

ACADEMIC PARTNERSHIP PROGRAMS · EXPERT

Startup Technology Incubation Support

Build your startup's tech, right.

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LEVEL	Expert
DURATION	6 Months
MODULES	6
CERTIFICATE	SAM-STARTUP

Why this program

Technology mentorship and advisory for student-led startups.

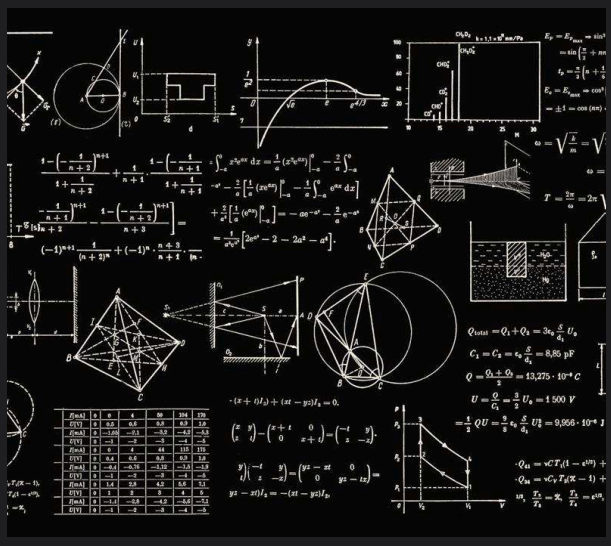
Early technology decisions shape a startup's speed, cost, security and credibility with investors for years. This incubation support program gives student-led startups structured technical mentorship over six months, from validating the idea and choosing a tech stack to building secure products, planning product and AI strategy, preparing to scale and getting ready for technical due diligence and demo day.



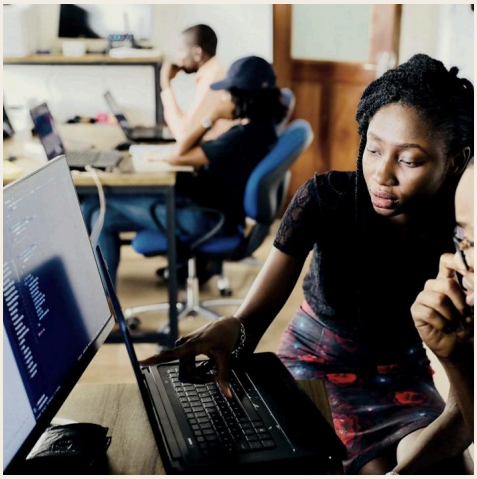
6 months of compact, practical sessions

6 focused modules, built around real work

3 projects plus a capstone presentation



Who this program is for



01

Vice-chancellors & deans

CoE, curriculum and accreditation support

02

Training & placement cells

Certification and placement readiness

03

Faculty

Faculty development programs

04

Top-tier students

Research internships, CTF academy, incubation

PREREQUISITES

- An early-stage startup idea or prototype
- At least one committed founding team member
- Basic familiarity with software products

DESIGNED FOR

- Student founders and co-founders
- Startup CTOs and tech leads
- Product managers
- Early-stage engineering teams
- Innovation cell members

What you'll be able to do.

01 Validate technical feasibility and define a focused MVP scope

02 Choose a tech stack and architecture suited to early-stage needs

03 Build products with security and privacy designed in

04 Plan product roadmaps and identify where AI adds value

05 Prepare infrastructure, team and processes for growth

06 Present technology confidently during investor due diligence

How the program works

Month 1: Idea and Technical Validation

Problem and user validation, Technical feasibility assessment, MVP scope definition, Build versus buy decisions.

Month 2: Tech Stack and Architecture

Choosing a tech stack, Cloud and hosting choices, Early-stage architecture, Development workflow and tooling.

Month 3: Secure Product by Design

Security basics for startups, Authentication and data protection, Privacy and DPDP compliance, Secure coding practices.

Month 4: Product and AI Strategy

Product roadmap planning, Where AI adds value, Data strategy, Analytics and product metrics.

01 · Month 1: Idea and Technical Validation

02 · Month 2: Tech Stack and Architecture

03 · Month 3: Secure Product by Design

04 · Month 4: Product and AI Strategy

05 · Month 5: Scaling and Operations

06 · Month 6: Due Diligence Readiness

★ Capstone · Demo Day Technical Readiness



The curriculum

MODULES 01–03

01 Month 1: Idea and Technical Validation

Practical: Define the MVP scope and feasibility notes in a mentor review session

- Problem and user validation
- Technical feasibility assessment
- MVP scope definition
- Build versus buy decisions
- Founder skill gap review

02 Month 2: Tech Stack and Architecture

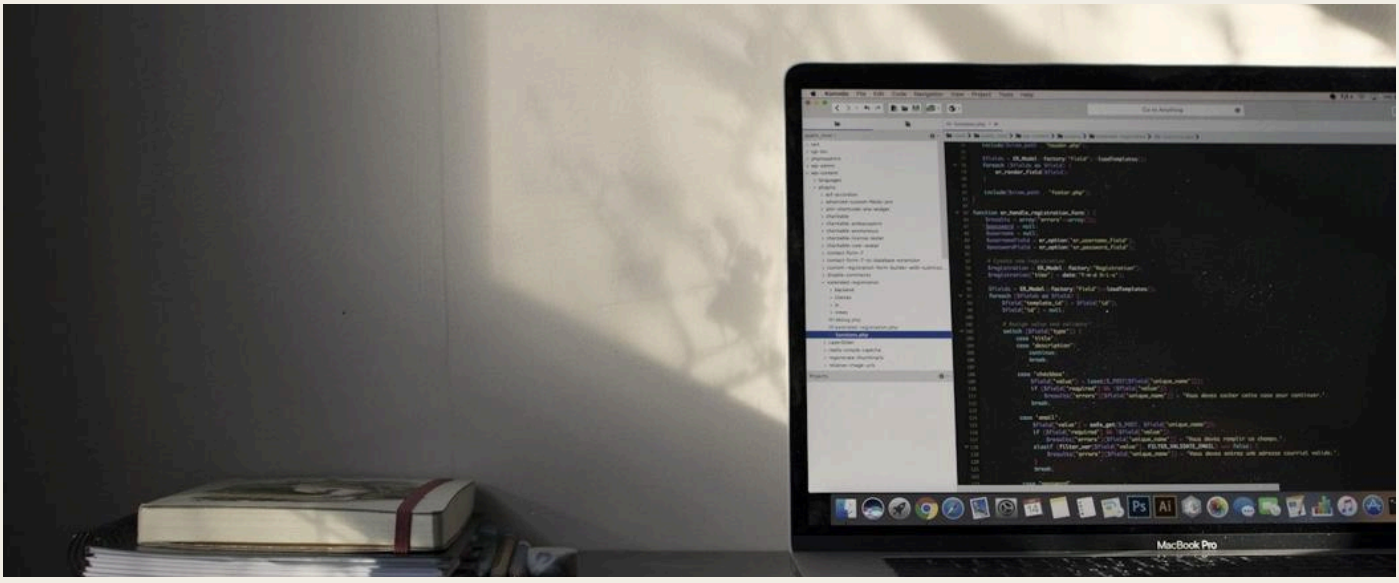
Practical: Document a tech stack decision record and architecture diagram for the MVP

- Choosing a tech stack
- Cloud and hosting choices
- Early-stage architecture
- Development workflow and tooling
- Infrastructure cost planning

03 Month 3: Secure Product by Design

Practical: Complete a security and privacy review of the MVP with mentors

- Security basics for startups
- Authentication and data protection
- Privacy and DPDP compliance
- Secure coding practices
- Incident readiness



Curriculum, continued

MODULES 04–06

04 Month 4: Product and AI Strategy

Practical: Build a six-month product roadmap with metrics and evaluated AI opportunities

- Product roadmap planning
- Where AI adds value
- Data strategy
- Analytics and product metrics
- Iterating from user feedback

05 Month 5: Scaling and Operations

Practical: Create a scaling plan covering infrastructure, monitoring and early hiring needs

- Scaling infrastructure
- Monitoring and reliability
- Building a tech team
- Technical documentation
- Vendor and tool management

06 Month 6: Due Diligence Readiness

Practical: Run a mock technical due diligence session with a mentor panel

- Technical due diligence checklist
- Code and IP hygiene
- Security and compliance evidence
- Technology pitch narrative
- Demo day preparation



What you'll focus on.

Month 1: Idea and Technical Validation 01

Month 2: Tech Stack and Architecture 02

Month 3: Secure Product by Design 03

Month 4: Product and AI Strategy 04

Month 5: Scaling and Operations 05



Projects & capstone

01

MVP Architecture Plan

Document the MVP scope, tech stack decisions, architecture diagram and cost estimates, reviewed and refined with technical mentors.

02

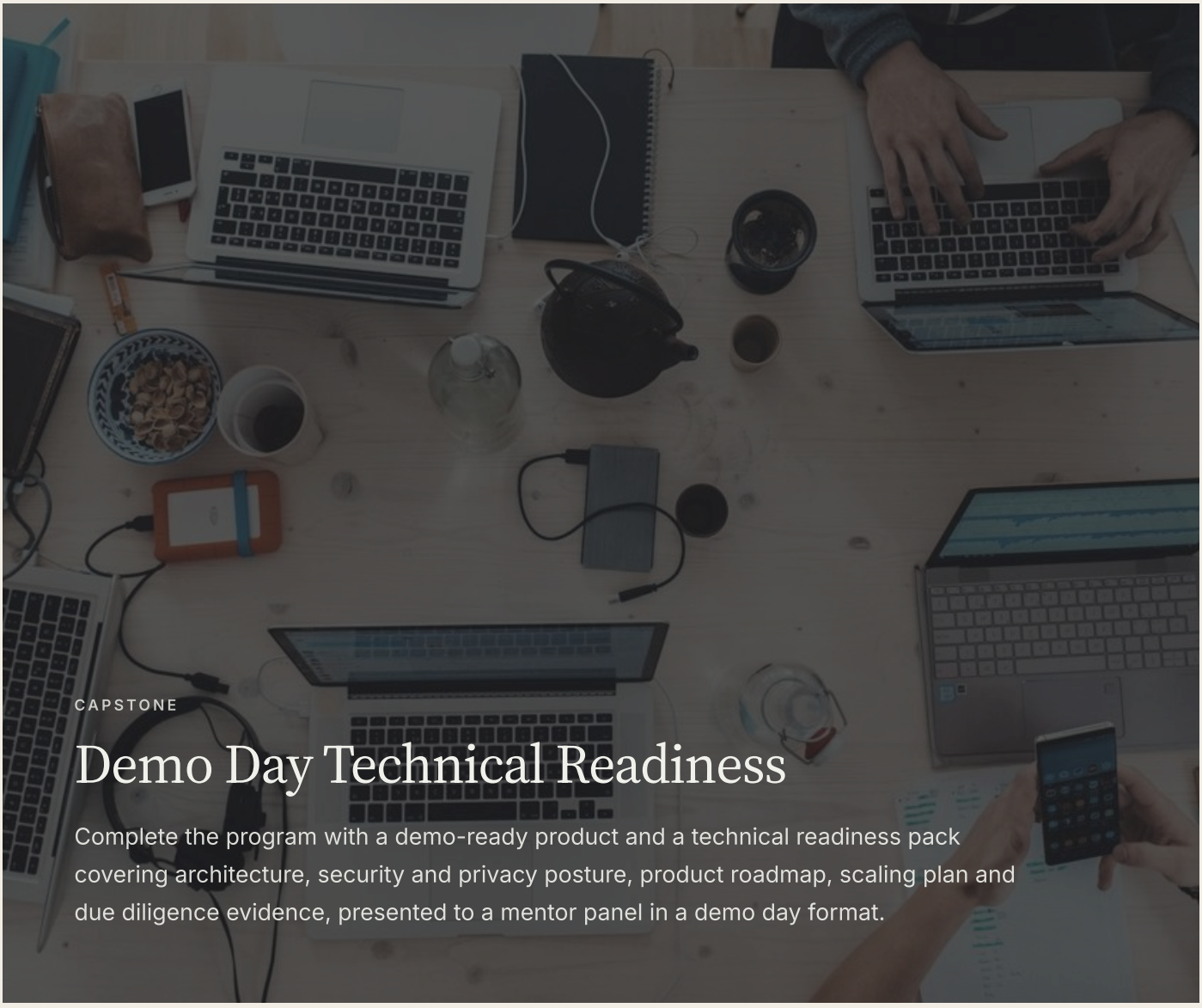
Security and Privacy Review

Review the product for authentication, data protection and privacy compliance, and implement priority fixes before launch.

03

Product and AI Roadmap

Create a product roadmap with measurable milestones, user feedback loops and a realistic assessment of where AI helps.



CAPSTONE

Demo Day Technical Readiness

Complete the program with a demo-ready product and a technical readiness pack covering architecture, security and privacy posture, product roadmap, scaling plan and due diligence evidence, presented to a mentor panel in a demo day format.

CERTIFICATION

SAM-STARTUP

Awarded on successful completion of the program assessments.

- MCQ assessments
- Practical lab evaluation
- Project & capstone review
- Final presentation

HOW YOU LEARN · THE SAM LEARNING FRAMEWORK™

01 Scenario

Real-world attack and use-case scenarios open every module.

02 Apply

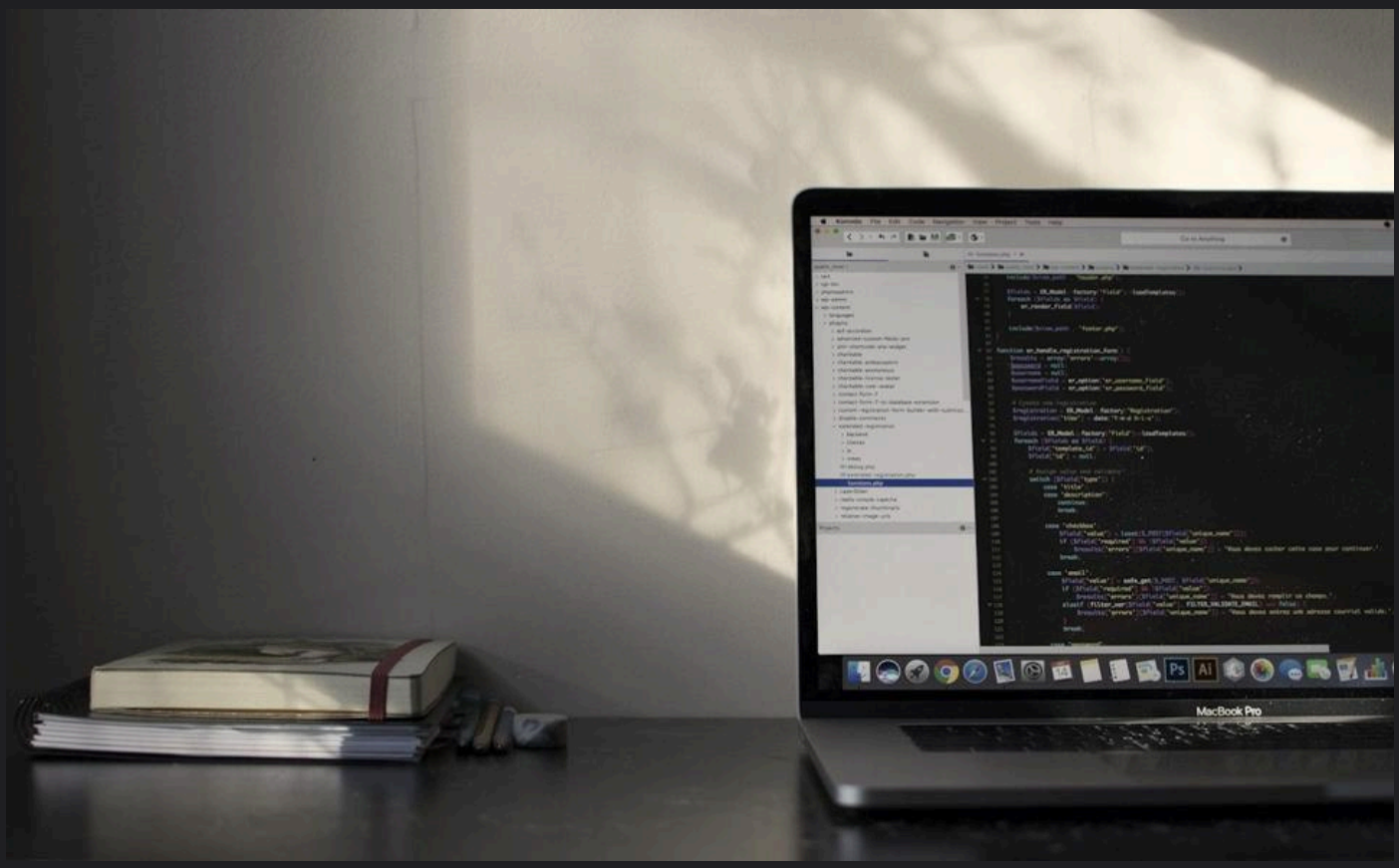
Hands-on lab work, CTF challenges and live projects.

03 Master

Assessment, peer review and certification prep.

04 Mentor

Post-program career guidance and support.



Delivery: Instructor-Led (ILT) · Virtual Instructor-Led · Self-Paced Online · E-Learning Licensing · Blended Learning · Corporate Onsite

Where this program fits

Advanced
3 programs

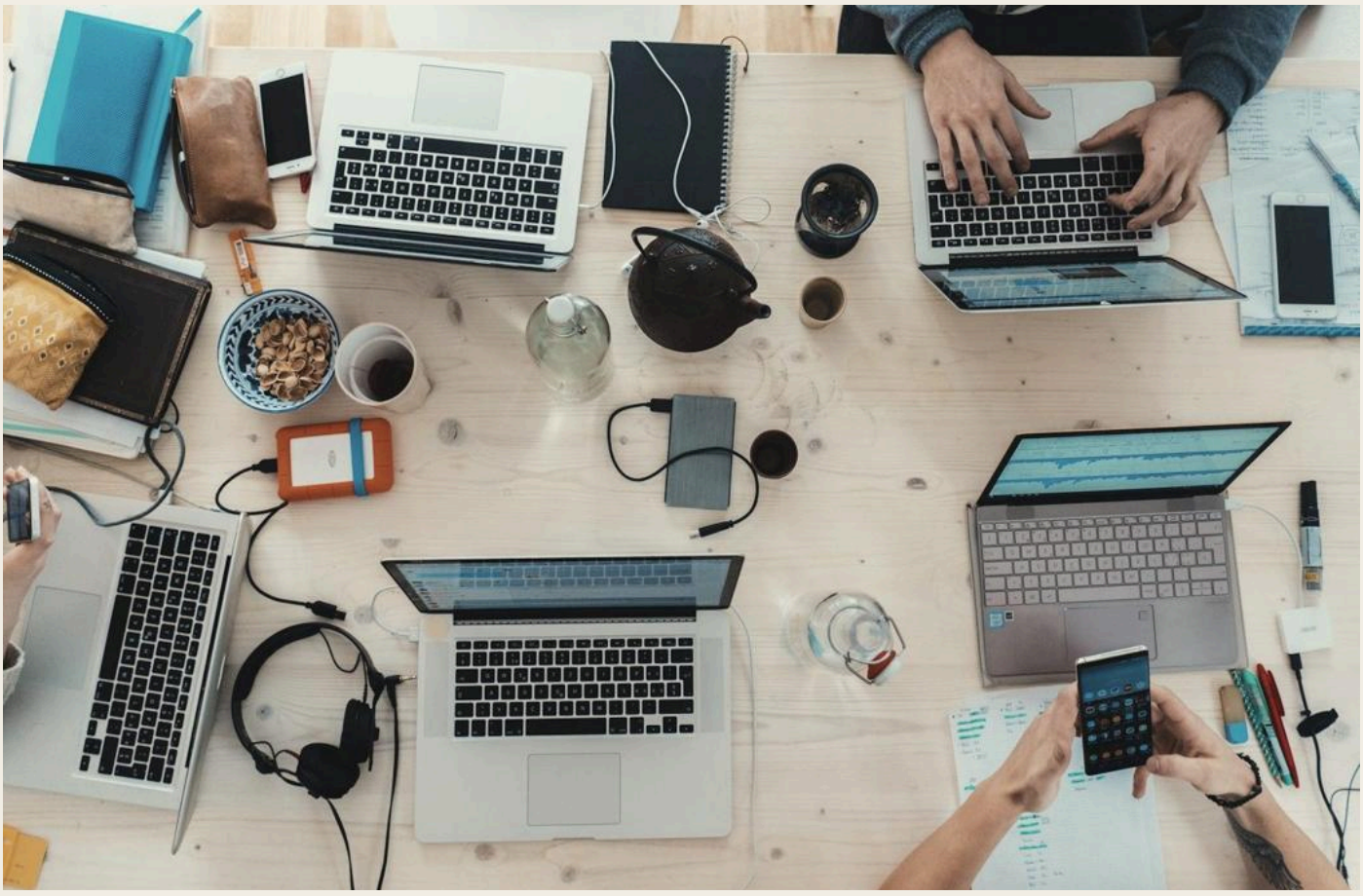
Expert
You are here

BEFORE THIS

Advanced Cybersecurity Research Internship	3 Months
AI Research & Innovation Program	3 Months
Cloud Architecture Challenge Program	6 Weeks

UP NEXT

The top of this pathway — explore related programs.



Questions, answered

Do I need prior experience to join?

Founders should have an early-stage idea or prototype and basic familiarity with software products. Deep engineering experience is not required, since mentors guide technical decisions, but teams should be ready to commit time to building and iterating.

How is the program delivered and scheduled?

The 6 months program is instructor-led and mentor-guided, delivered live virtual or in a blended format with partner institutions. It combines scheduled sessions, mentor check-ins and independent project work planned around the academic calendar.

Will I receive a certificate?

Yes. Participants who meet attendance requirements and successfully complete the assessments receive the Samcommunity Academy SAM-STARTUP certificate. Assessments may include quizzes, practical exercises and a final capstone review, depending on the program format.

What do the hands-on exercises involve?

Exercises use case studies, templates, tabletop scenarios and guided demonstrations rather than live production systems. Any required materials or sandbox access are shared before the program, and no special software installation is usually needed.

Is funding or business support included?

Founders receive mentor feedback, technical reviews and guidance on preparing for investor conversations. Samcommunity Academy may share relevant ecosystem opportunities where available, but does not guarantee funding, incubation seats, customers or business outcomes.





SAMCOMMUNITY ACADEMY

CONTACT

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