

# Building a Skilled Cybersecurity Workforce at KOSEN (College of Technology)

Japan

## KOSEN and NEC team up to deliver high-quality cybersecurity education



### The Challenge

The digital landscape is booming, but with it comes the ever-evolving threat of cyberattacks.

Companies need skilled professionals to navigate this complex landscape, but finding cybersecurity talent with the right blend of practical knowledge and advanced skills is a growing challenge.

There is a need to develop not only security talents/engineers but also professionals who can incorporate security into the use of digital technology.



### The Solution

The KOSEN, College of Technology (KOSEN) and NEC have forged a groundbreaking partnership to tackle this challenge head-on.

KOSEN, known for its 60-year legacy of producing top-notch engineers through its 51 national colleges, leverages NEC's expertise in the cybersecurity field to deliver relevant industry-academia training which includes:

1. **Sharing the latest trends** through information exchange between faculty members and NEC's expert engineers.
2. **Providing a cybersecurity training environment** used by the NEC group's professionals for students to learn practical skills.
3. **Providing educational materials** for systematic security knowledge.
4. **Connecting KOSEN security communities** across the country through community activities to promote cybersecurity education.



### The Benefits

- ❖ **Empowering the next generation:** Equips students with the real-world skills companies crave, making them stand out in the job market.
- ❖ **Building a resilient ecosystem:** Continuous and relevant knowledge exchange fosters a robust cybersecurity ecosystem for both academia and industry.
- ❖ **Democratizing security knowledge:** All students, regardless of specialization, are equipped with fundamental security awareness, making digital technology safer for everyone.
- ❖ **Sparking regional synergy:** Fostering local talent development in regional security communities and creating a network of skilled professionals across the country.

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*As cyber threats get more complex, it's really important to educate people to learn advanced cybersecurity skills, not just in schools but also with the help of companies. NEC is a great partner for this, and together we're making progress with practical education.*

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**Isao Taniguchi, President of KOSEN**

Learn more about NEC at [nec.com](https://nec.com)

**A drive towards greater sustainability by NEC**

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#### Practical training for the real world

By developing real-world mindsets early on, graduates will be better equipped to tackle novel challenges when they start their first jobs.

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#### Active participation in security communities

In addition to the above activities, NEC is joining NIT in promoting human resource development for cybersecurity at regional security community events.