

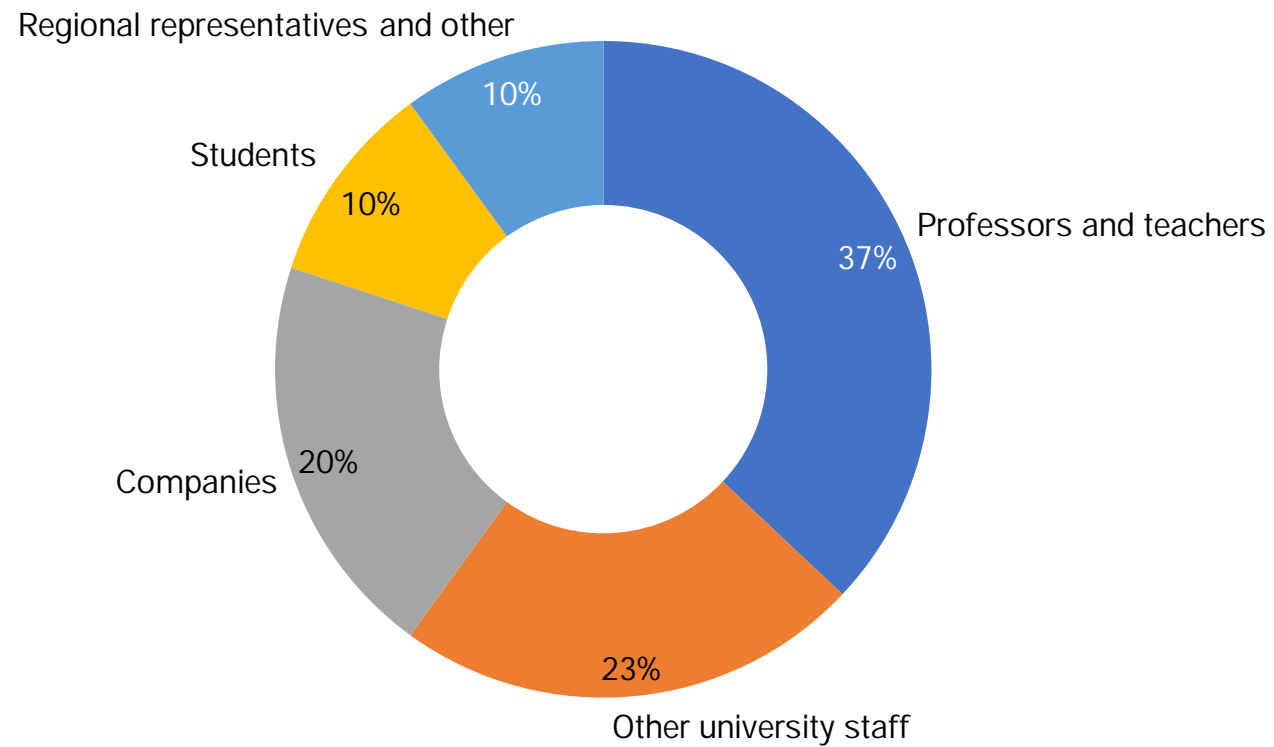
FITECH FORUM

May 21st 2018, Turku

Heikki Koponen

Project Director

WITH US HERE TODAY



THE END GAME:

TO BUILD A **WORLD-CLASS NETWORK UNIVERSITY** RIGHT HERE – A
TIGHT-KNIT COOPERATION MODEL OF UNIVERSITIES AND INDUSTRY



WHY?

Because reforming the way we do higher education is important for the future of **Finland**

Because we want to **define** the path of higher education, not just tread it

Because resources are scarce and **cooperation** is king



WHERE DID WE LEAVE OFF LAST TIME?

FITech Forum 1/2018 key take-aways 25.1.2018

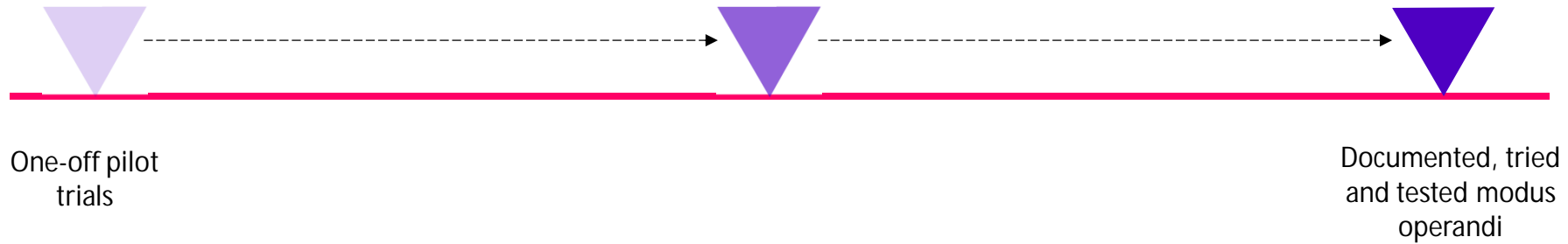
Based on yesterday's discussions, one way to break down the FITech way is as follows.

What is the FITech way...

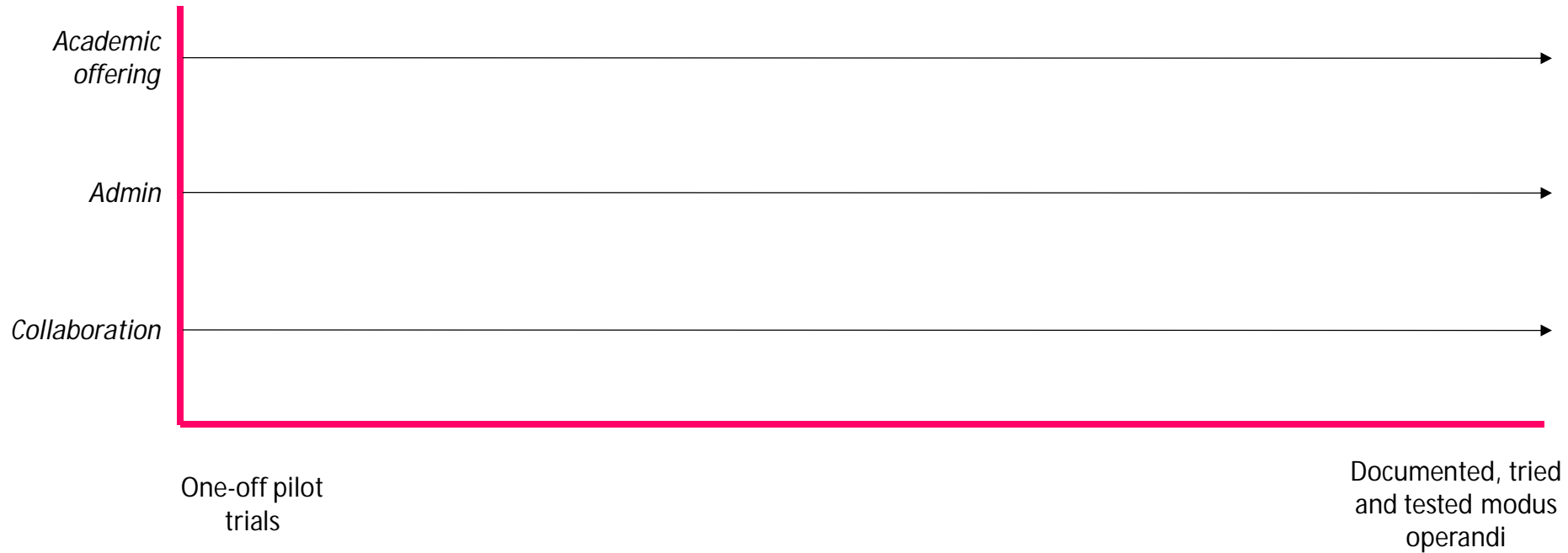
1. **...of learning?** What are the uniting elements in all FITech education? How do we approach program and course design together? How to we keep boldly making new educational ventures and initiatives to develop a state-of-the-art offering? How do we utilize virtual learning technologies? What common infrastructure do we use, how do we share best practices?
2. **...of university-industry cooperation?** How do we make industry an integral part of all things FITech? How do we help industry and students reach out to each other? What processes and practices do we have in place that help us all understand others' needs and viewpoints?
3. **...of community-building?** How do we make sure students feel they are part of one FITech community? How do we forge networks between students, faculty, companies, alumni and other stakeholders? How do we identify and mobilize different resources to be found within the community?
4. **...of communicating and looking at the world?** How do we describe what we are all about to ourselves and others? How do we communicate why we are so excited about what we're doing here? Why should students be interested in FITech? What do we see as our mission in society? How do we contribute to a better tomorrow?
5. **...of student-centeredness?** How to we design all of our efforts, processes and practices with students foremost in mind? How should student-centeredness be manifest in the design of our education and organization? How do we make sure the right university and student union services are operational at the right time and in the right place? How do we ensure that information flows seamlessly between partner organizations?










PROGRESSING THROUGH PILOTING



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DONE THIS SPRING: FRONT OFFICE

- LUT MSc programs run successfully – praise from students and companies 
- Successful **student selections** for most MSc programs starting next Fall 
- **Individual courses** run, e.g. project management course with attendees from 16 companies in addition to ca. 100 degree students 
- **Summer school** with over 20 participants from most FITech Universities 
- **MSc theses** completed and started from partner universities 
- Learning to better understand **industry needs and hopes** 
- Learning to better understand **regional needs and hopes** 

DONE THIS SPRING: BACK OFFICE

- Building study **administrative processes and practices** – short-term and long-term solutions
- Setup of new website and other student marketing **channels**
- Compilation and communication of **academic offering 2018-2019**
- Defining core elements of **FiTech communications**
- Agreement on cooperation with all **students unions**
- Setup of channels and guidelines for **MSc thesis** promotion
- FiTech promotion in various **road show** events
- Deliberation of FiTech **reporting** structure
- **Project team** onboarding and new recruitments
- Setup of process for identifying needs in industry and **planning academic offering 2019-2020** accordingly









AUTOMATION ENGINEERING

Tampere University of Technology is offering minor studies in automation engineering. The minor offers basic knowledge on

- > Control systems
- > Automation systems and
- > Robotics

Control system studies build the theoretical knowledge of control systems that are base for all automation systems. The automation system studies concentrate on the realization of automation systems in different application fields. The robotics studies give basic knowledge on robotics and their technology.

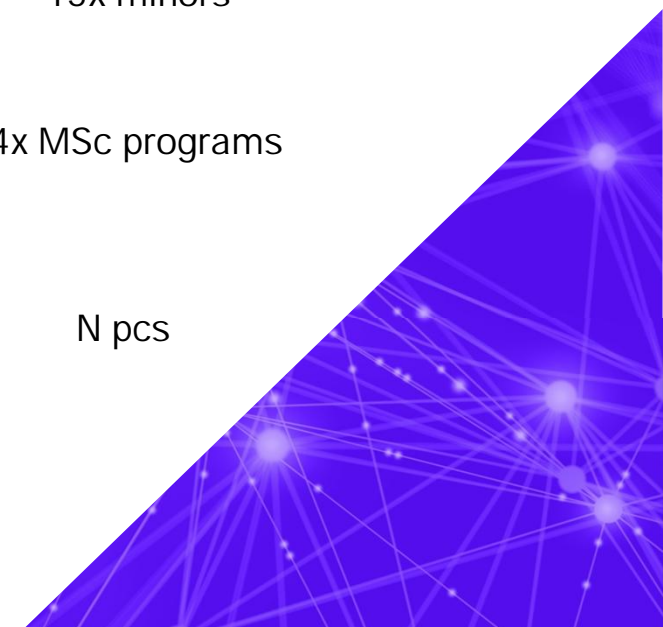
Automation is found everywhere and our current everyday life is depending on the various automation systems such production and distribution of electricity and heating. Ordering items from web-store is possible of because of automation and the order starts chain of automated tasks including picking from storage, packaging, transportation, invoicing and so on. In the future robot can deliver the package to your home door. Automation is key competence area for Finnish export

 Type of study unit:	Minor
 Credits	20 ECTS
 Schedule	27.8.2018 - 26.4.2019
 Host university	Tampere University of Technology
 Programme suitable for	All students who are interested on automation. Knowledge on mathematics and basic programming skills are required.
 Methods and location	C=Classroom study in Turku, D=Distance study

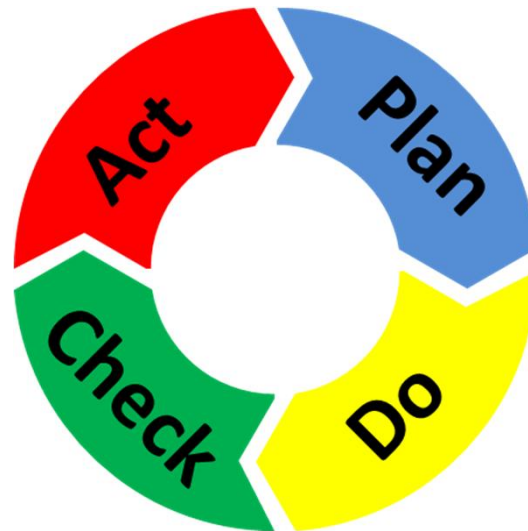


ACADEMIC OFFERING 2018-2019

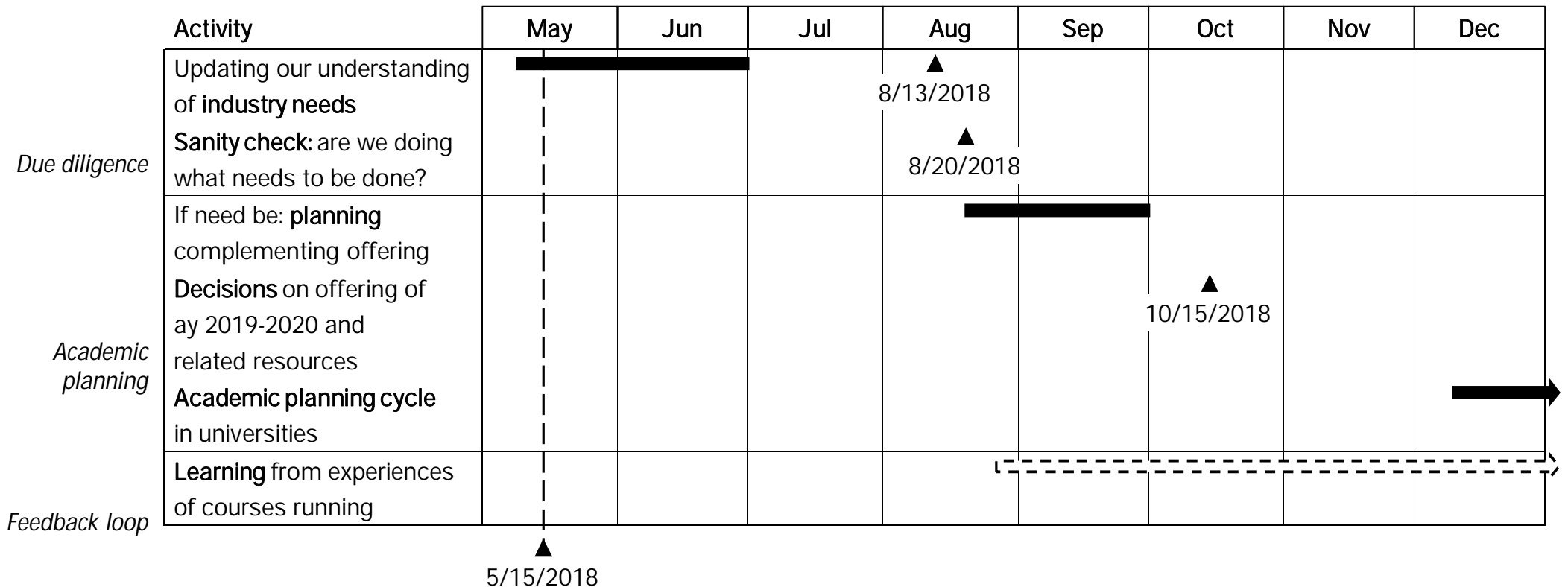
Target student segment	Mode of offering	Volume
UTU and ÅA STEM students	Engineering minors, summer school	15x minors
Students upgrading qualifications (especially UAS engineers)	MSc Programs, engineering minors	4x MSc programs
Industry employees looking for opportunities of lifelong learning	Individual open courses	N pcs



IT'S IMPORTANT WE MAINTAIN AN ATTITUDE OF **DEVELOPMENT**
TOWARDS BOTH OUR ACADEMIC OFFERING AND THE **WAY WE WORK**



HERE'S WHAT THAT MEANS IN TERMS OF OUR OFFERING FOR 2019-2020



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GOALS FOR TODAY

1. Clarifying our common vision on the **guiding principles** that should be present in all things FITech
2. Looking for new ways to carry out **industry-academia cooperation** in the FITech context
3. **Getting to know** each other

AGENDA FOR THE DAY

10.00 – 10.20: Opening and FITech-Turku Status Update

10.20 – 12.00: Workshopping FITech Guiding Principles

12.00 – 13.00: Lunch

13.00 – 13.30: FITech Speed Dating

13.30 – 15.45: Workshopping FITech Industry-Academia Cooperation

15.45 – 16.00: Closing

THANKS!

Heikki Koponen

Project Director

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FITECH SPEED DATING

Walk to someone you've never met and introduce yourself. Have a 7 minute chat and share some ideas on the following:

1. What is the most interesting idea you've had or heard in FITEch Forum?
2. What do you think could be the best possible long-term outcome of FITEch Turku? How could we make that outcome as likely as possible?
3. What are some of the risks involved in FITEch Turku and how to manage those risks?
4. Is there something the two of you could do to help each other accomplish your goals related to FITEch Turku?

After 7 minutes, find a new partner to talk to!