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**Section 2 – *Project Information***

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| **Project Title** | **Trusted and Distributed AI Systems Enabled by Blockchain Technologies** | |
| **Project Highlights** | 1. | **Enhancing Trust in AI Systems**: At the core of the project lies the endeavour to leverage blockchain's transparency and immutability to fortify trust in AI systems. By meticulously recording AI-related transactions and activities on a distributed ledger, stakeholders can scrutinise and validate the integrity of data and algorithms, instilling a heightened sense of confidence in the decisions and outcomes driven by AI. |
| 2. | **Decentralising AI Infrastructure:** Through strategic utilisation of blockchain technology, the project aims to dismantle the conventional centralised structures prevalent in AI infrastructure. By dispersing AI computations across a network of nodes, the project seeks to bolster scalability, resilience, and security while democratising access to AI resources. This decentralised approach holds the potential to reshape the landscape of AI infrastructure, fostering innovation and inclusivity. |
| 3. | **Ensuring Data Privacy and Security:** Amid mounting concerns surrounding data privacy and security, the project places paramount emphasis on employing blockchain-based privacy preserving and access control mechanisms to safeguard sensitive AI-related data. By endowing users with enhanced control over their data and fortifying data provenance, the project aims to mitigate risks associated with unauthorised access, manipulation, and exploitation of AI-generated insights. This unwavering commitment to data privacy and security underscores the project's dedication to fostering a responsible and ethical AI ecosystem. |
| **Project Summary** | | |
| This project delves into the synergy between blockchain technologies and artificial intelligence (AI) systems, aiming to bolster trust and decentralisation in AI applications. By harnessing blockchain's immutable ledger and decentralised consensus mechanisms, the project aims to tackle pivotal challenges surrounding data integrity, transparency, and accountability within AI ecosystems. The envisioned framework seeks to provide a robust foundation for constructing trustworthy and distributed AI systems, thereby catalysing the widespread adoption of AI innovations across diverse industries. Through meticulous research and experimentation, the project also aims to develop innovative solutions that not only enhance the reliability and transparency of AI-driven processes but also foster greater collaboration and inclusivity within the AI community. | | |