

WORKSHOP PROPOSAL

About CrypChip

CrypChip is a youth-led educational initiative committed to making technology understandable, inspiring, and accessible for young learners. Through interactive sessions on **Semiconductors, Cybersecurity, and Emerging Technologies**, we encourage students to think critically, discover purpose, and build solutions for real-world challenges.

Why This Workshop?

Technology shapes nearly every aspect of modern life, yet many students interact with it without understanding how it works or how to use it responsibly. CrypChip bridges this gap by introducing students to the fundamentals of modern technology while encouraging curiosity, innovation, and responsible digital citizenship.

Workshop Objectives

- ✓ Introduce students to the fundamentals of semiconductor technology.
- ✓ Build awareness about cybersecurity and digital safety.
- ✓ Encourage innovation, problem-solving, and critical thinking.
- ✓ Inspire students to explore STEM and technology careers.
- ✓ Promote responsible and ethical use of technology.

Workshop Details

- ✓ Target Audience- Classes VIII – XII
- ✓ Mode- Interactive (Presentation + Activities + Quiz + Q&A)
- ✓ Fee- Completely Free

Workshop Flow

Duration	Session	Topics Covered
10 Mins	Introduction & Icebreaker	Introduction to CrypChip, workshop objectives, interactive discussion on how technology influences everyday life.
25 Mins	Semiconductor Technology	What are semiconductors, silicon and chips, how chips are manufactured, applications of semiconductors, VLSI basics, future trends in semiconductor technology, career opportunities.
25 Mins	Cybersecurity Awareness	Digital footprint, password security, phishing attacks, online scams, social media safety, cyber ethics, AI risks, best practices for staying secure online.
15 Mins	Interactive Activity	Team-based challenge, real-life case study, technology quiz, problem-solving activity, discussion on innovative ideas.
10 Mins	Q&A + Quiz	Open discussion, recap quiz, career guidance, student questions.
5 Mins	Feedback & Certificates	Feedback collection, closing remarks, distribution of participation certificates, group photograph (optional).

Technology changes the world. Purpose decides how.

Learning Outcomes

Students will:

- ✓ Understand the technology powering everyday life.
- ✓ Learn essential cybersecurity practices.
- ✓ Develop curiosity for engineering and innovation.
- ✓ Discover future opportunities in STEM.
- ✓ Build confidence to question, create, and solve problems.

Why Partner with CrypChip?

- ✓ Student-led initiative driven by purpose.
- ✓ Interactive and age-appropriate sessions.
- ✓ Practical, engaging learning experience.
- ✓ Certificates provided for all participants.
- ✓ No financial commitment from the school.

Contact

 crypchip.contact@gmail.com

 Instagram: [@crypchip](https://www.instagram.com/crypchip)

 LinkedIn: www.linkedin.com/in/crypchip-initiative-5947b7421

