

Final Slide Distribution for SkillChain PPT

Slide 1 – Team Name

Team Name: (Your Team Name)

Dept / Year

Hackathon Title

Slide 2 – Problem Statement (What we're trying to solve)

Problem:

Traditional resumes/certificates don't validate real skills.

Online courses (Udemy, Coursera) = costly, one-way learning.

Lack of peer-to-peer, trust-based, affordable learning.

Slide 3 – Existing Systems & Gaps

Existing Systems:

Udemy, Coursera → Paid, video-based, no personal exchange.

LinkedIn Learning → Professional focus, less hobby/personal skills.

Skillshare → Subscription model, not flexible for micro-learning.

Gaps:

No real barter-based exchange of skills.

No proof of skill validation before teaching.

Lacks AI matchmaking for personalized learning.

Slide 4 – Idea Brief (Our Solution)

SkillChain – Micro Skill Exchange & Learning Network

Earn Skill Tokens by teaching → Spend them to learn.

Modes: Live calls (WebRTC/Zoom) or recorded lessons.

AI Matchmaking for right teacher-learner pairing.

Skill Proof Portfolio before becoming a teacher.

Gamified learning with badges, streaks, progress tracking.

Slide 5 – System Architecture

(Use a diagram here — blocks for User → Auth → Backend → Token System → AI Match → Video Call → Feedback Loop)

Bullet Points:

Users register & create skill portfolio.

Backend manages auth, tokens, sessions.

AI engine recommends teachers/learners.

Video SDK/WebRTC for teaching.

Ratings & reviews loop ensures trust.

Slide 6 – Modules

Skill Credits System – Earn/spend tokens.

Skill Proof Portfolio – Upload demo / quiz / AI validation.

Skill Matchmaking – AI-powered recommendations.

Teaching Modes – Live (Zoom/WebRTC) / Recorded.

Feedback & Ratings – Quality check.

Gamified Learning – Badges, progress charts.

Slide 7 – Tech Stack

Frontend: React / Next.js / Flutter

Mobile App: Flutter / React Native

Backend: Node.js + MongoDB / Firebase

Auth: Firebase Auth / OAuth

Video Calls: WebRTC / Zoom SDK

AI Matchmaking: Python + scikit-learn / OpenAI NLP

Token System: Firebase logic or Smart Contract

Notifications: Firebase Cloud Messaging

Slide 8 – Impact

Democratizes learning → Free, fair skill exchange.

Inclusive: Students, homemakers, freelancers, retirees.

Trust through validation: Proof demos + peer ratings.

Micro-learning community → short, real, practical skills.

Slide 9 – Future Enhancements

Blockchain-based token system (Web3).

AI mentor-bot for instant practice.

Corporate/college skill-sharing networks.

Integration with LinkedIn → Auto skill badges.

Slide 10 – Conclusion

SkillChain bridges the gap between learning & proof of learning.

It's not just a platform → it's a knowledge economy.

A sustainable, peer-driven solution for the future of learning.