KTH ROYAL INSTITUTE
OF TECHNOLOGY

Transition of the Degree Issuing Process

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KTH Royal Institute of Technology

Digitalization in all parts of the Degree Issuing Process

- Application
- Processing of applications
- Issuing procedure
- Degree Certificate

Focus in this presentation

- Why?
- When?
- How?
- What?
- Results!

This is KTH Royal Institute of Technology

Research and education for a brighter tomorrow

- KTH rests on three pillars; ***sustainability*, *equality* and *internationalisation***:
- We are working proactively for a more sustainable future.
- For us, gender balance is about equality, as well as quality of learning, research and results.
- We are home to students, researchers and faculty from around the world - all dedicated to advancing knowledge.

Sigbritt Karlsson,
KTH President

An innovative European technical university

Sweden's largest technical research and learning institution:

- More than 13,000 full-time students (one-third women).
- Close to 1,800 research students (one-third women).
- Around 3,500 full-time positions (one-third women).
- Five campuses in the Stockholm region.

Organization

KTH's activities are separated into different Schools. Each of these is heading a number of Departments, Centres of excellence and undergraduate study programmes.

- School of Architecture and the Built Environment
- School of Electrical Engineering and Computer Science
- School of Engineering Sciences
- School of Engineering Sciences in Chemistry, Biotechnology and Health
- School of Industrial Engineering and Management

University Administration

Education Office

International Relations
Academic Registry – Degree Office
Student's Office

Degree Office – 10 officers

4500 Degrees per year

Degrees at KTH

	General qualifications	Professional qualifications
1st cycle	• Higher Education Diploma • Degree of Bachelor of Science	• Degree of Bachelor of Science in Engineering
2nd cycle	• Degree of Master of Science (60 credits) • Degree of Master of Science (120 credits)	• Degree of Master of Science in Engineering • Degree of Master of Science in Architecture • Degree of Master of Science in Secondary/Upper Secondary Education
3rd cycle		• Degree of Licentiate of Engineering • Degree of Doctor of Philosophy

Degree issuing, paper-based

- Hard copy applications
- The processing of applications
  -two step process Schools-University administration
- Approval from academic responsible with signature
- MS Word –tool for creating the degree certificate
- President´s signature
- Send out by registered mail
- Archive hard copy

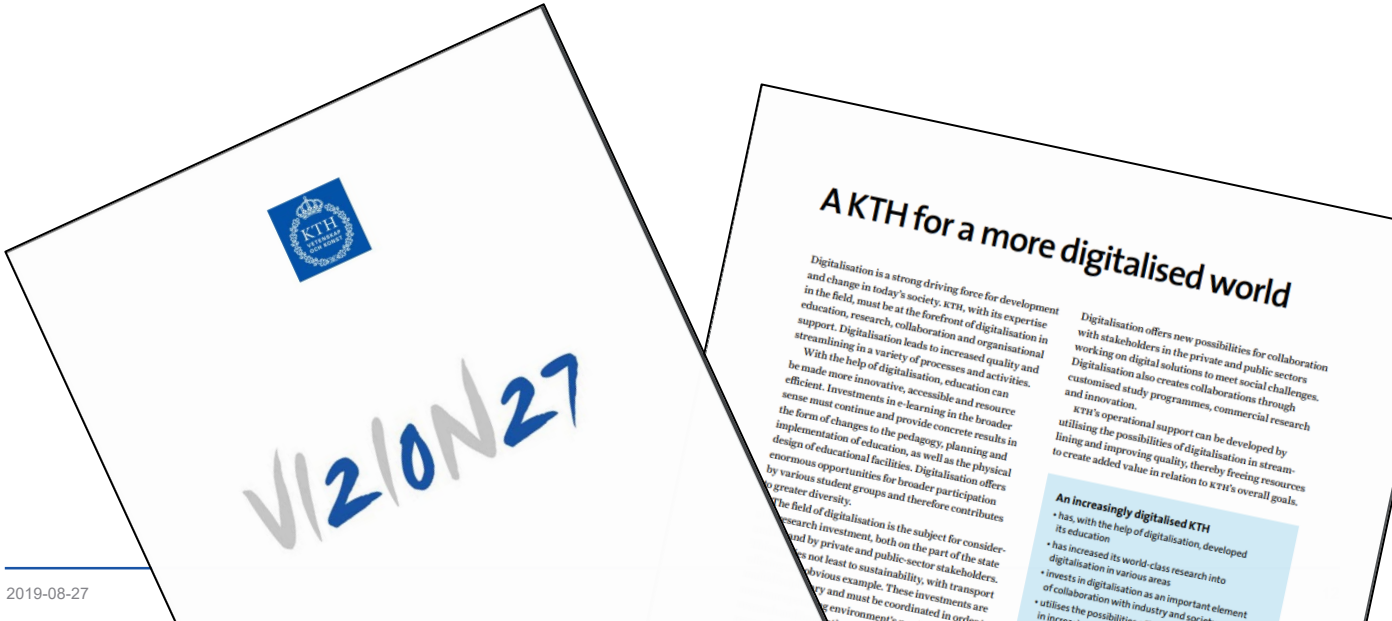
- Manually registration of applications and all steps in the process in the student registry

Inbetween paper-based and digitalized

- Online applications for some qualifications 2014
- Assessment of administrative processes
- President´s signature – digitized 2017

Why?

- Digitalization is prioritized at KTH – part of the long-term strategy and development plan
- Technical University and International University



VI2ON27

A KTH for a more digitalised world

Digitalisation is a strong driving force for development and change in today's society. KTH, with its expertise in the field, must be at the forefront of digitalisation in education, research, collaboration and organisational support. Digitalisation leads to increased quality and streamlining in a variety of processes and activities.

With the help of digitalisation, education can be made more innovative, accessible and resource efficient. Investments in e-learning in the broader sense must continue and provide concrete results in the form of changes to the pedagogy, planning and implementation of education, as well as the physical design of educational facilities. Digitalisation offers enormous opportunities for broader participation by various student groups and therefore contributes o greater diversity.

The field of digitalisation is the subject for consider- esearch investment, both on the part of the state nd by private and public-sector stakeholders. s not least to sustainability, with transport bvious example. These investments are y and must be coordinated in order g environment's

Digitalisation offers new possibilities for collaboration with stakeholders in the private and public sectors working on digital solutions to meet social challenges. Digitalisation also creates collaborations through customised study programmes, commercial research and innovation.

KTH's operational support can be developed by utilising the possibilities of digitalisation in stream- lining and improving quality, thereby freeing resources to create added value in relation to KTH's overall goals.

An increasingly digitalised KTH

- has, with the help of digitalisation, developed its education
- has increased its world-class research into digitalisation in various areas
- invests in digitalisation as an important element of collaboration with industry and soci
- utilises the possibili in incre

When?

- Tentative preparations autumn 2017, decisions and hard work spring 2018
- Tool: New student registry LADOK – launched at KTH in June 2018
- Outdated printers

- 6th of July 2018 the first degree certificate was issued digitally!

How?

- President’s and University Director´s approval
- Preparations i collaboration with:
  IT/Communications-Visual identity/
  Archive and Registrar/Legal councel
- Try to learn the new student registry
- Collect data from old student registry
- Create templates for all different qualifications
- Learn from other universities

What?

- Application - online
- Processing of applications - online
- Issuing procedure - online
- Degree Certificate - pdf

Results!

- More transparent process – easier to follow for the applicant
- No paper applications – it´s all in the student registry LADOK
- No ”personal adjustments” to the degree certificates
- Degree certificates issued as pdf-files.
- Benefits: paper, printers, postal service, physical archive

- Some countries/universities not accepting digital degree certificates: receives hard copy of the pdf
- Joint degrees issued as previously on paper

KTH ROYAL INSTITUTE OF TECHNOLOGY

EXAMENSBEVIS | *DEGREE CERTIFICATE*

Teknologie masterexamen

Degree of Master of Science (120 credits)

Stockholm den 6 juli 2018
Stockholm, Sweden 6 July 2018

på rektors vägnar
on behalf of the President

Sofia Knutz

Examenshandläggare
Degree Officer

Sigbritt Karlsson, rektor
rektor, Kungliga Tekniska högskolan KTH
President, KTH Royal Institute of Technology

Personnummer/ *Personal identity number*

och därmed i enlighet med högskoleförordningen (1993:100) om studier på avancerad
dområdet maskinteknik 120 högskolepoäng, med följande betyg:
le Energy Engineering, 120 credits and in accordance with the Swedish Higher
dies at second cycle, been awarded the Degree of Master of Science (120 credits) with
lowing grades:

	Högskolepoäng *Credits*	Betyg *Grade*	Datum *Date*
	9,0	Tillfredsställande[1] *Satisfactory*	2016-01-12
	6,0	Tillfredsställande[1] *Satisfactory*	2016-01-13
	6,0	Mycket bra[1] *Very Good*	2016-01-15
	9,0	Tillräcklig[1] *Sufficient*	2016-03-14
anced Course	6,0	Mycket bra[1] *Very Good*	2016-03-25
	6,0	Mycket bra[1] *Very Good*	2016-05-17
panska för ingenjörer *Japanese for Engineers*	7,5	Godkänd[2] *Pass*	2016-05-27
energitekniken *Technology*	6,0	Bra[1] *Good*	2016-06-03
	6,0	Mycket bra[1] *Very Good*	2016-06-07
Course	9,0	Godkänd[2] *Pass*	2016-12-14
	6,0	Utmärkt[1] *Excellent*	2016-12-19
	7,5	Godkänd[2] *Pass*	2016-12-19
ergiforskning *for Energy Research*	6,0	Bra[1] *Good*	2017-01-11
	3,0	Bra[1] *Good*	2017-01-13
asteknik, avancerad nivå *ce Technology, Second Cycle*	30,0	Mycket bra[1] *Very Good*	2018-02-27

of Catalytic fast pyrolysis for biocrude production
s of Catalytic fast pyrolysis for biocrude production

), Bra (C), Tillfredsställande (D), Tillräcklig (E)
(B), Good (C), Satisfactory (D), Sufficient (E)

adier och 60 högskolepoäng motsvarar ett års heltidsstudier. 1 högskolepoäng

s and 60 credits are equivalent to one year of full-time studies. 1 credit is equivalent to

What´s next?

- Digital signatures
- E-archive connection with LADOK

Later on:

- Online verification

Questions, comments?

Contact information

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