



## Meeting 1: Understanding Blockchain Research Challenges & Needs

**Q1: What specific areas of blockchain research are you focused on?**

**A1:** "My research focuses on blockchain security, smart contract vulnerabilities, and decentralized finance (DeFi) applications."

**Q2: What challenges do you face in finding relevant and up-to-date blockchain research?**

**A2:** "Blockchain evolves rapidly, so many research papers become outdated quickly. Finding credible and latest sources is difficult."

**Q3: How do you currently search for blockchain research papers and technical documentation?**

**A3:** "I use platforms like Google Scholar, IEEE Xplore, and ArXiv, but filtering relevant papers takes a lot of manual effort."

**Q4: Have you used AI tools for research? If so, what limitations have you encountered?**

**A4:** "Yes, I've used AI for summarizing research, but sometimes it misses technical details or provides generic insights."

**Q5: How do you verify the credibility of blockchain-related research and technical papers?**

**A5:** "I cross-check references, validate results against GitHub repositories, and compare findings with industry whitepapers."

**Q6: What part of your research process is the most time-consuming?**

**A6:** "Reading through whitepapers, analyzing blockchain protocol updates, and summarizing key findings."

**Q7: Would an AI tool that retrieves, summarizes, and organizes blockchain research be helpful? If yes, how?**

**A7:** "Yes, especially if it can highlight key concepts, security issues, and emerging trends in a structured way."

**Q8: How important is source verification in blockchain research?**

**A8:** "Extremely important. AI-generated summaries must provide citations and direct links to original papers and GitHub repositories."

**Q9: Do you need AI-generated research insights in a specific format?**

**A9:** "Yes, structured abstracts that summarize methodology, findings, and potential applications in real-world blockchain systems."

**Q10: What concerns do you have about using AI for blockchain research?**

**A10:** "AI hallucinations are a major concern. Blockchain is a technical field, and inaccurate AI outputs could mislead researchers."



## Meeting 2: AI's Role in Blockchain Teaching & Knowledge Management

**Q1: How do you currently create and structure your blockchain teaching materials?**

**A1:** "I manually prepare slide decks, hands-on coding exercises, and case studies based on real-world blockchain implementations."

**Q2: Would AI-generated lesson plans, quizzes, or study guides help your teaching process?**

**A2:** "Yes, generating quizzes on smart contracts, cryptographic techniques, and blockchain consensus mechanisms would save time."

**Q3: What type of content format works best for blockchain students—text-based, visual, or interactive?**

**A3:** "Blockchain is complex, so interactive content like flowcharts, blockchain simulations, and code walkthroughs are most effective."

**Q4: How do you ensure that students rely on credible blockchain resources?**

**A4:** "I guide them to read whitepapers, use blockchain explorers, and experiment with test networks, but filtering reliable sources remains a challenge."

**Q5: Would an AI tool that suggests real-time improvements to smart contract code be useful?**

**A5:** "Absolutely! An AI that audits smart contracts for security vulnerabilities would be very beneficial for students."

**Q6: How frequently do you update your blockchain teaching materials?**

**A6:** "Every few months, since blockchain technology changes rapidly. Keeping up with the latest developments is challenging."

**Q7: Would an AI tool that generates blockchain content in multiple languages be helpful?**

**A7:** "Yes, it would help students from different backgrounds understand blockchain concepts more easily."

**Q8: How do you balance technical depth with simplicity when teaching blockchain concepts?**

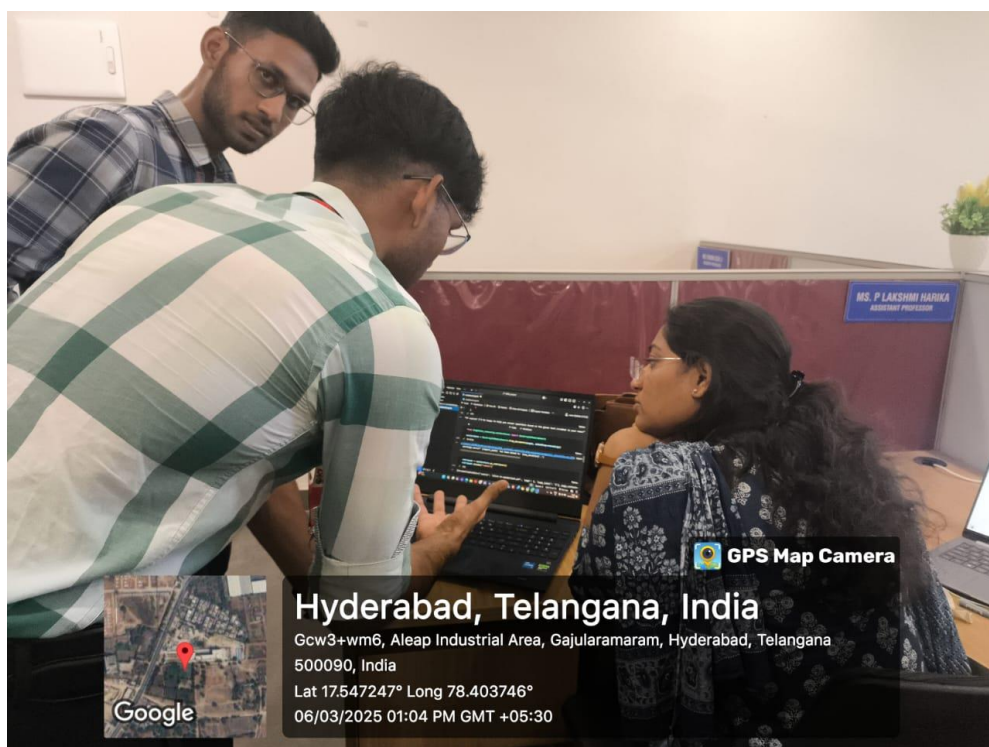
**A8:** "I start with fundamental concepts like cryptography and distributed networks, then gradually introduce technical complexities."

**Q9: Would a tool that explains blockchain topics at different difficulty levels (beginner, intermediate, expert) be useful?**

**A9:** "Yes, especially for explaining blockchain consensus mechanisms and cryptographic principles in different levels of complexity."

**Q10: What ethical concerns do you have about AI-generated blockchain content?**

**A10:** "Accuracy and misinformation. AI should avoid generating misleading blockchain investment advice or insecure smart contract code."



### Meeting 3: User Experience & AI Personalization in Blockchain Research

**Q1: What features would an ideal AI-powered blockchain research assistant have?**

**A1:** "It should extract key insights from research papers, verify data sources, and suggest practical implementations."

**Q2: Would you prefer an AI tool that is fully automated or one that allows manual refinement?**

**A2:** "A combination of both. AI can provide initial insights, but manual verification is necessary for accuracy."

**Q3: How do you track the latest advancements in blockchain technology?**

**A3:** "Through GitHub repositories, blockchain developer forums, and conference publications, but it's difficult to keep up."

**Q4: Would an AI tool that alerts you to newly published blockchain research be useful?**

**A4:** "Yes, especially if it filters by relevance and provides concise summaries of key findings."

**Q5: What are the biggest challenges in organizing blockchain research data?**

**A5:** "Managing multiple sources—academic papers, developer blogs, and real-time blockchain data—all in one place."

**Q6: Would AI-generated visuals like blockchain network diagrams and transaction flowcharts help your research?**

**A6:** "Definitely! Visualizing how transactions flow across a blockchain network would improve understanding."

**Q7: How important is it for AI-generated blockchain explanations to be interactive rather than just text-based?**

**A7:** "Interactivity is key. Blockchain concepts like Merkle trees and consensus mechanisms are best understood through simulations."

**Q8: Would an AI tool that identifies vulnerabilities in blockchain protocols be beneficial?**

**A8:** "Yes! AI-powered security analysis of blockchain smart contracts would be a game-changer."

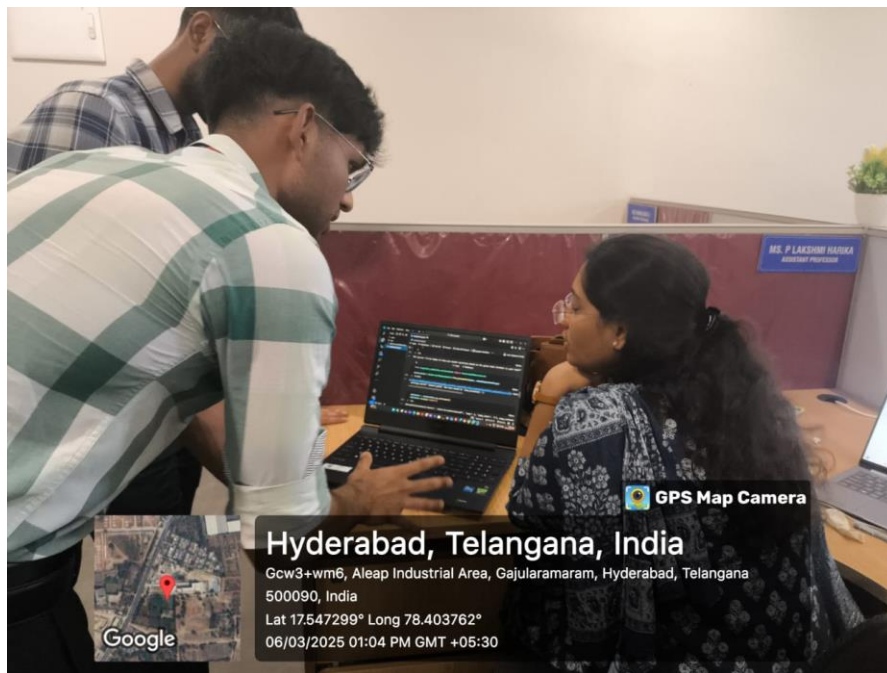
**Q9: How can AI improve collaboration among blockchain researchers and educators?**

**A9:** "By connecting researchers with similar interests, suggesting relevant research collaborations, and sharing best practices."

**Q10: If an AI system could recommend blockchain projects to contribute to, would you find that helpful?**

**A10:** "Yes, it would help researchers and developers find meaningful blockchain projects based on their expertise."





#### **Meeting 4: Future Goals, AI Expansion & Ethical Considerations in Blockchain**

**Q1: What are your long-term goals as a blockchain researcher and educator?**

**A1: "I want to contribute to blockchain security research, develop open-source blockchain education materials, and mentor students in the field."**

**Q2: How do you see AI transforming blockchain research and education in the next five years?**

**A2: "AI will help automate blockchain audits, enhance research synthesis, and improve blockchain education accessibility."**

**Q3: Would AI-generated structured research summaries be useful for blockchain publications?**

**A3: "Yes, if they maintain technical depth and provide direct references to primary sources."**

**Q4: How can AI help improve blockchain adoption and understanding?**

**A4: "By simplifying blockchain concepts for non-technical users and providing real-time transaction analysis."**

**Q5: What additional AI features would you like to see developed for blockchain research?**

**A5: "AI-powered security scanning for smart contracts, blockchain forensics, and automated compliance analysis for DeFi projects."**

**Q6: How do you plan to integrate AI into your blockchain research and teaching over time?**

**A6: "I plan to use AI-powered tools to generate educational content, analyze security vulnerabilities, and improve blockchain research efficiency."**

**Q7: What funding sources or research grants could support AI-driven blockchain education?**

**A7: "University grants, blockchain foundation sponsorships, and government-backed AI research programs."**

**Q8: Would you be open to collaborating on AI-powered blockchain projects?**

**A8: "Yes, especially if it involves security auditing, decentralized governance models, or AI-driven blockchain simulations."**

**Q9: How should AI-generated blockchain content be verified for accuracy and security?**

**A9: "Through peer review, validation against blockchain network data, and expert audits."**

**Q10: Would it be useful if the RAG system could read and process tables from research papers?**

**A10: "Yes, tables often contain critical blockchain performance metrics, security vulnerabilities, and transaction data. If RAG can extract and interpret table data accurately, it would significantly improve research efficiency."**