Studying tech – still a man’s world. How can we change this?

Research report
August 2022
What did we survey and why?

Background

Technology is everywhere and plays a critical role in solving the biggest challenges of humankind. The need for tech talent in Finland is huge. According to a survey by Technology Industries of Finland, the industry needs 130 000 new tech talents during the next 10 years. However, only a few women choose to study technology. Why is this and what can we do about it?

Mimmit koodaa, Tekniikan akateemiset TEK, Women in Tech Finland and Accenture set out to find answers to these questions by conducting a joint survey during April and May 2022.

Objectives

The objective of the survey was to understand:
- What motivates women to study technology
- How inclusive is the culture at their school
- How do tech women view their future careers

Target group

The target group of the survey was women who study technology (with a focus on IT-related subjects) in Finland, including those who are changing careers. The sample was sourced by promoting the survey in the partners’ social media channels and newsletters as well as through the information channels of technology schools and student organizations in Finland. The sample was complemented by a panel sample from Norstat. The total amount of respondents was 672.

*Teknologiateollisuus, Osaajatarveselvitys, 2021*
What motivates women to study tech?

I'm just interested in tech. This is what I want.

How do female students experience their studies?

What do I belong here?

Do I belong here?

37%

How do female students see their future in tech?

70% of female tech students see a leadership position as an option.
Motivated people – how to harness that?

More encouragement needed from the society to motivate women to study tech

- Women choose to study tech because of their own interests and skills. They also expect to get a good salary and believe there are plenty of job opportunities. According to the respondents, **promoting equal work opportunities & salaries as well as highlighting the diverse skills and talents needed in the industry** would get more females to study technology.

- Women are mainly encouraged to study tech by their family and friends. Only under 10% received encouragement from their student counsellors and teachers. **35% received no encouragement whatsoever.**

- As the main sources of encouragement are family and friends that probably are aware of opportunities within the tech field, it is **important to activate teachers and student counsellors to take on a stronger role in recommending tech studies** to females to avoid further segregation.

There is still some work to do to create an inclusive tech study culture with zero tolerance for discrimination

- Women are generally enthusiastic about their studies and most intend to complete them. But **only around 40% think that their school has succeeded in creating a culture where nobody feels left out.**

- While few female tech students experience serious issues within their student organizations, one fifth still report that discriminating material is found at student events and **only 60% say that the student organizations have zero tolerance towards discrimination.**

Women believe in themselves but they still see that the tech field favours men and pays them better

- Female tech students are ambitious and **70% of the respondents see that a leadership position is an option for them.** However, around **75% also see that the tech field somewhat favours men,** men can easier progress into tech leadership roles and get paid better for the same job.

- Many respondents have strong faith in themselves and **nearly 60% believe they will be successful in their tech careers** while about **only 30% think that women in general are likely to succeed in tech roles.**
WHAT MOTIVATES

Women TO STUDY TECH?

Good employment opportunities

Well... I'M JUST INTERESTED IN TECH. THIS IS WHAT I'M GOOD AT.

35% NOBODY

7% NOT THEM.

Role model rose

Edelweiss of equal opportunities

Tech field needs diversity

Diversity Daisy

Equal work opportunities & salary regardless of gender

You don't need to be exceptional in maths or programming to succeed in the tech field

Who has encouraged you?

>20% Friends & family

Go for it!

Are you sure?

Teacher?

Student counselor

8%
What motivates women to study tech?

Own interests and an abundance of well-paid jobs drive women to study tech.

It’s noteworthy, that only few get encouraged by teachers and student counsellors. Most alarmingly, over a third got no encouragement at all to pursue tech studies.

Equal opportunities & salaries and the need for diverse skills (not only maths) would drive more interest to tech.

Also visible role models, early introduction and encouragement to tech studies and promotion of the versatile jobs could drum up more interest.

75% of the respondents have not studied computer science at school. But those who have, feel skilled at it as well as in maths.

Many report that computer science / programming wasn’t available at their school and therefore not an option for them.

"Most alarmingly, over a third got no encouragement at all to pursue tech studies."
Own interests and an abundance of well-paid jobs drive women to study tech

Why did you choose to study technology?

- I was interested in a specific topic in technology: 63%
- Salaries in the technology industry are good: 59%
- My strengths fit the technology field: 57%
- I want a stable job and the employment prospects are good in technology: 56%
- The technology field will open good opportunities to advance my career: 55%
- The technology field seemed appealing to me and there are many interesting job opportunities: 54%
- Technology studies enable me to do meaningful work in my career: 36%
- Companies in this field are progressive and interesting: 32%
- I want to break social norms and prove to myself or others that a woman can thrive in the field: 31%
- My friend / acquaintance / relative recommended the field: 21%
- Coding, computers, or ICT was my hobby: 17%
- I became inspired to study technology while I was studying something else: 16%
- I was recommended to study technology: 16%
- I had no specific reason: 10%
- Interesting or influential role models work in technology: 9%
- Other, what?: 11%
- None of these: 1%

(n = 672)
Only few get encouraged by teachers and student counsellors, over a third get no encouragement at all

Who encouraged you to study technology?

- Friend/family friend: 23%
- Parent/guardian: 23%
- My partner/spouse: 21%
- My sibling: 10%
- Teacher: 8%
- Other relative: 7%
- Student counsellor: 7%
- Colleague: 7%
- A celebrity who promotes coding or computer science: 6%
- Mentor: 1%
- Other, who?: 4%
- No one: 35%

(n = 672)
Equal opportunities & salaries and the need for diverse skills (not only maths) would drive more interest to tech

What do you think are relevant points to get women interested in studying tech?

- Equal work opportunities regardless of gender: 75%
- Equal salaries: 71%
- Highlighting that the technology field needs diverse talents to serve people broadly & equally: 70%
- Highlighting that succeeding in tech does not require being exceptional in maths or programming: 67%
- Highlighting the variety of work opportunities and roles in the technology field: 66%
- Visible role models that are the same gender as me: 60%
- Diversity in gender, age and minority groups in company management roles: 57%
- Companies showing a stronger commitment to creating inclusive and equal work cultures: 50%
- Companies showing a stronger commitment to work-life balance: 46%
- Highlighting the meaningfulness of working in technology: 38%
- Companies showing a stronger commitment to diversity in their workforce: 37%
- Better accessibility to mentoring: 35%
- Other, what?: 4%
- Can't say: 2%

(n = 672)
Also visible role models, early intro & encouragement to tech and versatile jobs could drive more interest

<table>
<thead>
<tr>
<th>Suggestion</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Visible role models / teachers in tech</td>
<td>22%</td>
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<tr>
<td>Introduction to the field in primary / secondary school</td>
<td>15%</td>
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<tr>
<td>Versatile job opportunities (eg. Creative positions)</td>
<td>10%</td>
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<td>Encouragement towards technical subjects</td>
<td>9%</td>
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<tr>
<td>Visibility / industry information at an understandable level</td>
<td>8%</td>
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<tr>
<td>Study opportunities / easy access to study / no need to know everything in advance</td>
<td>7%</td>
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<tr>
<td>Emphasizing that different kind of skills are needed / no need to be good at math or coding</td>
<td>7%</td>
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<tr>
<td>Inclusivity of companies / schools</td>
<td>7%</td>
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<tr>
<td>Overcoming prejudices / breaking stereotypes</td>
<td>6%</td>
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<td>Emphasizing that the technology industry is not just for men</td>
<td>5%</td>
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<tr>
<td>Change in society and upbringing (eg. girls can't do math)</td>
<td>5%</td>
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<tr>
<td>Community / peer support / events</td>
<td>5%</td>
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<tr>
<td>Change in attitudes / more open atmosphere</td>
<td>4%</td>
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<tr>
<td>Equal employment opportunities / equality at work</td>
<td>4%</td>
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<tr>
<td>Emphasizing good salary and employment prospects</td>
<td>2%</td>
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<tr>
<td>Emphasizing the importance of the technology field</td>
<td>1%</td>
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<tr>
<td>Mentors and teachers</td>
<td>1%</td>
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<tr>
<td>Career stories and clear career paths</td>
<td>1%</td>
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<tr>
<td>Emphasizing that technology is not that hard</td>
<td>1%</td>
</tr>
<tr>
<td>Other</td>
<td>6%</td>
</tr>
<tr>
<td>Cannot say</td>
<td>8%</td>
</tr>
</tbody>
</table>

(n = 651)

What would encourage women to apply to study technology? OPEN SUGGESTIONS FROM RESPONDENTS
75% of the respondents have not studied computer science at school, but those who have, feel skilled at it as well as in maths.

Did you study computer science or programming in comprehensive school/upper secondary school?

- Yes: 25%
- No: 75%

(\(n = 672\))

How skilled were you in…?

- Mathematics in comprehensive school/upper secondary school (\(n = 672\)):
  - Very skilled: 69%
  - Good: 34%
  - Average: 21%
  - Poor: 8%

- Computer science and/or programming (\(n = 165\)):
  - Very skilled: 33%
  - Good: 41%
  - Average: 20%
  - Poor: 6%
Many report that computer science / programming wasn’t available at school and therefore not an option for them

Why didn’t you study computer science and/or programming in comprehensive school or upper secondary school?

- It was not available: 78%
- Other subjects were more interesting: 25%
- I believed that computer science and/or programming is too difficult for me: 16%
- I was not encouraged to pick it at home: 12%
- Computer science and/or programming studies were not popular: 11%
- My friends did not pick this subject: 9%
- I was not good enough in mathematics: 7%
- I was worried that I would be the only one of my gender / in the gender minority in these classes: 6%
- I felt that the teachers that taught computer science and/or programming were not competent: 2%

(n = 507)
75% feel enthusiastic & 89% are likely to complete their studies.

85% say they feel good.

85% feel included.

I'm treated fairly.

How do female students experience their studies in the tech field?

Inclusive student culture.

Only 37% think that there is a culture where nobody feels left out.

Only 60% think that there is zero tolerance for harassment.

Oh, and that, too.
How do female students experience their studies in the tech field?

Most women, around 75%, are enthusiastic about their studies.

Nine out of ten think they will complete their studies. The most likely reason to quit is the feeling of not belonging and that the studies are too demanding.

One third of the respondents have experienced lack of diversity in courses, and one in five feels less talented than men.

Half of the respondents think their school has a plan for advancing diversity but only 5% know what it includes.

88% agree that having women as professors is very important.

Almost one in five have experienced discriminating or sexualizing material at student events.

Most women are treated fairly but only 37% think that their school has a culture where nobody feels left out.

Most respondents feel welcome in student associations, but only 60% say that harassment is not tolerated.

"Most women are treated fairly but only 37% think that their school has a culture where nobody feels left out."
Most women are enthusiastic about their studies

Are you enthusiastic about your studies?

Total, n=672

- Always: 16%
- Most of the time: 59%
- Sometimes: 20%
- Rarely: 4%
- Never: 0%
Nine out of ten think they will complete their studies

How likely are you to finish your studies?

- 89% Very likely
- 73% Likely
- 16% Slightly likely
- 7% Neutral
- 2% Slightly unlikely
- 1% Very unlikely
The most likely reason to quit is the feeling of not belonging and that the studies are too demanding.

Which would be the most likely reasons to quit your studies? Pick all that are relevant to you.

- I feel like I do not belong: 40%
- The studies are too demanding: 39%
- The contents of the studies are not what I expected: 31%
- I do not like the culture at my school: 28%
- My interests have changed: 26%
- The studies are boring: 25%
- Bad quality of teaching: 25%
- I do not feel like I have the possibility to get an interesting job in the technology field: 22%
- I have doubts about working in the technology field: 19%
- I don't want to be a trailblazer: 18%
- I feel like my thoughts and opinions are not heard: 14%
- I do not like my teachers/professors: 10%
- I have experiences of sexual harassment or discrimination at my school: 10%
- I do not have any fellow female students: 8%
- I don't get along with my fellow students: 7%
- The work opportunities are not good: 1%
- Other reason, what?: 35%
One third of the respondents experience lack of diversity in courses, and one in five feels less talented than men.

How often have you experienced the following during your studies?

- Lack of diversity in courses: 27% Constantly + Often
- I view myself as less talented than students that are of another gender: 18% Constantly + Often
- I feel like I am bothering my professors or teachers with my questions: 17% Constantly + Often
- The feeling that my studies are not for "people like me": 13% Constantly
- Students of another gender get more attention from other students in group assignments: 12% Constantly + Often
- I am viewed as less talented than students that are of another gender: 10% Constantly + Often
- I feel like my opinions and questions are not heard: 10% Constantly + Often
- Students of the other gender get more attention from teachers/professors: 8% Constantly + Often
- Students of another gender get better grades with less work: 6% Constantly + Often
- Inappropriate comments: 5% Never

(n = 672)
Half of the respondents think their school has a plan for advancing diversity but only 5% know what it includes. 

Does your educational institution have a plan for advancing diversity and inclusivity?

- 49% Yes, and I know what the plan includes
- 43% Yes, but I can't recall/don't know what the plan includes
- 17% No, I don't recall that there is a plan
- 35% Can't say
- 27% Never
- 18% Can't say

How important is it that your school is committed to advancing diversity and equality?

- 80% Very important
- 52% 4
- 28% 3
- 11% 2
- 2% 1 Not at all important
- 6% Can't say

Total, n=672
Having women as professors is viewed as very important

How important is it that there are also women among the professors and other teachers?

- 88%: Very important
- 70%: Somewhat important
- 18%: Not very important
- 6%: Not at all important
- 2%: Don't know

Total, n=672
Almost one in five have experienced discriminating or sexualizing material at student events

How often have you experienced the following in student associations or in events organized by them during your studies?

- Discriminating or sexualizing material is presented at student events
- Inappropriate comments
- Discriminating student culture is ignored
- Discriminating or sexualizing activities are a part of student events
- The student culture discriminates against women
- Student associations organize or maintain activity that is solely aimed at men

(n = 416)
Most women are treated fairly but only 37% think that their school has a culture where nobody feels left out

How well do the following fit your experiences in your school?

- I feel like I am treated and evaluated fairly
  - 5: 52%  4: 33%  3: 9%  2: 3%  1: 3%  Can't say: 85%
- Good grades are given to those who really deserve them regardless of background, sexual orientation or gender
  - 5: 58%  4: 24%  3: 5%  2: 2%  1: 1%  Can't say: 82%
- I can freely be myself
  - 5: 42%  4: 37%  3: 12%  2: 4%  1: 4%  Can't say: 79%
- I can freely express myself
  - 5: 40%  4: 38%  3: 10%  2: 4%  1: 8%  Can't say: 78%
- I feel like I can report inappropriate behavior
  - 5: 42%  4: 28%  3: 11%  2: 5%  1: 2%  Can't say: 70%
- Sexual harassment or inappropriate comments are not tolerated
  - 5: 37%  4: 29%  3: 9%  2: 3%  1: 2%  Can't say: 66%
- I feel like I am respected and treated equally
  - 5: 29%  4: 35%  3: 22%  2: 8%  1: 6%  Can't say: 63%
- I am encouraged to be creative and innovative
  - 5: 22%  4: 33%  3: 25%  2: 9%  1: 7%  Can't say: 55%
- The culture of the school makes it possible for me to succeed and be at my best in my studies
  - 5: 18%  4: 36%  3: 25%  2: 12%  1: 5%  Can't say: 54%
- I feel like I belong
  - 5: 18%  4: 36%  3: 25%  2: 12%  1: 5%  Can't say: 54%
- My school has created a culture where no-one feels left out
  - 5: 13%  4: 24%  3: 24%  2: 12%  1: 5%  Can't say: 37%

(n = 672)
Most respondents feel welcome in student associations, but only 60% say that harassment is not tolerated.

How well do the following things fit your experience of student associations?

- I feel welcome in student associations: 34% very well, 34% well, 15% fairly well, 6% not so well, 3% badly, 9% can’t say.
- I feel like I can report inappropriate behavior: 40% very well, 27% well, 10% fairly well, 4% not so well, 3% badly, 17% can’t say.
- Sexual harassment or inappropriate comments are not tolerated: 33% very well, 27% well, 11% fairly well, 7% not so well, 2% badly, 20% can’t say.
- Student associations have created a culture where no one feels left out: 13% very well, 26% well, 24% fairly well, 14% not so well, 5% badly, 19% can’t say.

(n = 416)
78% of female tech students plan a career in tech field. It's tougher for women out there, but I'll make it! Even though the field favors men, having some doubts.

76% feels that tech field somewhat favors men.

How do female tech students see their future? Leader position is an option for 70% career paths.
How do female tech students view their future?

A large majority of women, 76%, studying technology feel that the tech field somewhat favors men.

Less than half of the respondents feel that they have received good guidance to start their careers.

Only around 40% of the respondents have worked in a technology role during their studies.

Most women – 78% - plan to work in a tech role in the future. However, respondents think they are personally more likely to succeed than women in general.

75% think the tech field suffers from real gender inequality when it comes to salaries. A clear majority of women think that it is easier for men to progress to leadership positions in the tech field.

Women want a good work culture, a meaningful job and opportunities for advancement in their career path. They don’t want to compromise and want a good work-life balance and salary along with diverse tasks.

“Women think the tech field suffers from real gender inequality when it comes to salaries. A clear majority of women think that it is easier for men to progress to leadership positions in the tech field.”
A large majority of women studying technology feel that the tech field somewhat favors men

How does the technology field treat women in your opinion?

- The field favors men: 3%
- The field somewhat favors men: 28%
- Gender does not matter in the field of technology: 48%
- The field somewhat favors women: 21%
- The field favors women: 3%

Total, n=672
Less than half of the respondents feel that they have received good guidance to start their careers.

How well has your school introduced you to various career paths during your studies?

- 44% of respondents felt they were introduced very actively.
- 34% felt they were introduced actively.
- 15% felt they received a medium level of introduction.
- 8% felt they received a little introduction.
- 10% felt they received very little or no introduction.

How well have you been introduced to different companies and positions in the technology field?

- 33% of respondents felt they were introduced very well.
- 24% felt they were introduced well.
- 34% felt they were introduced appropriately.
- 17% felt they were introduced poorly.
- 12% felt they were introduced not at all.
- 4% felt they were introduced very poorly or not at all.
Only around 40% of the respondents have worked in a technology role during their studies

Have you worked full time, part time or had a summer job in a technology role during your studies?

- Yes: 41%
- No: 57%
- Can't say: 2%

(n = 672)
Most women plan to work in a tech role in the future

How likely will you work in a technology role after graduating?

- 56% Very likely
- 22% Somewhat likely
- 11% Not at all likely
- 4% Can't say

Total, n=672
Most respondents see leadership positions as an option for them in the future

Do you think a leadership position is an option for you in the future?

- Yes, definitely: 69%
- Yes, possibly: 23%
- No: 20%
- Can't say: 10%

Total, n=672
However, respondents think they are personally more likely to succeed than women in general.

Generally, how easy or difficult is it to succeed in a technology role as a woman?

- 3% Very easy
- 24% Somewhat easy
- 45% Neutral
- 14% Somewhat difficult
- 3% Very difficult
- 12% Can't say

Total, n=672

How likely will you succeed in a technology role?

- 58% I strongly believe I will be successful
- 23% Somewhat likely
- 36% Neutral
- 27% Somewhat unlikely
- 7% Very unlikely
- 4% Can't say

Total, n=672
Women think the tech field suffers from real gender inequality when it comes to salaries

Do you think men and women have equal salaries in technology roles?

- Yes: 14%
- No, men are paid a somewhat more: 56%
- No, women are paid a somewhat more: 19%
- No, men are paid significantly more: 11%
- Can't say: 75%

Total, n=672
A clear majority of women think that it is easier for men to progress to leadership positions in the tech field.

Do you think men and women have equal opportunities in progressing to leadership positions in technology roles?

- **Total, n=672**
  - Yes: 15%
  - No, progressing is easier for men: 74%
  - No, progressing is easier for women: 1%
  - Can't say: 11%
Women hope for a good work culture, a meaningful job and opportunities for advancement in their career path

What are your hopes and wishes for your own career path? OPEN INPUT FROM RESPONDENTS

Equal / good / diverse work culture: 20%
Interesting / meaningful job: 18%
To get a job: 16%
Opportunities for career advancement: 14%
Self-development / learn new skills: 14%
Good / equal salary: 14%
Meaningful job / have an impact: 10%
Remote / flexible working: 6%
Utilizing my own skills / strengths: 5%
Good work-life balance: 5%
Versatile job and career opportunities: 5%
Management positions / get responsibilities: 5%
Receive appreciation: 5%
Be an expert: 4%
Nice work community: 3%
Steady job: 2%
Well-being at work: 1%
Feel like I belong: 1%
Mentoring / being a role model: 1%
Other: 6%
Cannot say: 6%
Women don’t want to compromise and want a good work-life balance and salary along with diverse tasks

What are your own wishes for your career?

<table>
<thead>
<tr>
<th>Wishes</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Work-life balance</td>
<td>89%</td>
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<tr>
<td>Good salary</td>
<td>88%</td>
</tr>
<tr>
<td>Interesting and diverse tasks</td>
<td>87%</td>
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<tr>
<td>Possibilities to do meaningful work</td>
<td>73%</td>
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<tr>
<td>Independent work and decision making</td>
<td>64%</td>
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<tr>
<td>Good opportunities for career advancement</td>
<td>60%</td>
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<tr>
<td>Possibility to do what I love</td>
<td>57%</td>
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<tr>
<td>Opportunities to influence</td>
<td>55%</td>
</tr>
<tr>
<td>Possibility to leave your own mark</td>
<td>43%</td>
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<tr>
<td>Opportunities for an international career</td>
<td>38%</td>
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<tr>
<td>None of these</td>
<td>1%</td>
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(n = 672)
What can we do to make change happen?

- Career paths & versatile tech roles
- Make women aware of the possibilities of tech early!
- Teachers & student counsellors
- Role models showing that tech is not only for "math nerds"
- I belong here!
- Ensure that the study culture is inclusive!
- No harassment!
- Inclusion & diversity plan
- Ensure work-life balance, equality & meaningfulness
- Bust inequality myths in the tech field!
What can we do to make change happen?

Make women aware of the great possibilities in tech early on

• Activate teachers & student counsellors to recommend studies in tech
• Share the many possibilities of a tech career early on in schools
• Make female tech role models visible and share their success stories

Ensure the study culture is inclusive

• Make everyone feel that they belong – both at schools and in student organizations
• Get rid of the last discriminating elements of tech student culture and ensure zero tolerance towards harassment and inappropriate comments
• Make the contents of inclusion and diversity plans known among students

Drive work-life equality and bust inequality myths

• Introduce various tech career opportunities to students
• Get rid of structural problems like unequal salaries and opportunities for leadership positions
• Communicate I&D targets and achievements and showcase female role models
Words of Encouragement from the Respondents

There are many types of tech roles in the tech field that match different interests & skills.

Math is not needed for everything. Logical thinking & the ability to structure things will take you far.

Be bold, get into the tech field and get rid of impostor syndrome.

Learning to code is like finding magic skills. It opens up a world of possibilities which will impact your life.

Technology is... versatile!

Be brave & do what you want!

Technology is... empowering!

Don't miss out on it!

Greatest teacher, failure is!
The study was conducted as a quantitative survey by the research company Kuulas Helsinki during weeks 15-18 in 2022. The survey link was distributed via Finnish educational institutions as well as through Women in Tech Finland’s, Mimmit Koodaa’s, Tekniikan Akateemiset’s and Accenture Finland’s networks. The study was complemented with a Norstat Finland panel sample.

The target group of the study consisted of women currently studying technology, N=672.
**Respondent background, 1/5**

**Age**
- 18-24: 34%
- 25-29: 19%
- 30-34: 17%
- Over 45 yo: 5%

*(n = 669)*

**Region**
- Western Finland: 55%
- Helsinki-Uusimaa region: 13%
- Southern Finland: 7%
- Northern and Eastern Finland: 5%
- Not qualify: 6%

*(n = 672)*

**Education level**
- University of applied sciences: 34%
- University: 58%
- Other vocational education: 6%
- Vocational training which does not lead to a degree in the field: 3%

*(n = 672)*
During your free time, do you spend time programming?

- Yes: 70%
- No: 26%
- Can't say: 4%

(n = 672)

During your free time, do you spend time gaming?

- Yes: 54%
- No: 44%
- Can't say: 1%

(n = 672)
Which field of technology are you studying right now as your major?

- Data Science: 36%
- Information Technology: 9%
- ICT: 6%
- Programming: 5%
- Bio Information Technology: 3%
- Information Technology: 2%
- Software Technology: 2%
- Cybersecurity: 2%
- Automation: 2%
- Information Networks: 1%
- Systems Technology: 1%
- Geo Information: 1%
- Telecommunications /…: 0%
- Other IT-related degree: 10%
- None of the above: 21%

Which field or fields of technology are you studying right now as your minor?

- Data Science: 12%
- Information Technology: 9%
- Programming: 8%
- Software Technology: 8%
- Cybersecurity: 8%
- Information Technology: 7%
- ICT: 5%
- Information Networks: 4%
- Bio Information Technology: 4%
- Telecommunications /…: 4%
- Systems Technology: 3%
- Automation: 3%
- Geo Information: 2%
- Other IT-related degree: 8%
- None of the above: 56%

Have you previously majored or minored in some other fields than technology?

- Yes: 44%
- No: 56%

What is your level of education prior to your current studies?

- Higher education/university: 23%
- A degree from a university: 19%
- College / vocational skills…: 50%
- Upper secondary school: 16%
- Vocational school: 5%
- Comprehensive school or…: 1%
Are you/have you been part of a student association organizing activities for other students, while studying technology?

- Yes, I am currently in a student association: 73%
- Yes, but I am no longer part of any student association: 14%
- No: 12%
- There are no student associations at my educational institute: 1%

(n = 672)

Do you take part in events or activities organized by student associations at least occasionally?

- Yes: 62%
- No: 36%
- There are no student associations at my educational institute: 2%