



Aalto University
Design Factory

Product Development Project

just before the teams get loose

16:15 Lecture

16:45 Team meetings

- Breakout rooms

17:30 Teams introduction

- Summary of discussions from each team

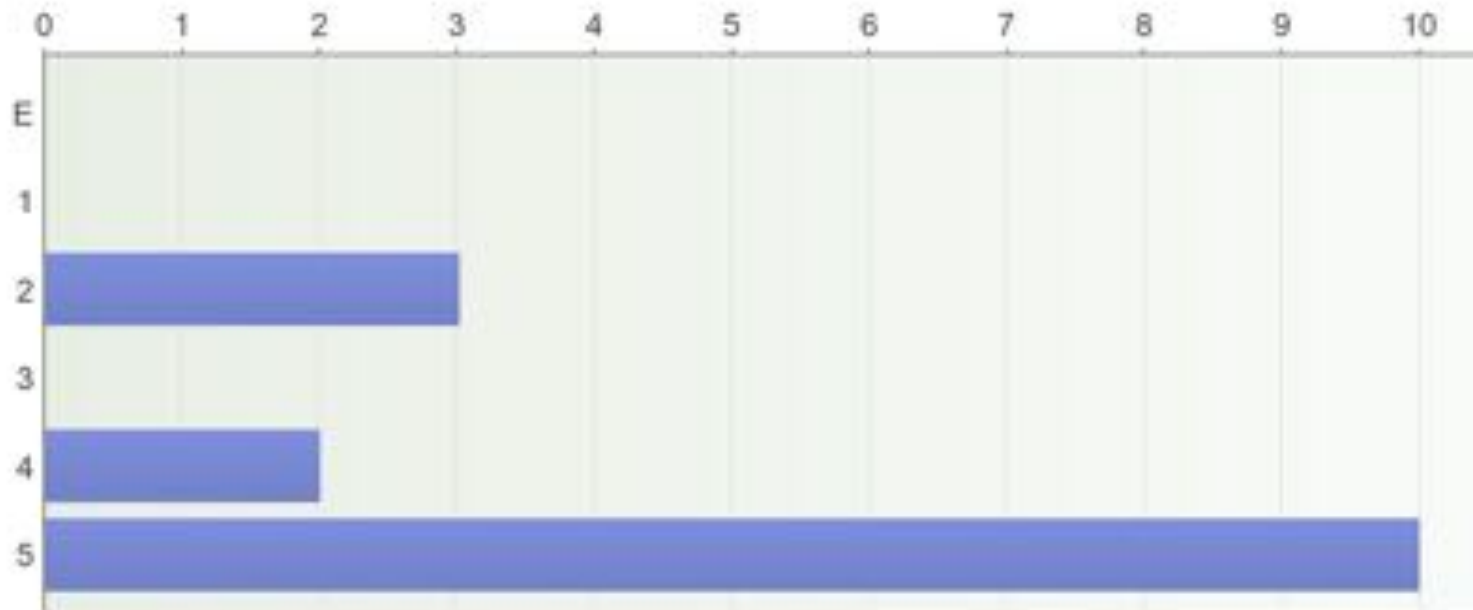
18:00 Wrap up

- What's next?
- Fill out team sheet and upload on Mycourses
- Sponsor matching

MEC-E3001 Product Development Project L, V (2019-09-11 - 2020-05-15)

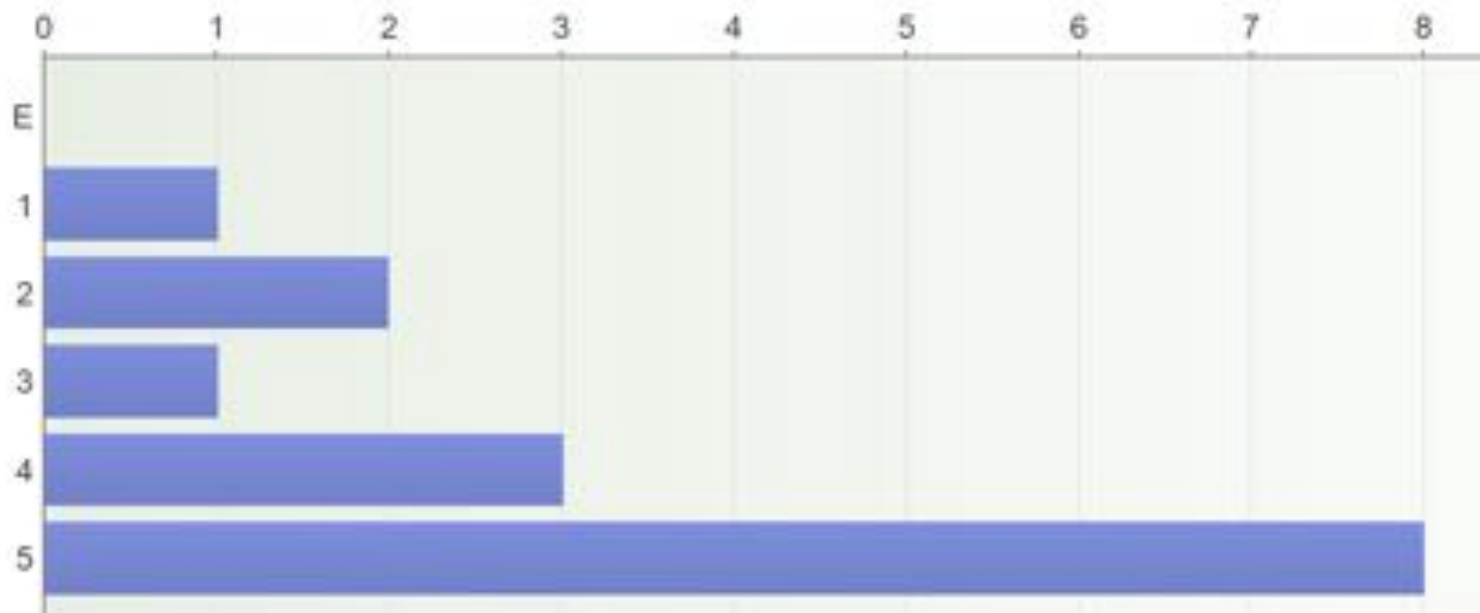
1. My overall assessment of the course E=Not applicable, 1=Fair, 2=Satisfactory, 3=Good, 4=Very good, 5=Excellent

Number of respondents: 15



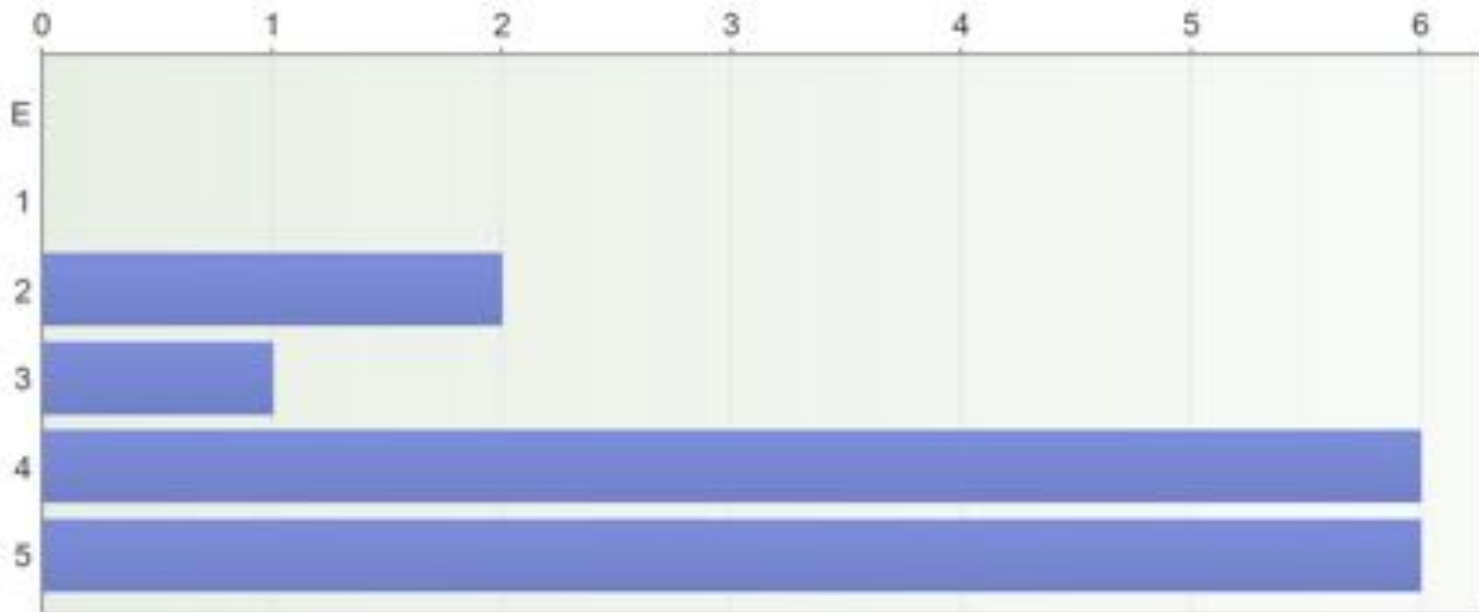
2. The teaching methods (lectures, labs, group work, online study, assignments etc.) supported my learning E=Not applicable, 1=Strongly disagree, 2=Disagree, 3=Neither agree nor disagree, 4=Agree, 5=Strongly agree

Number of respondents: 15



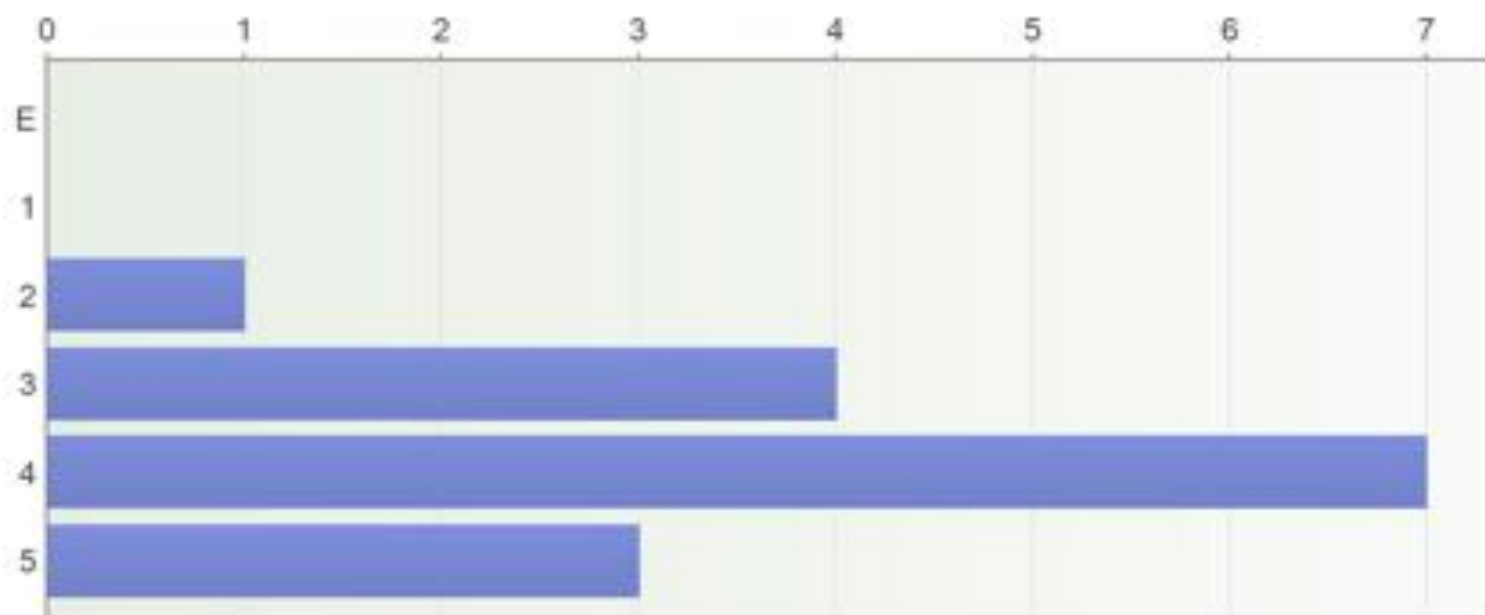
3. I am pleased with my study effort on this course E=Not applicable, 1=Strongly disagree, 2=Disagree, 3=Neither agree nor disagree, 4=Agree, 5=Strongly agree

Number of respondents: 15



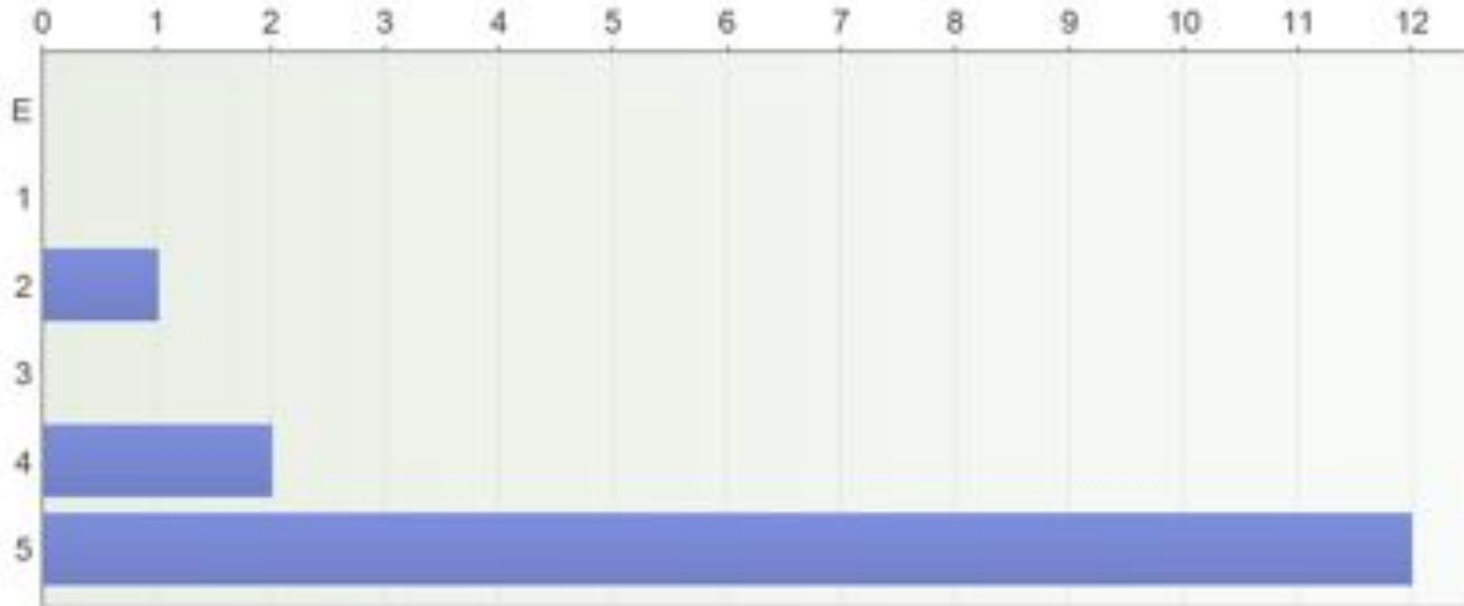
4. According to the guidelines, one credit (ECTS) requires 27 hours of student work. Compared with this, the completion of the course required E=Not applicable, 1=Considerably less time, 2=Slightly less time, 3=The right amount of time, 4=Slightly more time, 5=Considerably more time

Number of respondents: 15



5. I think I will benefit from the things learnt on the course. E=Not applicable, 1=Strongly disagree, 2=Disagree, 3=Neither agree nor disagree, 4=Agree, 5=Strongly agree

Number of respondents: 15





Søren

2020-2021

10 Projects

59 Aalto students

8 Student teams from distant locations



About myself

I am studying Mechanical Eng

I play football

I can do CAD

I trust in facts and logic

About myself

How do I react in situations...

What motivates me...

How do I organize myself...

I'm afraid of ...

When I'm facing conflict...

- I'm not sure if this is the right team...
- My manager is an idiot...
- How will it go with the remote students...
- We have no XYZ skills...
- We failed to get our first priority project...
- The project turns to smth different...



Trends in Arranged and Love Marriages

(% of total)



Scores on Rubin's Love Scale
(9-item version; possible range 9 to 81)

--- Love Marriages
— Arranged Marriages

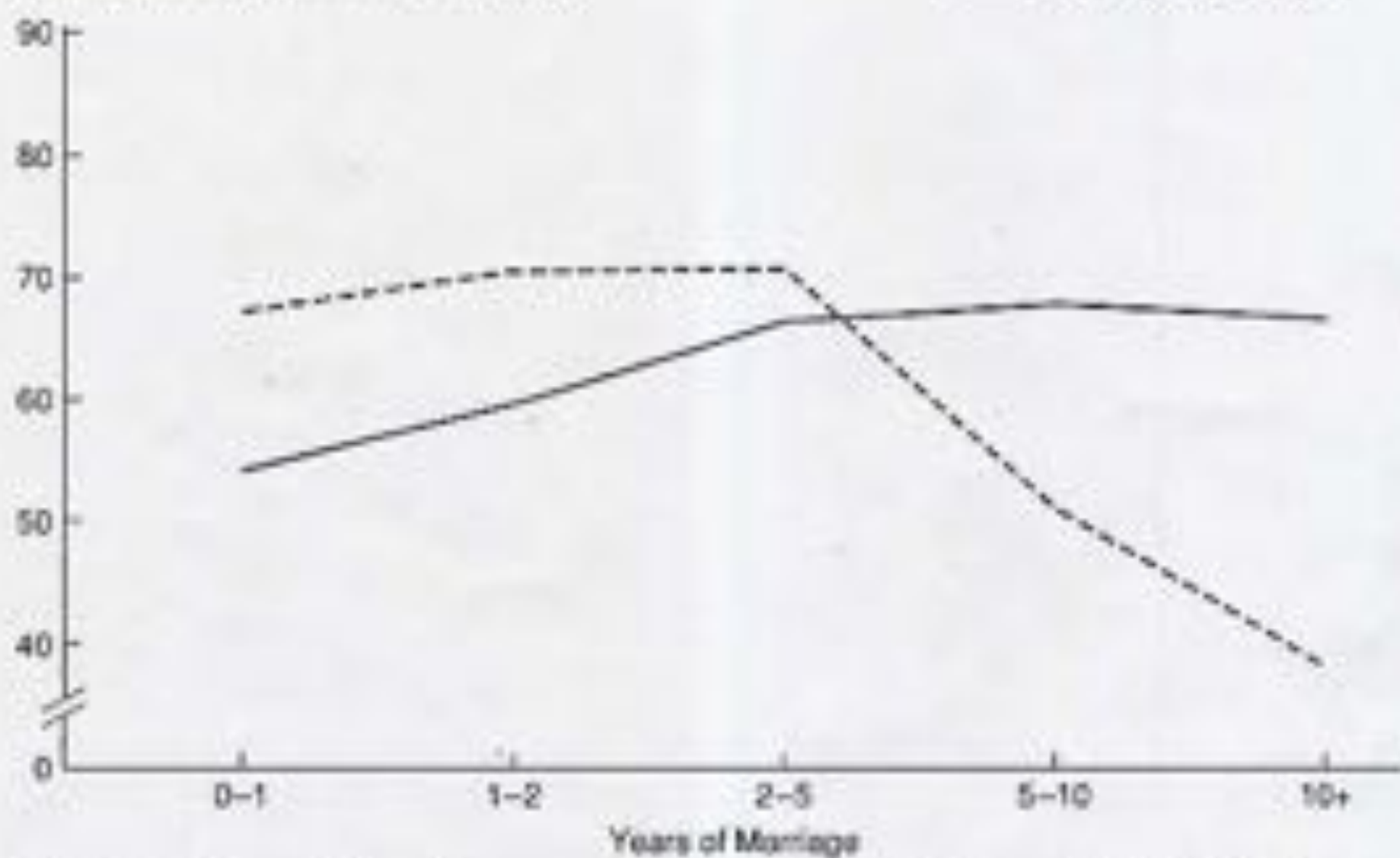



FIGURE 8.3. Romantic love decreases after people marry for love. A study in India compared arranged marriages to those in which the spouses married because they were in



In teams it's not anymore "I", but

Expectations

Motivation

Why here

What makes me tick

Capabilities

Personality

Why should everyone remember me

Practicalities

Comprehensive contact list
Securing that no one will miss pieces of information
Match making process (projects/teams)
How to develop team rules
How to track the resources spent



**KEEP
CALM**

&

**FOLLOW
THE RULES**

Being late

Email, sms, call

Rotation

Files and storages

Documentation

Backups

Supporting activities

Talk to strangers

Safety comes first

Fail fast succeed sooner



RÜM

"Using cutting edge design, technology and engineering to deliver innovation to social and commercial modular temporary accommodation for Kapseli OY."



OUR STRENGTHS
Raisio, materials strength, product design, visual communication design, chemical engineering, mechanical engineering, user centered design, ergonomics and international business.

PROJECT CONTACT
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Decision making

How to prepare for Match Making

-why?

-who are they?

-your interpretation?

-testing your first thoughts?

-any real and serious deal brakers?

MobiCom 2011

Las Vegas, Nevada, USA
September 19-23, 2011

GRID: A DTN based Localized Social Networking and Messaging Application

Authors: Karthik Budigere, Binoy Chemmagate, Junxi Yin, Markus Nurminen, Eero Martela (Aalto University, Finland), Ankit Kumar, Richa Khera, Nutan Sawant (Indian Institute of Technology, India)

- Metso Group articles
- Sustainability articles
- Mining and construction
- Energy articles
- Automation articles
- Recycling articles
- Pulp and paper articles

What will the Good Mill of the future look like?

How can you combine industry and city so as to give people a good life and an unpolluted environment? The answer lies with the Good Mill, a visionary concept, based on real needs and opportunities.

Global collaborations

Metso, in collaboration with Tsinghua University and Tsinghua Tongji Design Factory, is implementing the Good Mill project to create an eco-efficient urban planning model that embraces ethical values. The project integrates the urban environment, industry and sustainability in a new, innovative way. The model example used in the plan is Chongming Island, located in Shanghai, China.

"The goal is to create a foundation for an ecological, urban community in which industry is an integral element in the heart of the metropolis," says Petteri Venetjoki from Metso Industrial Design Center.

No compromise on comfort or ecology

In the project the students photographed the environment, interviewed people, visited kindergartens, and workplaces. They studied the culture, waste management, industrial architecture, flow of goods, and alternative business models. In the plan, waste management, recycling and energy production are handled on the residents' terms without compromising comfort and ecology aspects.

At this point, the goal of the Good Mill project is concept planning. During the project the team created a bold, futuristic design of a mill that would take people's needs into account, a mill that would spring up in the middle of the community. The mill is like an urban facility where the waste and wastewater produced by people are processed into energy or new products. The processing of waste produces value, "upcycling," which is more than just recycling.

Working together with Metso experts



contact us

- Metso locations
- Sales and service

find a product

Metso Sustainability
Results 2010

related links

- ESG indicators

Vaisala QMD102M Handheld Terminal



General

The Vaisala QMD102M handheld terminal is a new generation terminal for the MAWS201M system. The QMD102M is specially designed for demanding military use in all weather

Modern Display Design

The QMD102M display layout is designed based on Vaisala's design guide to provide best usability factors and easy to use displays. The layout includes graphical wind

Features/Benefits

- Bright display visible in bright sunlight
- Easy to use
- Robust design



Tuotekehitysprojekteihin oppilastulva TKK:ssa

Opiskelijatyöt poikivat innovaatioita

Joka vuosi tuotekehitysprojekteissamme syntyy lukuisia keksintöjä ja patenteja. Näin sanoo professori Kalevi Ekman Teknillisen korkeakoulun kone teknikan osaston Gala-projektin loppuseminaarissa, jossa opiskelijat esittelivät lukuvuoden tuotekehitystyön tuotoksia.

Ekman vetää tätä opintojen loppuvaiheeseen sijoittavaa kurssia, johon osallistuu myös Taideteollisen korkeakoulun opiskelijoita.

Ongelma-keskeinen opiskelu on Ekmanin mukaan vetänyt vuosittain 70-80 opiskelijaa, viimeisimpänä lukuvuonna enäätykselliset sata.

"Tässä ruusua miettäminen, miten selvittää, jos määrä kasvaa."

Tässä vuonna kursilla oli

kymmenen tuotekehitysprojektiä. Ekman korostaa, että hyväksi suunnittelijaksi tullaan harjoittelemalla ja suunnittelemalla. Opiskelun aikana on mahdollista tehdä virheitä ja oppia niistä.

Kaikki aiheet eivät käy, sillä työn pitää vastata painssi tilaajan myös opiskelun tavoitteita. Yrityksestä täytyy löytyä projektia varten myös yhtä innokas ihminen kuin opiskelijat ovat.

Yli 15 000 työtuntia hurahti Ekmanin mukaan tämän vuoden töihin, joihin opiskelijoita motivoitiin "uhkailulla, v. alhalla ja kattoetomilla lupauksilla".

Protot eivät jää pölyttymään

Opiskelijoidenkaan hirmoria ei projekti ollut verottanut kokonaan. Heidän mu-

kaansa homma onnistui, jos jaksot unohtaa elämästä kaikki "pölkajutut", kuten kaverit, tyttöystävien tai muut elämän houkutukset.

Tuotesuunnittelun lisäksi tavoitteena on Ekmanin mukaan oppia tiimi- ja projektityöskentelyä. Esitelmistäkin on jossain vaiheessa harjoiteltu. Nuorten tuote-esittelyt olivat niin ammattimaista, että päihittivät monen työksensä esittävän puheet. Kielen vaihtaminenkaan ei näyttänyt tuottavan hikihelmiä osalle.

Tuotekehityksen tulokset eivät Ekmanin mukaan yleensä jää pölyttymään. Tyypillisimmillään yritykset käynnistävät prototyypin jatkokehityksen 1-2 vuoden päästä opiskelijoiden osuuden päättymisestä.

BAJJA HALLIKAINEN

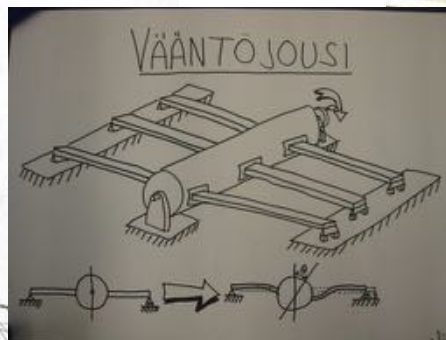
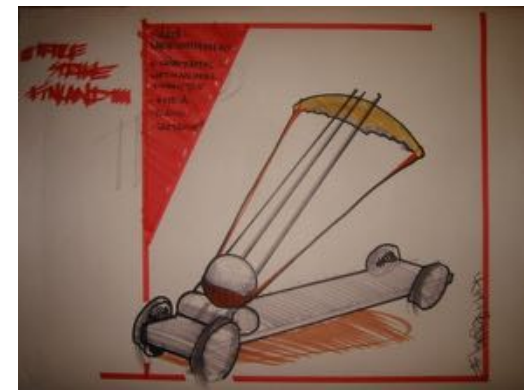
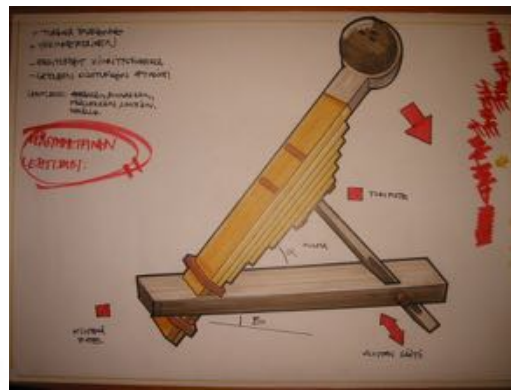
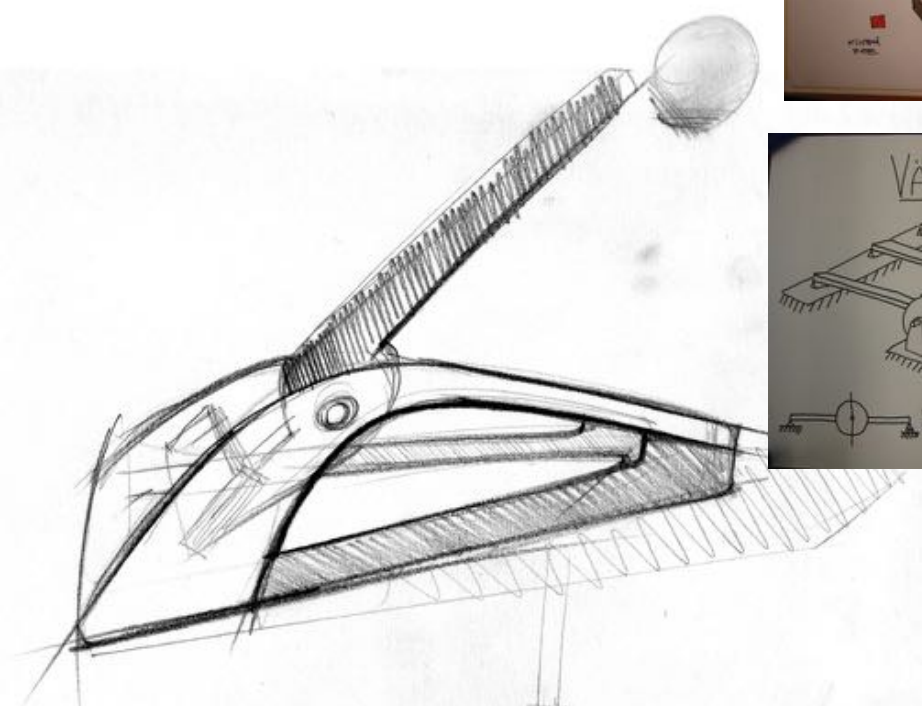


Kansainväliseen akateemiseen katapulttikilpailuun osallistuvan Triple Striken vierailu tuotekehitysprojektin johtaja Santeri Suoranta (vas.) ja ryhmän jäsen Jaakko Sothasira.



PROJECT TRIPLE STRIKE

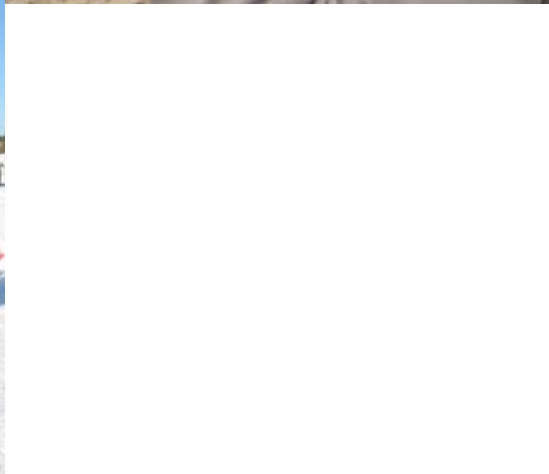
EPTÄ CATAPULT ACADEMIC COMPETITION





PROJECT TRIPLE STRIKE

EPFA CATAPULT ACADEMIC COMPETITION



exel

ASHLAND

+ BATTERY +
CLOSED CROWN

KEVRA

 **Ortkivi Oy**

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PROJECT TRIPLE STRIKE

EPTA CATAPULT ACADEMIC COMPETITION



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+ BATTERY +
CLOSED CELL

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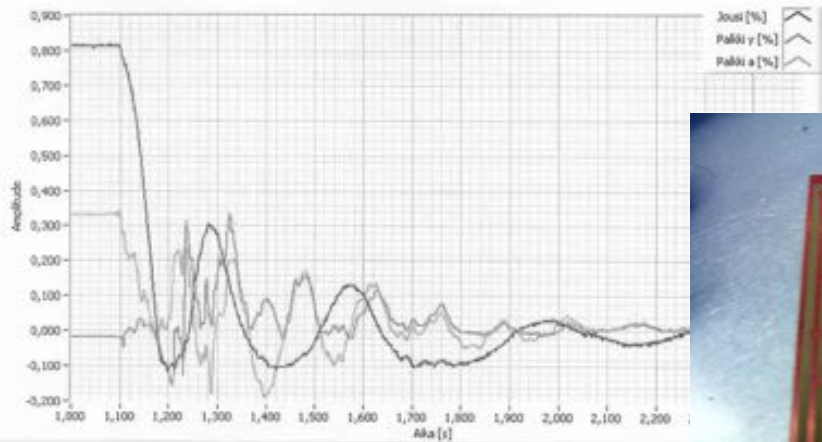
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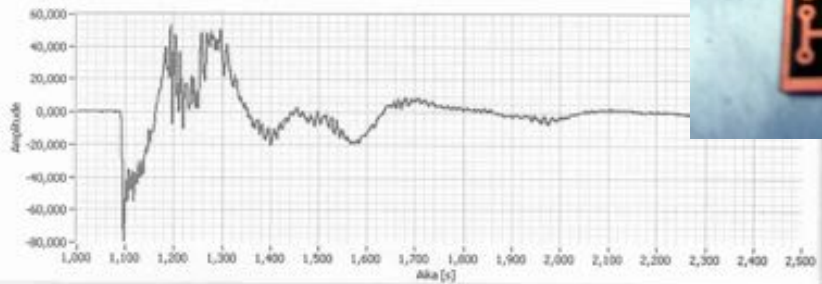


PROJECT TRIPLE STRIKE

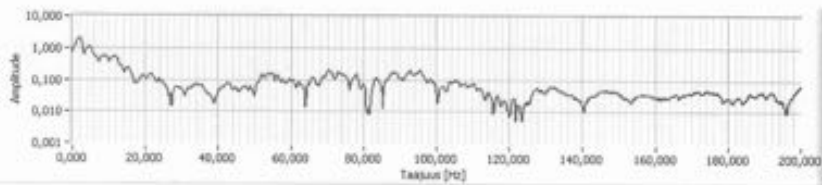
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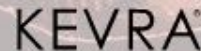
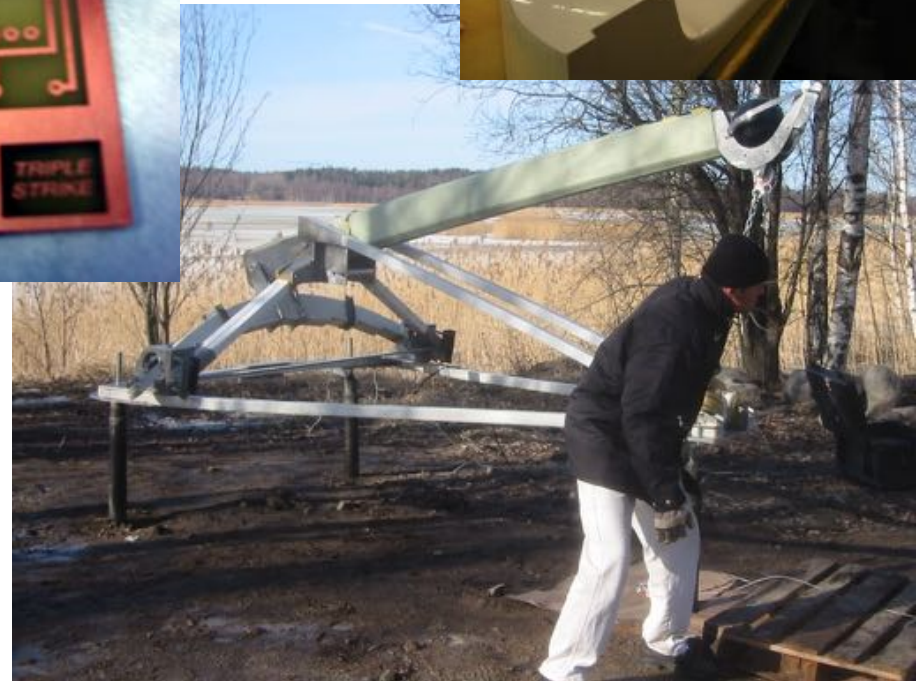
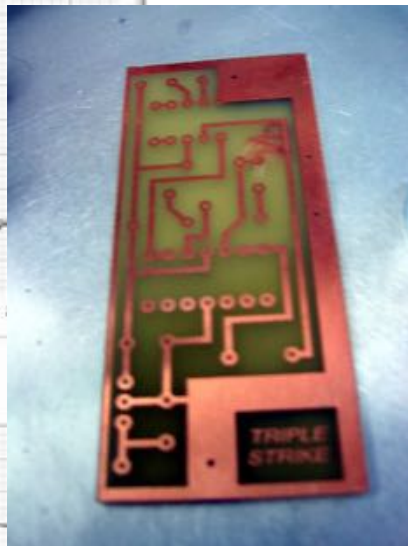
Kaavio 1. Jousesta ja rungosta mitatut venymät laukaisun aikana.



Kaavio 2. Heittovarren profiilin päästä mitattu kiihtyvyys laukaisuhetkellä.



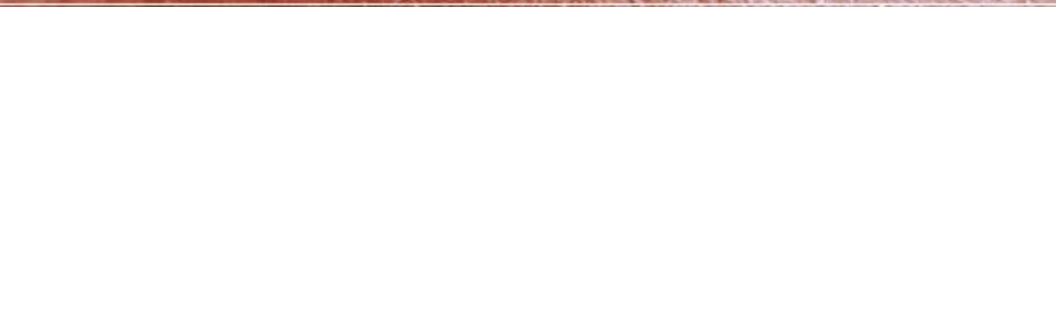
Kaavio 3. Kiihtyvyyssignaalin amplitudispektri aikaväliltä 1,15 ...5 s.





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