2025

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# ABSTRACT

**(Students should write 1 page/ 100 words abstract of their project Just like mentioned below)**

Digitalization and the development of new information technology is one of the strongest forces of change in society. The technology called ”blockchain” is one of the most talked-about technologies in recent years, both within the IT community, but also within the financial services industry.

Blockchain is making waves in the real estate sector with the level of transparency it provides. The technology is being considered for use in land registration with its ability to immutably record and share information.

The immutable, decentralized nature of the blockchain network renders data transparent for any untrusted party to verify. With self-executable smart contracts, trust is enhanced between parties and outcomes are validated by everyone in the network. Traditional land transaction records can now be replaced by a distributed ledger protected by cryptography and consensus technology.

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**Acknowledgement**

We would like to thank Fr. Dr. John Rose S.J (Director of XIE) for providing us with such an environment so as to achieve goals of our project and supporting us constantly.

We express our sincere gratitude to our Honorable Principal Dr. Y.D.Venkatesh for encouragement and facilities provided to us.

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With deep sense of gratitude we acknowledge the guidance of our project guide **Guide Name**.

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We would also like to thank our entire Information Technology staff who have willingly cooperated with us in resolving our queries and providing us all the required facilities on time.

KEIN MACHADO (2023022004)

ADITYA SHINDE (202103050)

SACCHIDANAND YADAV (202103063)

SHIVAM SAHU (202103040)

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**COURSE OUTCOMES**

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| --- | --- |
| **CO No.** | **COURSE OUTCOME** |
| ITM 601.1 | Identify problems based on societal /research needs. |
| ITM 601.2 | Apply Knowledge and skill to solve societal problems in a group. |
| ITM 601.3 | Demonstrate project management principles and develop interpersonal skills to work as member of a group or leader. |
| ITM 601.4 | Draw the proper inferences from available results through theoretical/ experimental/simulations and excel in written and oral communication. |
| ITM 601.5 | Identify problems and analyze the impact of solutions in societal and environmental context for sustainable development. |
| ITM 601.6 | Use standard norms of engineering practices to Demonstrate capabilities of self-learning in a group, which leads to life-long learning. |

**CO-PO-PSO MAPPING**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ITM 601.1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ITM 601.2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ITM 601.3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ITM 601.4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ITM 601.5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ITM 601.6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |