

For the Members of the Board

Executive Management  
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Confidential Items are marked in grey and are only for the Board's own use. This applies to enclosures marked in grey as well.

The rest of this document and enclosures are Publicly Available Information.

**Agenda for the IT University Board Meeting on Wednesday, April 15, 2021, at 14:00 – 17:00 in room 2F13, Emil Holms Kanal, 2300 Copenhagen S.**

**Public items:**

**1. Welcome to New Appointed and Elected Board Members (briefing)**

**2. Approval of the Minutes from the Previous Meeting (decision)**

**3. ITU Annual Report 2020 (decision)**

**Enclosure 1a+1b:** ITU Annual Report 2020 (in Danish and in English)

**Enclosure 2a+2b:** Ernst & Young's Long-form Audit Report, dated April 15, 2021 (in Danish and in English)

**4. ITU Strategic Framework Contract 2018 – 2021 – Statusredegørelse 2020 (decision)**

**Enclosure 3:** Statusredegørelse 2020 for IT-Universitetet i København (in Danish only)

**5. Fulfilment of Strategic Contract Targets for 2020 (discussion)**

**Enclosure 4:** Follow-up on Strategic Framework Contract Targets, as of December 31, 2020

**Confidential items:**

**6.**

**7.**

**8.**

**Public items:**

**9. News from ITU (briefing)**

**Enclosure 7:** ITU Student Admission Budget 2021

**10. Expected Kopernikus Costs (briefing)**

**Enclosure 8:** Briefing on Kopernikus Project

**11. Presentation of the Executive-level Employers´ s Panel Report 2021 (briefing)**

**Enclosure 9:** Executive-level Employers´ s Panel Report 2021

**12. Questions Regarding Mail-delivered Briefings (briefing)**

**13. Any Other Business**

**The Executive Management´ s comments on the agenda**

**Public items:**

**Item 1: Welcome to New Appointed and Elected Board Members (briefing)**

Welcome to new appointed external board member Christina Hvid, and to new elected board members Anaya Mourad Jensen and Mikala Sofie Skoglund Thomsen.

**Item 2: Approval of the Minutes from the Previous Meeting (decision)**

No comments to the minutes from the meeting on November 19, 2020, have been received.

***Recommendation:***

*The Executive Management recommends that the minutes be approved.*

**Item 3: ITU Annual Report 2020 (decision)**

**Enclosure 1a+1b:** ITU Annual Report 2020 (in Danish and in English)

**Enclosure 2a+2b:** Ernst & Young´ s Long-form Audit Report, dated April 15, 2021 (in Danish and in English)

Peter Gath and Morten W. Larsen, Ernst & Young, will present Ernst & Young´ s Long-form Audit Report to the board.

**Recommendation:**

*The Executive Management recommends that the Board approves and signs the ITU Annual Report 2020.*

**Item 4: ITU Strategic Framework Contract 2018 – 2021 – Statusredegørelse 2020 (decision)**

**Enclosure 3:** Statusredegørelse 2020 for IT-Universitetet i København (in Danish only)

**Recommendation:**

*The Executive Management recommends that the Board approves the status statement.*

**Item 5: Fulfilment of Strategic Contract Targets for 2020 (discussion)**

**Enclosure 4:** Follow-up on Strategic Framework Contract Targets, as of December 31, 2020

Most of the important strategic targets for 2020 have been reached. It is particularly positive that the percentage of female students admitted to BSc Software Development and BSc Data Science was well above target (T5). Even though the target regarding blended learning (T8) has not been formally met, we have obtained significant experience with online learning formats in 2020 during the COVID-19 lockdown. Work related to the targets T10, T15 and T24 was deliberately postponed to 2021 in order to free resources to cover the extra workload during the lockdown.

**Confidential items:**

**Item 6:**

**Item 7:**

**Item 8:**

**Public item:****Item 9: News from ITU (briefing)**

- Status on the COVID-19 Activities
- Adjustment of SWU and BDS Intake, Spring 2021 (enclosure)
- MSc Data Science Intake, Autumn 2021, and Reduction on Existing MSc Programmes
- ITU Campus Status
- Research News
- APV Report
- Status on the ITU Framework Contract 2022 - 2025

**Enclosure 7:** ITU Student Admission Budget 2021

At the meeting, the Executive Management will give a briefing on what is happening at the ITU.

**Item 10: Expected Kopernikus Costs (briefing)**

**Enclosure 8:** Briefing on Kopernikus Project

We refer to the enclosure.

**Item 11: Presentation of the Executive-level Employers' Panel Report 2021 (briefing)**

**Enclosure 9:** Executive-level Employers' Panel Report 2021

At the meeting, the Executive Management will present highlights from the panel's report 2021 to the board.

**Item 12: Questions Regarding Mail-delivered Briefings (briefing)**

2021-03-11: Confidential Information on New Appointed External ITU Board Member

2021-02-08: Afgørelse fra Datatilsynet vedrørende brug af programmet ProctorExam

2020-12-20: ITU Newsletter (in Danish)

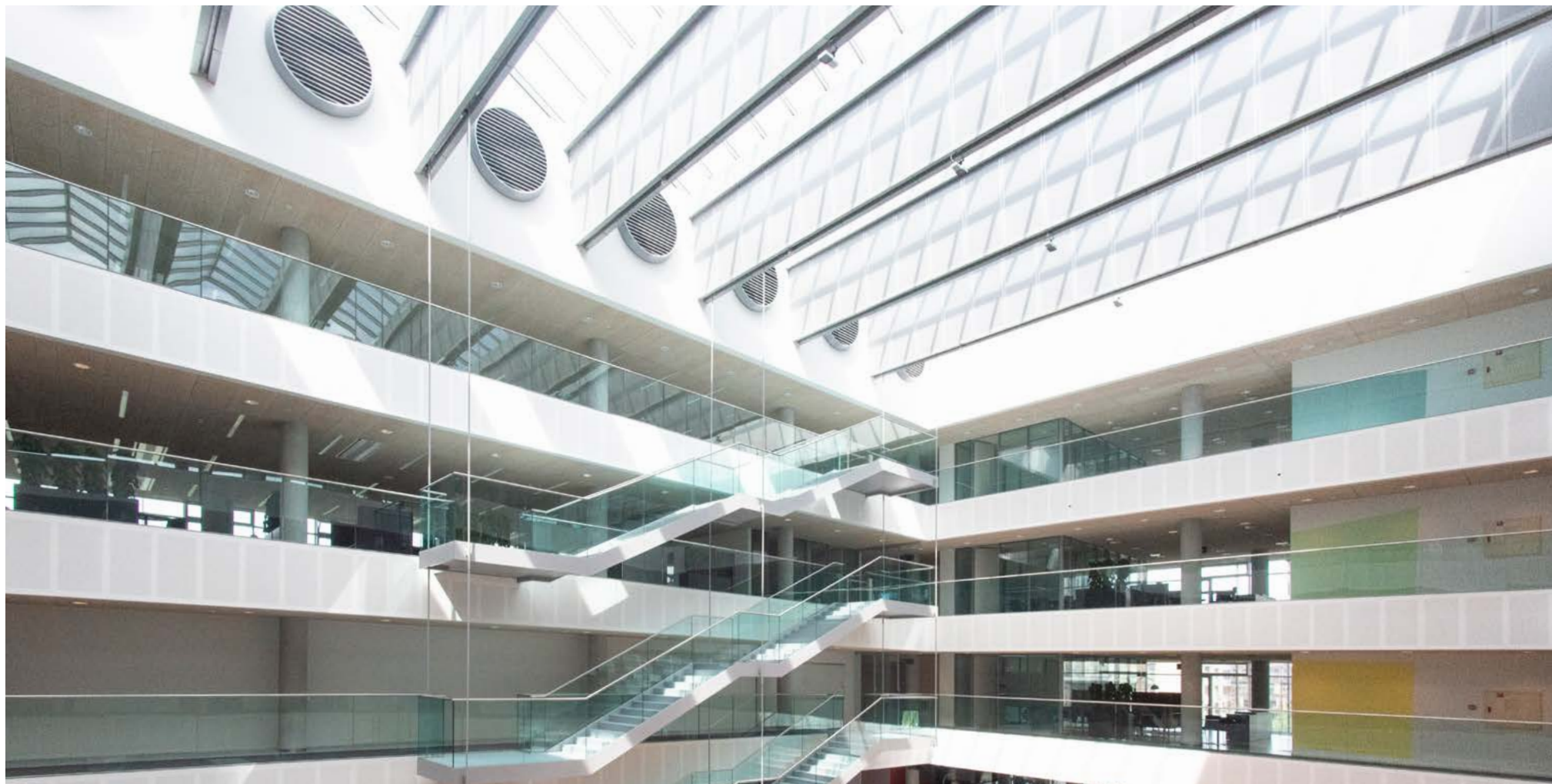
2020-12-03: ITU Board – New Elected Members

**Item 13: Any Other Business**

Yours sincerely,

Gitte Gramstrup

Assistant to the Executive Management



# ÅRSRAPPORT 2020

IT-UNIVERSITETET I KØBENHAVN

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# VIRKSOMHEDSOPLYSNINGER



# VIRKSOMHEDSOPLYSNINGER

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<b>Telefon</b>	+45 72 18 50 00
<b>Mail</b>	itu@itu.dk
<b>Web</b>	www.itu.dk
<b>CVR-nr.</b>	29 05 77 53
<b>Hjemstedskommune</b>	København

## BESTYRELSE

### Carsten Krogh Gomard

Bestyrelsesformand, Investor og professionelt bestyrelsesmedlem, født 1966. Netcompany medstifter. *Indtrådt som bestyrelsesformand pr. 1. november 2020.*

### Lars Mathiesen

Næstformand i bestyrelsen, Direktør, Frost Management, født 1956. Associated Director i Deloitte. Bestyrelsesmedlem i YOUANDX. Medlem af Københavns Kommunes It-projektråd, Danske Regioners It-råd, Region Hovedstadens Ekspertråd, It-tilsynet i Skat, KL/KOMBITs Digitaliseringsråd samt Justitsministeriets Datafølgegruppe. Sagkyndig dommer ved Østre Landsret.

### Kristine Stenhuus

Corporate Vice President, NNIT, født 1973.

### David Basin

Dr., professor, ETH Zürich, født 1961.

### Christina Hvid

CEO, Molio, født 1970. Bestyrelsesformand i Fonden Hornbæk Kunstmuseum. Bestyrelsesmedlem i Byg Erfa. 2008: Udnævnt til Young Global Leader af World Economic Forum. *Indtrådt i bestyrelsen pr. 1. april 2021.*

### Mircea Lungu

Lektor, IT-Universitetet i København, født 1980.

### Anaya Mourad Jensen

Specialkonsulent, IT-Universitetet i København, født 1987. *Indtrådt i bestyrelsen pr. 1. januar 2021.*

### Mikala Sofie Skoglund Thomsen

Kandidatstuderende, IT-Universitetet i København, født 1995. *Indtrådt i bestyrelsen pr. 1. januar 2021.*

### Sebastian Mateos Nicolajsen

Kandidatstuderende, IT-Universitetet i København, født 1998.



# DIREKTION, REVISOR, ADVOKAT OG BANK



## DIREKTION

Martin Tvede Zachariasen  
Rektor

Jens Christian Godskesen  
Prorektor

Georg Dam Steffensen  
Universitetsdirektør

## REVISOR

Rigsrevisionen  
Landgreven 4  
1301 København K

## INSTITUTIONSREVISOR

EY  
Godkendt Revisionspartnerselskab  
Dirch Passers Allé 36  
Postboks 250  
2000 Frederiksberg

## ADVOKAT

Advokatpartnerselskabet  
Kirk Larsen & Ascanius  
Esbjerg Brygge 28  
6700 Esbjerg

Kammeradvokaten  
Advokatfirmaet Poul Schmith  
Vester Farimagsgade 23  
1006 København V

Nørgaard Piening Advokater  
Strandgade 4  
1401 København K

Njord Advokatpartnerselskab  
Pilestræde 58  
1112 København K

Gangsted Advokatfirma  
Borgergade 24B  
1300 København K

## BANK

Danske Bank A/S  
Holmens Kanal 2-12  
1092 København K

A photograph of a modern, multi-story office building interior. The building features white walls, glass railings, and office spaces with desks and computers. The text "PÅTEGNINGER" is overlaid in the center. The background shows a multi-level atrium with glass railings and office spaces. The top level has a glass-walled office with people working at desks. The middle level has a glass-walled office with people working at desks. The bottom level has a glass-walled office with people working at desks. The building has a modern, clean design with a lot of natural light.

# PÅTEGNINGER

# LEDELSESPÅTEGNING

Bestyrelsen og direktionen har dags dato behandlet og godkendt årsrapporten for IT-Universitetet i København.

Årsrapporten er aflagt i overensstemmelse med bekendtgørelse nr. 1021 af 24. juni 2020 om tilskud og revision m.v. ved universiteterne.

## Det tilkendegives hermed, at:

1. Årsrapporten er rigtig, dvs. at årsrapporten ikke indeholder væsentlige fejlinformationer eller udeladelser, herunder at målostillingen og målrapporteringen i årsrapporten er fyldestgørende.
2. De dispositioner, som er omfattet af regnskabsaflæggelsen, er i overensstemmelse med meddelte bevillinger, love og andre forskrifter samt med indgåede aftaler og sædvanlig praksis.
3. Der er etableret forretningsgange, der sikrer en økonomisk hensigtsmæssig forvaltning af de midler, der er omfattet af årsrapporten.

København, den 15. april 2021

## IT-UNIVERSITETET I KØBENHAVNS DIREKTION

Martin Tvede Zachariasen  
Rektor

Jens Christian Godskesen  
Prorektor

Georg Dam Steffensen  
Universitetsdirektør

## IT-UNIVERSITETET I KØBENHAVNS BESTYRELSE

Carsten Krogh Gomard  
Formand, eksternt medlem

Lars Mathiesen  
Næstformand, eksternt medlem

Kristine Stenhuus  
Eksternt medlem

David Basin  
Eksternt medlem

Christina Hvid  
Eksternt medlem

Mircea Lungu  
Medarbejderrepræsentant

Anaya Mourad Jensen  
Medarbejderrepræsentant

Mikala Sofie  
Skoglund Thomsen  
Studerterrepræsentant

Sebastian Mateos Nicolajsen  
Studerterrepræsentant

# DEN UAFHÆNGIGE REVISORS REVISIONSPÅTEGNING

## TIL BESTYRELSEN FOR IT-UNIVERSITETET I KØBENHAVN

### Konklusion

Vi har revideret årsregnskabet for IT-Universitetet i København for regnskabsåret 1. januar – 31. december 2020, der omfatter anvendt regnskabspraksis, resultatopgørelse, balance, egenkapitalopgørelse, pengestrømsopgørelse og noter, herunder supplerende regnskabsoplysninger. Årsregnskabet udarbejdes efter statens regnskabsregler og bekendtgørelsen nr. 1021 af 24. juni 2020 om tilskud og revision m.v. ved universiteterne (statens regnskabsregler).

Det er vores opfattelse, at årsregnskabet i alle væsentlige henseender er rigtigt, dvs. udarbejdet i overensstemmelse med statens regnskabsregler.

### Grundlag for konklusion

Vi har udført vores revision i overensstemmelse med internationale standarder om revision og de yderligere krav, der er gældende i Danmark samt standarderne for offentlig revision, idet revisionen udføres på grundlag af bestemmelserne i statens regnskabsregler. Vores ansvar ifølge disse standarder og krav er nærmere beskrevet i revisionspåtegningens afsnit "Revisors ansvar for revisionen af årsregnskabet". Det er vores opfattelse, at det opnåede revisionsbevis er tilstrækkeligt og egnet som grundlag for vores konklusion.

### Uafhængighed

Vi er uafhængige af universitetet i overensstemmelse med internationale etiske regler for revisorer (IESBA's etiske regler) og de yderligere krav, der er gældende i Danmark, ligesom vi har opfyldt vores øvrige etiske forpligtelser i henhold til disse regler og krav.

### Ledelsens ansvar for årsregnskabet

Ledelsen har ansvaret for udarbejdelsen af et årsregnskab, der i alle væsentlige henseender er rigtigt, dvs. udarbejdet i overensstemmelse med statens regnskabsregler. Ledelsen har endvidere ansvaret for den interne kontrol, som ledelsen anser for nødvendig for at udarbejde et årsregnskab uden væsentlig fejlinformation, uanset om denne skyldes besvigelser eller fejl.

Ved udarbejdelsen af årsregnskabet er ledelsen ansvarlig for at vurdere universitetets evne til at fortsætte driften; at oplyse om forhold vedrørende fortsat drift, hvor dette er relevant; samt at udarbejde årsregnskabet på grundlag af regnskabsprincippet om fortsat drift, medmindre ledelsen enten har til hensigt at likvidere universitetet, indstille driften eller ikke har andet realistisk alternativ end at gøre dette.

### Revisors ansvar for revisionen af årsregnskabet

Vores mål er at opnå høj grad af sikkerhed for, om årsregnskabet som helhed er uden væsentlig fejlinformation, uanset om denne skyldes besvigelser eller fejl, og at afgive en revisionspåtegning med en konklusion. Høj grad af sikkerhed er et højt niveau af sikkerhed, men er ikke en garanti for, at en revision, der udføres i overensstemmelse med internationale standarder om revision og de yderligere krav, der er gældende i Danmark, samt standarderne for offentlig revision, jf. statens regnskabsregler, altid vil afdække væsentlig fejlinformation, når sådan findes. Fejlinformationer kan opstå som følge af besvigelser eller fejl og kan betragtes som væsentlige, hvis det med rimelighed kan forventes, at de enkeltvis eller samlet har indflydelse på de økonomiske beslutninger, som regnskabsbrugerne træffer på grundlag af årsregnskabet.

Som led i en revision, der udføres i overensstemmelse med internationale standarder om revision og de yderligere krav, der er gældende i Danmark, samt standarderne for offentlig revision, jf. statens regnskabsregler, foretager vi faglige vurderinger og opretholder professionel

skepsis under revisionen. Herudover:

- Identificerer og vurderer vi risikoen for væsentlig fejlinformation i årsregnskabet, uanset om denne skyldes besvigelser eller fejl, udformer og udfører revisionshandlinger som reaktion på disse risici samt opnår revisionsbevis, der er tilstrækkeligt og egnet til at danne grundlag for vores konklusion. Risikoen for ikke at opdage væsentlig fejlinformation forårsaget af besvigelser er højere end ved væsentlig fejlinformation forårsaget af fejl, idet besvigelser kan omfatte sammensværgelser, dokumentfalsk, bevidste udeladelser, vildledning eller tilsidesættelse af intern kontrol.
- Opnår vi forståelse af den interne kontrol med relevans for revisionen for at kunne udforme revisionshandlinger, der er passende efter omstændighederne, men ikke for at kunne udtrykke en konklusion om effektiviteten af universitetets interne kontrol.
- Tager vi stilling til, om den regnskabspraksis, som er anvendt af ledelsen, er passende, samt om de regnskabsmæssige skøn og tilknyttede oplysninger, som ledelsen har udarbejdet, er rimelige.

- Konkluderer vi, om ledelsens udarbejdelse af årsregnskabet på grundlag af regnskabsprincippet om fortsat drift er passende, samt om der på grundlag af det opnåede revisionsbevis er væsentlig usikkerhed forbundet med begivenheder eller forhold, der kan skabe betydelig tvivl om universitetets evne til at fortsætte driften. Hvis vi konkluderer, at der er en væsentlig usikkerhed, skal vi i vores revisionspåtegning gøre opmærksom på oplysninger herom i årsregnskabet eller, hvis sådanne oplysninger ikke er tilstrækkelige, modificere vores konklusion. Vores konklusion er baseret på det revisions-bevis, der er opnået frem til datoen for vores revisionspåtegning. Fremtidige begivenheder eller forhold kan dog medføre, at universitetet ikke længere kan fortsætte driften.

Vi kommunikerer med den øverste ledelse om bl.a. det planlagte omfang og den tidsmæssige placering af revisionen samt betydelige revisionsmæssige observationer, herunder eventuelle betydelige mangler i intern kontrol, som vi identificerer under revisionen.

#### Udtalelse om ledelsesberetningen

Ledelsen er ansvarlig for ledelsesberetningen (side 10 - 23), hoved- og nøgletal (side 41 - 44) og afrapportering af den strategiske rammekontrakt (side 45 - 52), herefter samlet som øvrige beretninger.

Vores konklusion om årsregnskabet omfatter ikke de øvrige beretninger, og vi udtrykker ingen form for konklusion med sikkerhed om de øvrige beretninger.

I tilknytning til vores revision af årsregnskabet er det vores ansvar at læse de øvrige beretninger og i den forbindelse overveje, om de øvrige beretninger er væsentligt inkonsistente med årsregnskabet eller vores viden opnået ved revisionen eller på anden måde synes at indeholde væsentlig fejlinformation.

Vores ansvar er derudover at overveje, om de øvrige beretninger indeholder krævede oplysninger i henhold til statens regnskabsregler.

Baseret på det udførte arbejde er det vores opfattelse, at de øvrige beretninger er i overensstemmelse med årsregnskabet og er udarbejdet i overensstemmelse med kravene i statens regnskabsregler. Vi har ikke fundet væsentlig fejlinformation i ledelsesberetningen.

#### Erklæring i henhold til anden lovgivning og øvrig regulering

##### Udtalelse om juridisk-kritisk revision og forvaltningsrevision

Ledelsen er ansvarlig for, at de dispositioner, der er omfattet af regnskabsaflæggelsen, er i overensstemmelse med meddelte bevillinger, love og andre forskrifter samt med indgåede aftaler og sædvanlig praksis. Ledelsen er også ansvarlig for, at der er taget skyldige økonomiske hensyn ved forvaltningen af de midler og driften af de aktiviteter, der er omfattet af årsregnskabet. Ledelsen har i den forbindelse ansvar for at etablere systemer og processer, der understøtter sparsommelighed, produktivitet og effektivitet.

I tilknytning til vores revision af årsregnskabet er det vores ansvar at gennemføre juridisk-kritisk revision og forvaltningsrevision af udvalgte emner i overensstemmelse med standarderne for offentlig revision. I vores juridisk-kritiske revision efterprøver vi med høj grad af sikkerhed for de udvalgte emner, om

de undersøgte dispositioner, der er omfattet af regnskabsaflæggelsen, er i overensstemmelse med de relevante bestemmelser i bevillinger, love og andre forskrifter samt indgåede aftaler og sædvanlig praksis. I vores forvaltningsrevision vurderer vi med høj grad af sikkerhed, om de undersøgte systemer, processer eller dispositioner understøtter skyldige økonomiske hensyn ved forvaltningen af de midler og driften af de virksomheder, der er omfattet af årsregnskabet.

Hvis vi på grundlag af det udførte arbejde konkluderer, at der er anledning til væsentlige kritiske bemærkninger, skal vi rapportere herom i denne udtalelse.

Vi har ingen væsentlige kritiske bemærkninger at rapportere i den forbindelse.

København, den 15. april 2021  
EY Godkendt Revisionspartnerselskab  
CVR-nr. 30 70 02 28

Peter Gath  
statsaut. revisor  
mne19718

Morten Weinreich Larsen  
statsaut. revisor  
mne42791



# BERETNING



## PRÆSENTATION

IT-Universitetet i København (herefter IT-Universitetet) er et selvejende universitet under Uddannelses- og Forskningsministeriet.

## MISSION

*IT-Universitetet har som sin mission at levere internationalt førende undervisning og forskning, som gør Danmark usædvanlig dygtig til at skabe værdi med it.*

Værdien skaber IT-Universitetet primært gennem it-forskning og it-uddannelse.

## VISION

*Vi skaber og deler viden, som er dyb og fører til banebrydende informationsteknologi og tjenester til gavn for menneskeheden.*

# STRATEGI

Kernen i IT-Universitetets strategi for årene 2017-2021 er at øge, så meget det er muligt, antallet af personer i Danmark, der skaber værdi med it på måder, som lever op til de standarder, der kendetegner førende it-forskning.

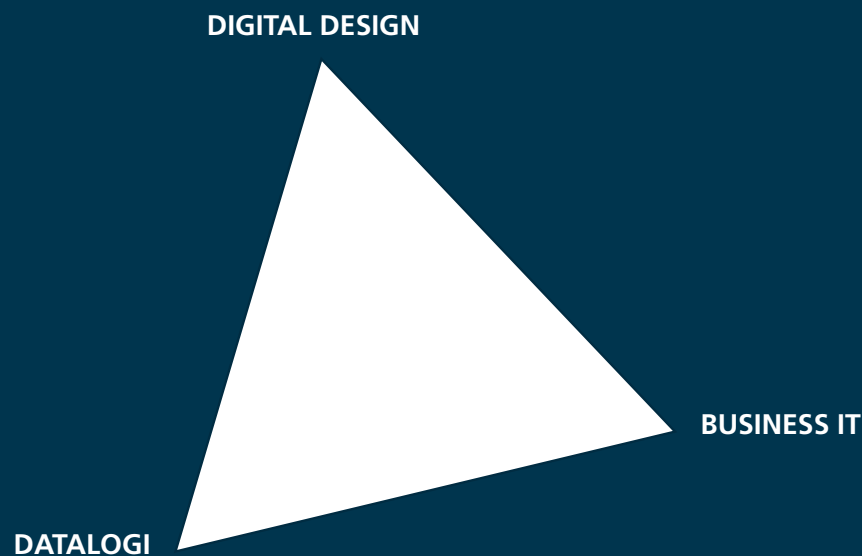
## Konkret arbejder IT-Universitetet med følgende indsatsområder:

1. Vækst i antallet af højtuddannede it-specialister
2. Flere kvindelige it-specialister
3. Kvalitet og relevans af alle uddannelser
4. Vækst i forskning inden for områder af stor samfundsmæssig betydning, specifikt:
  - a. Digitalisering
  - b. Informationssikkerhed
  - c. Data science
5. Styrkelse af it-fagene i folkeskolen og i de gymnasiale uddannelser.

### IT-Universitetets profil

*Essensen af informationsteknologien er skabelse, deling og håndtering af mentale forestillinger ved hjælp af digital teknologi.*

Det er således menneskets mentale forestillinger, man kan måske sige intellektet, der er i centrum i informationsteknologien. Nogle af disse forestillinger har deres rod i naturvidenskab og teknik, andre i humaniora og andre igen i den erhvervs-mæssige udnyttelse af it. Denne mangfoldighed af tilgange til it er udtrykt ved de tre hjørner i ITU-trekanten:



Dette syn på it er væsentligt for IT-Universitetets evne til at tiltrække et stort antal forskere og studerende. IT-Universitetet har, som universitet dedikeret til it, den helt særlige fordel at kunne samle disse meget forskellige tilgange til it i én organisation med fælles mål og strategi. Vores vision tilføjer, at de tre forskellige perspektiver alle skal bidrage til at skabe og dele viden, der er dyb og fører til banebrydende informationsteknologi og tjenester til gavn for menneskeheden.

IT-Universitetet har tre institutter, svarende til de tre hjørner i trekanten, nemlig Institut for Datalogi, Institut for Digital Design og Institut for Business IT.



### Arbejdet med uddannelsernes kvalitet og relevans

IT-Universitetet opnåede positiv institutionsakkreditering i 2016. Den positive institutionsakkreditering gælder til 2022.

Med institutionsakkrediteringen har IT-Universitetet fået systematiseret kvalitetsarbejdet betragteligt. IT-Universitetets kvalitetspolitik opstiller kvalitetsstandarder og beskriver processer, gennem hvilke afvigelser fra de fastsatte kvalitetsstandarder løbende identificeres og håndteres.

Planerne for anvendelsen af bevillingssystemets kvalitetstilskud i 2020 måtte tidligt på året justeres på grund af nedlukningen som følge af COVID-19. Fokus i 2020 har derfor

primært været at fastholde kvalitetsniveauet i undervisningen trods den bratte overgang til fuld online-undervisning i foråret og delvis online-undervisning i efteråret.

Kvalitetstilskuddet har medvirket til, at IT-Universitetet i 2020 har udviklet vejledninger til undervisere samt afholdt workshops og webinarer for undervisere og hjælpelærere om online-undervisning og online eksamen.

IT-Universitetets læringsenhed har desuden gennemført en kvalitativ analyse af online-undervisningen og på baggrund deraf formidlet en række råd og anbefalinger til undervisere til gavn for den fortsatte online-undervisning i foråret 2021. Analysens resultater vil desuden blive anvendt til at videreudvikle

blended learning, når det efter COVID-19 igen bliver muligt at fokusere på, hvordan fysisk og online undervisning bedst komplementerer hinanden og bidrager til øget kvalitet i uddannelserne.

Arbejdet med relevans sker i samarbejde med universitetets fem uddannelsesspecifikke aftagerpaneler samt det overliggende Executive-Level-aftagerpanel. Alle disse paneler har mødtes mindst to gange i 2020 og har afgivet rapporter til universitetet med vurderinger og anbefalinger. Tine Thorn, IT Udviklingschef hos AP Pension, tiltrådte i oktober 2020 som ny formand for Executive-Level-aftagerpanelet.

## BESTYRELSENS ARBEJDE

Bestyrelsens sammensætning så indtil udgangen af oktober således ud: Maria Rørbye Rønn (formand), Lars Mathiesen (næstformand), Kristine Stenhuus, Lars Frelle-Petersen, David Basin, Karina Garnier Christensen, Mircea Lungu, Sebastian Mateos Nicolajsen og Sophia Aumüller-Wagner.

Med udgangen af oktober fratrådte Maria Rørbye Rønn som bestyrelsesformand efter at have siddet i bestyrelsen i de maksimale otte år, og pr. 1. november tiltrådte Carsten Krogh Gomard som ny bestyrelsesformand. Lars Frelle-Petersen udtrådte af bestyrelsen med udgangen af 2020, og pladsen er pr. 1. april 2021 afløst af Christina Hvid. Karina Garnier Christensen og Sophia Aumüller-Wagner udtrådte af bestyrelsen ved udgangen af 2020 og er pr. 1. januar 2021 afløst af Anaya Mourad Jensen og Mikala Sofie Skoglund Thomsen.

Med afsæt i IT-Universitetets overordnede strategi for 2017-2021 har bestyrelsen i 2020 haft et særligt fokus på IT-Universitetets rolle for at imødekomme efterspørgslen efter højtuddannede it-specialister i Danmark, samt at opbygge forskningskapacitet inden for digitalisering, informationssikkerhed og data science. Bestyrelsen og ledelsen har haft en ambition om at øge optaget på universitetets uddannelser og har arbejdet målrettet for at skabe de nødvendige rammer herfor.

På bestyrelsesseminaret i september 2020 havde bestyrelsen en første drøftelse af pejlemærker i IT-Universitetets kommende strategi for 2022-2025. På mødet i november 2020 blev et første udkast til overordnede strategiske målsætninger godkendt og sendt i høring blandt medarbejdere og studerende. Denne høring afsluttes i februar 2021.

IT-Universitetets bestyrelse har fortsat fokus på kønsbalancen blandt studerende, og der var i 2020, ligesom i 2019, opsat mål for antal optagne kvindelige studerende på bacheloruddannelserne i Softwareudvikling og Data Science.

Endelig har bestyrelsen regelmæssigt drøftet IT-Universitetets arbejde med informationssikkerhed, herunder det generelle trusselniveau for sektoren – ikke mindst i lyset af COVID-19-nedlukningen og øget omfang af online undervisning og hjemmearbejde.

# STRATEGISK RAMMEKONTRAKT

Året 2020 var tredje år i perioden for den Strategiske Rammekontrakt 2018-2021. De strategiske mål for universitetets virke i kontraktperioden er:

1. Øge kapaciteten af forskningsbaseret uddannelse af tekniske it-specialister
2. Flere kvindelige tekniske it-specialister
3. Alle studerende skal opnå et højt læringsudbytte
4. Alle dimittender skal have gode karrieremuligheder
5. Styrkelse af it-forskningen inden for områder, der afspejler samfundsmæssige behov
6. Samarbejde og udveksling af viden med fokus på styrkelse af it-fag i folkeskolen og gymnasiet.

IT-Universitetet har udarbejdet en Statusredegørelse vedrørende 2020 for arbejdet med rammekontraktens mål med vurdering af fremskridtene i realiseringen af hvert af de seks strategiske mål. Konklusionerne fra Statusredegørelsen er gengivet i kapitlet [Afrapportering af den Strategiske Rammekontrakt for 2020](#).



# ÅRETS ØKONOMISKE RESULTATER

IT-Universitetets samlede realiserede indtægter er steget med 2,2 millioner kr. fra 2019 til 2020. Den reelle indtægtsfremgang har dog været på 18,5 millioner kr. Forskellen skyldes en teknisk bevillingsændring af den statslige huslejeordning, hvor de årlige huslejudgifter er reduceret med 16,3 millioner kr. og et tilsvarende beløb er modregnet i de statslige tilskud.

Resultatet før finansielle poster er på -5,4 millioner kr., hvilket er 16,1 millioner kr. bedre end budgettet på -21,5 millioner kr. De samlede udgifter er udover den tekniske huslejereduktion på 16,3 millioner kr. især påvirket af nedlukningen af campus og de generelle rejserestriktioner under COVID-19.

## Statstilskud og deltagerbetaling

Statstilskud og deltagerbetaling er 4,9 millioner kr. mindre end budgettet. Faldet skyldes først og fremmest ændringen af den statslige huslejeordning på universitetsområdet, hvor huslejebetalingen er reduceret til markedsniveau, og IT-Universitetets faste bevillinger er reduceret tilsvarende med 16,3 millioner kr.

Reduktionen i de faste bevillinger er modsvaret af en markant stigning i de aktivitetsbestemte tilskud på 11,0 millioner kr. i 2020. Stigningen skyldes dels øget studieaktivitet under COVID-19 og dels et øget optag, som er finansieret af midlertidige bevillinger fra ministeriets centrale STEM-pulje og regeringens COVID-19-midler.

## Eksterne forskningsmidler

Indtægterne fra eksternt finansieret forskning på 38,4 millioner kr. oversteg budgettet på 33,4 millioner kr. med 5,0 millioner kr.

De samlede projektkomkostninger er sammensat af 73 pct. personaleomkostninger, 5 pct. driftsomkostninger og 22 pct. overheadbidrag til bygninger, it og administration m.m.

## Andre indtægter

Fremlejeindtægter og øvrige indtægter på 8,6 millioner kr. er 1,3 millioner kr. mindre end budgettet. Det skyldes primært COVID-19-restriktioner, der siden marts har betydet en meget begrænset adgang til universitetet, hvilket især har påvirket aktiviteter som udlejning af mødelokaler, ITU Professional Courses og erhvervsamarbejde mellem studieadministrationen og virksomheder.

## Personaleomkostninger

Personaleomkostninger på 236,6 millioner kr. overstiger budgettet på 222,9 millioner kr. med 13,7 millioner kr., heraf alene 6,1 millioner kr. til ansættelser på eksternt finansierede forskningsprojekter.

Personaleomkostninger til videnskabelige medarbejdere overstiger budgettet med 3,0 millioner kr., herunder øgede omkostninger

TABEL 1: Årets økonomiske resultater (DKK M)

	Realiseret 2018	Realiseret 2019	Realiseret 2020	Budget 2020	Budget 2021
Indtægter	298,9	340,5	342,7	343,8	355,6
Statstilskud og deltagerbetaling	259,0	294,4	295,6	300,5	301,3
Eksterne forskningsmidler	29,9	36,1	38,4	33,4	40,3
Andre indtægter	9,9	10,1	8,6	9,9	14,0
Udgifter	299,5	334,1	348,0	365,4	364,0
Personaleomkostninger	191,9	210,4	236,6	222,9	240,6
Andre ordinære driftsomkostninger og afskrivninger	107,6	123,7	111,4	142,5	123,4
Resultat før finansielle poster	-0,5	6,5	-5,4	-21,5	-8,4
Finansielle poster	-1,4	2,8	2,1	0,9	0,9
Resultat	-2,0	9,3	-3,3	-20,6	-7,5
Egenkapital pr. 31. december	74,2	83,5	80,2	62,9	72,7

\*Egenkapital pr. 31. december for budget 2020 og 2021 er justeret på baggrund af det realiserede resultat i 2019 og 2020.

til hjælpelærere m.fl., der har understøttet omlægningen fra fysisk til online-undervisning (1,2 millioner kr.) samt fokus på rekruttering til bemanning af kurser (1,8 millioner kr.).

Personaleomkostningerne til teknisk-administrative medarbejdere overstiger budgettet med 2,4 millioner kr. Der er primært tale om rekruttering til bygningsdrift forbundet med udvidet campus samt opnormering af forsker- og institutledersupport.

Øvrige personaleomkostninger er 3,0 millioner kr. højere end budgetteret. Det skyldes både en stigning i antallet af ansatte og afholdelse af færre feriedage end sædvanligt i 2020.

#### **Andre ordinære driftsomkostninger og afskrivninger**

Andre ordinære driftsomkostninger på 111,4 millioner kr. er 31,1 millioner kr. mindre end budgettet på 142,5 millioner kr.

Den markante afvigelse skyldes først og fremmest ændringen i den statslige huslejeordning på universitetsområdet, hvor

den årlige huslejebetaling er reduceret med 16,3 millioner kr. og faste statstilskud reduceret tilsvarende.

I overensstemmelse med den statslige regnskabspraksis er hensættelsen til reetablering af Ruud Langgaards Vej på 2,9 millioner kr. bortfaldet og indtægtsført i forbindelse med ændringen.

En række andre driftsomkostninger er påvirket af COVID-19-restriktioner. Et par nævneværdige eksempler er:

- Markedsføringsudgifterne er reduceret med 1,1 millioner kr. i forhold til 2019, da mange opsøgende aktiviteter blev aflyst eller omlagt til online-arrangementer.
- Rejseudgifter er reduceret med 4,1 millioner kr. i forhold til 2019 grundet COVID-19-rejserestriktioner.
- Udgifter til husleje og bygningsdrift, herunder etablering af udvidet campus blev 6,2 millioner kr. mindre end forventet. Det skyldes primært forsinket overtagelse af nyt lejemål samt lavere udgifter til vedligehold, renhold og energi grundet nedlukningen i store dele af 2020.

Derudover er etablering af nyt serverrum med budget på 3,5 millioner kr. forsinket. Projektet bliver færdiggjort i 2021.

Endeligt har IT-Universitetet i overensstemmelse med den statslige regnskabspraksis anlægsført en række større anskaffelser for 1,4 millioner kr. forbundet med det udvidede campus, dvs. anskaffelserne vil blive afskrevet og udgiftsført over en længere årrække.

#### **Finansielle poster**

De finansielle poster overstiger budgettet på 0,9 millioner kr. med 1,2 millioner kr.

#### **Likviditet**

IT-Universitetets likvide midler er steget fra 46,1 millioner kr. til 88,0 millioner kr., hvilket primært skyldes en stigning i forudbetalte bundne tilskud vedrørende eksternt finansieret forskning.

# ÅRETS FAGLIGE RESULTATER

## FORSKNING

Forskningen på IT-Universitetet har haft stor gennemslagskraft i 2020. Det er blandt andet sket gennem synlighed i medierne, deltagelse i debatter og ved oprettelse af et nyt forskningscenter, Center for Computing Education Research. Det er desuden yderst positivt, at forskerne på IT-Universitetet har tiltrukket eksterne forskningsmidler i en størrelsesorden, som aldrig set før. Desuden ligger alle IT-Universitetets forskningspublikationer endnu engang åbent tilgængelige.

Nedenfor er en kort status over IT-Universitetets forskning i 2020.

### Priser og forskningsformidling

En række forskere har modtaget priser og anerkendelser for deres forskningsindsats i 2020. Bent Flyvbjerg blev IT-Universitetets første æresdoktor. Bent Flyvbjerg er professor og akademisk leder for Oxford Universitets forskning og uddannelser i Major Programme Management, og han står for banebrydende forskning i projektstyring, også på it-området. Bent Flyvbjerg er den mest citerede forsker i verden inden for ledelse af store projekter. Han er forfatter eller redaktør til 10 bøger og mere end 200 artikler i faglige tidsskrifter.

Professor Philippe Bonnet blev tildelt den prestigefulde SIGMOD Contributions Award for sin databaseforskning. SIGMOD Contributions Award er en af verdens mest prestigefulde anerkendelser inden for forskning i databaser og bliver uddelt af ACM's

fokusgruppe for databaser. Philippe Bonnet modtager prisen for sit innovative bidrag til forskning i videnskabelig reproducerbarhed i publikationer om databaser.

Professor Roman Beck er blandt de mest betydningsfulde akademikere inden for sit felt ifølge en international rangliste. Det tyske erhvervsmagasin WirtschaftsWoche havde Roman på en liste over de 100 bedste tyske, østrigske og schweiziske forskere inden for virksomhedsadministration.

IT-Universitetets forskere Morten Hjelholt og Jannick Schou er blevet tildelt den internationale "Herbert Gottweis"-pris for en kritisk analyse af danske digitaliseringsstrategier. Digitaliseringens politiske indflydelse på, hvordan vi som borgere agerer i forhold til staten og omvendt, er blevet ignoreret – eller i hvert fald kraftigt undervurderet, argumenterer de for i forskningsartiklen "Digitalizing the welfare state: citizenship discourses in Danish digitalization strategies from 2002 to 2015". Den internationale "Herbert Gottweis"-pris er en hæder for den bedste kritiske, politiske forskningsartikel, og den uddeles af det internationale akademiske forlag Taylor & Francis.

Lektor Roberta Sinatra modtog Complex Systems Society's Junior Scientific Award for sit pionerbidrag til forskning om videnskab og succes. Robertas forskning om videnskab og succes har haft stor indflydelse inden for flere forskningsområder fra "network science" til "computational social science".

Professor Thore Husfeldt repræsenterer IT-Universitetets bidrag til det nye storstilede onlineleksikon, lex.dk. Den Store Danske, Trap Danmark og en række andre opslagsværker er blevet relanceret på onlineplatformen lex.dk. Dermed får alle i Danmark fri digital adgang til mere end 200.000 reklamefrie artikler, som bliver opdateret af landets førende forskere. Det sker efter aftale med kulturministeren samt børne- og undervisningsministeren.

Steffen Dalsgaard, Helena Karasti og Dag Svanæs blev i 2020 udnævnt til professorer ved IT-Universitetet. Steffen Dalsgaard forsker i, hvordan digitale teknologier påvirker det sociale og kulturelle liv. Helena Karastis forskningsdomæne omfatter participatory design og computer supported collaborative work. Dag Svanæs forsker i human-computer interaction.

IT-Universitetets forskere har ofte bidraget i medierne i 2020 om fx blockchain teknologi, computerspil, kunstig intelligens og data- og it-sikkerhed. Dokumentaren "Kill Chain: The Cyber War on America's Elections", som havde premiere på HBO Nordic i 2020, hudfletter it-sikkerheden i det amerikanske valgsystem. IT-Universitetets professor Carsten Schürmann var at finde i en af filmens scener, hvor han uden synderligt besvær hacker en amerikansk valgmaskine. Carsten kendte i forvejen valgmaskinens svagheder, så på få minutter havde han fået fuld kontrol over den.

Forskningsprojektet "Data as Relation" lancerede en podcastserie, som handler

om det offentlige brug af big data. Over fem afsnit går forskerne i dybden med emner som overvågning, GDPR, big data i medieverdenen og tech-verdenens forestillinger om fremtiden. Forskningsprojektet undersøger, hvordan big data genereres, forhandles og anvendes i forbindelse med digitaliseringen af den offentlige sektor, og arbejder med en hypotese om, at digitaliseringen indebærer, at staten genopfindes og ikke bare opgraderer en tidligere version af sig selv. Adjunkt James Maguire inviterer i hvert afsnit en forsker i studiet til en snak om den forskning, der inspirerer projektet, og de perspektiver, forskningen giver.

Cyberangreb er blandt de mest udtalte trusler mod Danmark, fremgår det af den årlige risikovurdering fra Forsvarets Efterretningstjeneste. Truslen fra cyberkriminalitet og cyberspionage er både rettet mod danske virksomheder og myndigheder. Professor i cybersikkerhed Carsten Schümann var på TV2 med budskabet, at der de seneste 20 år ikke er gjort nok for at sikre kritisk infrastruktur mod hackerangreb.

I løbet af 2020 er der kommet en ny PlayStation og Xbox i butikkerne. De nye store konsoller vil få betydning for hele spilindustrien, fordi de sætter barren for, hvordan de største computerspil kommer til at se ud og fungere. Spillene bliver mere realistiske i fremtiden, udtalte lektorerne Martin Pichlmair og Pawel Grabarczyk sig om til DR.

Danmark har en indikator for Open Access publicering af forskningsresultater. IT-Universitetet blev igen en klar nummer ét blandt alle danske universiteter, da de nyeste indikatorene blev offentliggjort i 2020. For andet år i træk var alle IT-Universitetets publikationer registreret som Open Access, mens det næstbedste danske universitet havde registreret 73 pct. af deres publikationer som Open Access og landsgennemsnittet var 52 pct.

#### Ekstern forskningsfinansiering

IT-Universitetet fik i 2020 tildelt eksterne forskningsbevillinger for i alt 88,8 millioner kr., hvilket overgår det hidtil største årlige hjemtag i universitetets historie fra 2019 med over 25 millioner kr. Nedenfor nævnes nogle af de eksternt støttede projekter, der blev igangsat i 2020 eller vil blive igangsat i 2021, samt IT-Universitetets tildelte bevillinger for hver af disse.

Professor Andrzej Wasowski hjemtog 6,6 millioner kr. af en samlet bevilling på 30 millioner kr. fra EU's rammeprogram H2020 (Marie Skłodowska-Curie Actions ITN) til projektet med titlen REMARO, hvor IT-Universitetet er koordinator. Formålet med projektet er at udvikle en fælles europæisk uddannelse af 15 ph.d.'er, der skal udvikle undervandsrobotter, der fx kan bruges til forureningsbekæmpelse.

Lektor Bernardo Machado David modtog 6,2 millioner kr. fra Danmarks Frie Forskningsfonds Sapere-Aude-program til

projektet "Foundations of Privacy Preserving and Accountable Decentralized Protocols". Formålet med projektet er at fokusere på problemet med at behandle følsomme data, som skal forblive private, samtidig med at det bliver muligt at kontrollere, at dataene ikke misbruges.

Lektor Pinar Tözün modtog 6,2 millioner kr. og 3,3 millioner kr. fra Danmarks Frie Forskningsfonds Sapere-Aude-program og Inge Lehmann-program til projektet "RAD: Resource-Aware Data Science". Formålet med projektet er at udvikle nye teknikker til at reducere data science forskeres hardware-behov markant, så de kan bruge og dele deres hardware-ressourcer mere effektivt og derved formindske CO2-fodaftryk.

Lektor Roberta Sinatra modtog 5,9 millioner kr. fra VILLUM FONDENS prestigefulde VILLUM Young Investigator-program til projektet "Bias Explained: Pushing Algorithmic Fairness with Models and Experiments". Formålet med projektet er at afdække forholdet mellem forskeres resultater og succes inden for udvalgte videnskaber.

Professor Philippe Bonnet og lektor Pinar Tözün hjemtog 3,8 millioner kr. fra EU's rammeprogram H2020 til projektet Daphne, hvor IT-Universitetet er partner. Formålet med projektet er at opbygge et beslutningsanalytisk netværk for deltagende og integreret planlægning.

Professor Yvonne Dittrich modtog 3,6 millioner kr. fra Innovationsfonden (bilateralt samarbejde uden for Europa) til det interdisciplinære projekt "Sustainable Irrigation Advisories for Mid-Himalayan Farmers using Smart Satellite Image Analytics". Projektet har til formål at udvikle rådgivning til bæredygtig kunstvanding hos landmænd i midt-Himalaya ved at udvikle funktionalitet baseret på analyse af satellitbilleder.

Lektor Jichen Zhu modtog 3,2 millioner kr. fra Novo Nordisk Fondens Start Package-program til projektet "AI to design novel intelligent user experience (IUX) for wellbeing". Formålet med projektet er at etablere en interdisciplinær forskergruppe på IT-Universitetets institut for Digital Design.

Lektor Zsolt István modtog 3,2 millioner kr. fra Novo Nordisk Fondens Start Package-program til projektet "Privacy through Co-Design for Real-World Data Analytics in the Cloud". Projektet har til formål at reducere omkostningerne ved dataovervågning og sporing i diverse applikationer, der anvendes til at håndhæve privatlivets fred og databeskyttelse.

Professor Kasper Støy modtog 3,0 millioner kr. fra EU's rammeprogram H2020 til projektet "BIG-MAP: Battery Interface Genome - Materials Acceleration Platform", hvor IT-Universitetet er partner. Projektet lover et resultat, hvor tempoet for udvikling

af sikrere, længerevarende og bæredygtige ultrahøjtydende batterier vil stige voldsomt.

Lektor Søren Debois har modtaget 2,9 millioner kr. fra Danmarks Frie Forskningsfond til projektet "Distrust: Distributed business process execution under partial trust". Projektets overordnede mål er at finde metoder til at have effektive it-systemer, der fungerer med mange deltagere og mange transaktioner, selvom alle deltagere ikke stoler fuldt ud på hinanden.

Adjunkt Christoph Seidl har modtaget 2,9 millioner kr. fra Danmarks Frie Forskningsfond til projektet "Immersive Software Archaeology (ISA) – Guided Exploration of Legacy Systems in 3D Virtual Reality". Projektet vil skabe en virtual reality repræsentation af et software-system, der kan udforskes interaktivt, fx en by med bygninger og gader, der repræsenterer moduler, funktioner og afhængigheder.

Lektor Rachel Douglas-Jones har modtaget 2,8 millioner kr. fra Danmarks Frie Forskningsfond til projektet "Moving Data-Moving People: Reorganizing Trust through China's Social Credit System". Projektet vil blandt andet bidrage med ny viden om kulturelt forankret forståelse af samspillet mellem teknologi og tillid i Kina samt en nyfortolkning af vilkårene for Kinas mobile befolkning, i takt med at de opnår en livsstil, der minder om middelklassens.

### Nye forskningscentre

IT-Universitetet har i 2020 etableret et nyt internt forskningscenter, Center for Computing Education Research. Desuden indgår IT-Universitetet i det nye nationale center for forskning i digitale teknologier, DIREC, og i det nyetablerede europæiske netværk for AI, ELLIS.

#### *Center for Computing Education Research*

Mange mennesker bliver skræmte bare ved tanken om at lære om it, fx et programmeringssprog. Men sådan behøver det faktisk ikke at være. Center for Computing Education Research (CCER) skal fremme teknologiforståelsen og øge lysten til at lære om it i en tid, hvor der er mangel på digitale kompetencer. Centeret er forankret på IT-Universitetet, hvor en tværfaglig forskergruppe vil skabe den fornødne viden til at sikre, at unge under uddannelse bliver dus med it-begreber som programmering, it-sikkerhed og kunstig intelligens, samt hvordan disse begreber påvirker vores hverdag og det samfund, vi lever i.

#### *DIREC*

IT-Universitetet er en del af det nationale forskningscenter for digitale teknologier, Digital Research Centre Denmark (DIREC), som på flere måder er helt unikt. Dels er det første gang, at næsten alle datalogiske forskningsmiljøer på danske universiteter er gået sammen om at etablere et forskningscenter. Dernæst er Innovationsfondens bevilling på 100 millioner kr. til centeret den største i fondens

historie. Centeret vil bidrage til at løse Danmarks store kapacitetsudfordring inden for det digitale område ved at tiltrække udenlandske talentfulde forskere og ved at uddanne flere kandidater og forskere. Derudover vil DIREC samarbejde med danske private og offentlige virksomheder og bringe ny viden og de nyeste digitale teknologier i spil hos dem.

#### *ELLIS*

Professor Sebastian Risi er en del af et nyt europæisk netværk inden for kunstig intelligens og machine learning, European Laboratory for Learning and Intelligent Systems (ELLIS). Netværket ELLIS samler områdets dygtigste europæiske forskere, der sammen skal sikre Europas fodfæste inden for kunstig intelligens. I alt 10 europæiske lande er repræsenteret i form af 17 forskellige enheder. Den nye enhed i København består af forskere fra IT-Universitetet, Danmarks Tekniske Universitet og Københavns Universitet. ELLIS har ambition om at udnytte de forsknings- og investeringsmuligheder, der er i Europa, fremfor i USA og Kina.

### Værdifulde forskningsresultater

Et omfattende studie af 1,5 millioner forskeres karrierer viser, at kvinder og mænd i gennemsnit producerer lige mange videnskabelige artikler årligt, men at kvinderne forlader forskerkarrieren tidligere. Lektor Roberta Sinatra, som er medforfatter til studiet, mener at beslutningstagere bør kigge nærmere på årsagerne til, at kvinderne forlader den akademiske verden.

En udbredt teknologi, der er udviklet til at skabe indhold til videospil, kan bruges til at lære robotter at løse nye opgaver. Det skriver professor ved IT-Universitetet Sebastian Risi i en artikel, der blev udgivet i det anerkendte videnskabelige tidsskrift "Nature Machine Intelligence". Risi har skrevet artiklen i samarbejde med den tidligere forsker på IT-Universitetet Julian Togelius, der i dag er lektor på New York University. Ifølge forfatterne kan "Procedural Content Generation" gøre det lettere at træne robotters evner til at løse en given opgave i en computersimulation.

Tech-virksomheder skal lære at tale om de etiske aspekter af deres produkt. Det mener lektor Irina Shklovski, der har stået i spidsen for et nyligt afsluttet forskningsprojekt, der skal klæde udviklere på til at træffe etiske beslutninger. I tre år har forskere på IT-Universitetet og samarbejdspartnere fra fire institutioner udviklet konkrete redskaber til virksomheder, der laver produkter forbundet til Internet of Things (IoT). Med redskaberne bliver det lettere for designerne at tage stilling til etiske problemer og samfundsmæssige udfordringer helt fra begyndelsen af designfasen.

Lektor ved IT-Universitetet Leon Derczynski har sammen med en engelsk forskningsgruppe påvist, at der på dage med mange tweets om depression og skizofreni er flere henvendelser på to psykiatriske krisecentre i London. Forskernes studie er blevet offentliggjort i et af verdens mest anerkendte videnskabelige magasiner, "Nature's Scientific Reports".

Studiet er udført i samarbejde med flere engelske forskergrupper og ledet af Dr. Anna Kolliakou fra King's College London.

Der har været fald i antallet af bibliometriske forskningsindikatorpoint (BFI-point), der opgøres af Styrelsen for Forskning og Uddannelse med næsten et års forsinkelse. Der er opgjort 194 point for året 2019 mod 255 året før, jf. tabel 2. Der har været en lille vækst, hvad angår antal publikationer med censur, da der i 2020 var registreret 254 censurerede publikationer mod 234 i 2019.

Der har været en stigning i antallet af eksternt finansierede forskningsprojekter fra 93 i 2019 til 100 i 2020. Samtidigt har der været et lille fald i antallet af samarbejdsprojekter med erhvervslivet fra 37 i 2019 til 33 i 2020 mens det økonomiske samarbejde med erhvervslivet er øget fra 15,1 millioner kr. i 2019 til 15,7 millioner kr. i 2020.

Der blev i 2020 anmeldt én opfindelse ligesom i 2019. Der blev ikke indgivet patentansøgninger i 2020, hvor der i 2019 blev indgivet én patentansøgning. Ligesom i 2019 modtog IT-Universitetet ingen patenter i 2020, jf. tabel med hoved- og nøgletal.



### Entreprenørskab

IT-Universitetet er et af flere danske universiteter, der deltager i projektet "Åbent Entreprenørskab", der handler om at øge innovationen i danske virksomheder med forskningsbaseret viden. Initiativet er støttet af Industriens Fond og bidrager til IT-Universitetets etablering af en innovationsenhed. Innovationsenheden har i 2020 modtaget tilskud til udvikling af en entreprenørskabsstrategi fra Fonden for Entreprenørskab. Dette arbejde vil blive udført i 2021. Derudover er der etableret en model for virksomheders medlemskaber af IT-Universitetets forskningscentre.

### Ph.d.-skolen

I 2020 optog IT-Universitetet 22 nye ph.d.-studerende og 12 ph.d.er dimitterede. Flere af Ph.d.-skolens studerende gjorde sig bemærket i 2020. En af de ph.d.-studerende, Sunniva Sandbukt, modtog EliteForsk-rejsestipendiet på 200.000 kr., der anvendes til et ophold ved University of California, Irvine. Sunniva forsker i digitale betalingsplatformes sociale infrastruktur samt den kulturelle betydning sådanne platforme tillægges i en urban sammenhæng, her med vægt på Indonesien.

Året 2020 var præget af COVID-19. Med denne prægning har Ph.d.-skolen fokuseret på at imødekomme de ph.d.-studerendes mange og forskelligartede udfordringer ved, blandt andet at udvikle og omlægge visse af ph.d.-uddannelsens elementer til et undtagelsesvist, digitalt format. Heri inkluderet nye guidelines for digitale/hybride ph.d.-forsvar. Ph.d.-skolen øgede endvidere sin indsats som social samlende kraft ved at afholde digitale kaffe- og lunch-møder med emner, der på forskellig vis henvender sig til IT-Universitetets ph.d.-studerende.

**TABEL 2: Videnskabelige årsværk, ph.d.-afhandlinger og publikationer**

	2016	2017	2018	2019	2020
Optagne ph.d.-studerende	18	15	13	20	22
Godkendte ph.d.-afhandlinger	15	11	13	10	12
Ph.d.-studerende (årsværk)	32	39	33	40	41
Adjunkter, lektorer og professorer (årsværk)	76	77	86	94	107
Publikationer (med censur)	231	230	256	234	254
Publikationspoint	236	248	255	194	*

\* Tal fra Styrelsen for Forskning og Uddannelse er desværre ikke til rådighed ved Årsrapportens afslutning.

## UDDANNELSE

IT-Universitetet har oplevet særdeles god søgning i forhold til det samlede studentertal, som universitetets økonomiske rammer muliggør. I 2020 modtog IT-Universitetet 1.807 ansøgninger til universitetets bacheloruddannelser – det højeste antal nogensinde – samt 1.195 ansøgninger til universitetets kandidatuddannelser.

I forbindelse med indførelsen af den internationale dimensionering blev adgangskravet i forhold til danskundskaber på bacheloruddannelserne i Data Science og Global Business Informatics skærpet i 2019. I 2020 blevet adgangskravet på bacheloruddannelsen i Data Science ændret tilbage, således at engelsksprogede ansøgere igen kunne søge ind. Dette har medført, at det samlede ansøgstal på bacheloruddannelsen i Data Science i 2020 igen er på niveau med ansøgstallet i 2018.

Politiske aftaler om økonomiske engangspuljer i forhold til STEM-uddannelser og COVID-19 har gjort det muligt at optage omkring 70 yderligere bachelorstuderende i 2020 i forhold til 2019.

Det samlede antal indskrevne bachelor- og kandidatstuderende er stigende, og ligeledes er antallet af færdiguddannede bachelorer og kandidater steget betydeligt fra 2019 til 2020, jf. tabel 3. Dette er sket på trods af forårets COVID-19 nedlukning, som medførte, at al undervisning og eksamen i forårssemestret fra marts 2020 blev omlagt til online afvikling.

Søgningen til IT-Universitetets deltidsuddannelse, Master i It-ledelse, er fortsat tilfredsstillende. Revision af uddannelsen blev sat i gang i 2019, og den udbydes i en revideret udgave i 2021. Det samlede antal indskrevne master- og diplomstuderende samt antallet af optjente årselever har været faldende over flere år, idet IT-Universitetet har stoppet optagelsen af studerende på diplomuddannelsen og to masteruddannelser.

Bestyrelsen besluttede i september 2020 at åbne en ny kandidatuddannelse i Data Science i 2021.

**TABEL 3: Indskrevne studerende, STÅ, årselever, dimitterede og gennemførelstider**

	2016	2017	2018	2019	2020
Ansøgere til kandidatstudierne	1.881	1.707	1.217	1.130	1.195
Optagne kandidatstuderende	479	498	517	507	536
Indskrevne kandidatstuderende	1.106	1.049	1.088	1.123	1.164
Færdiguddannede kandidater	414	470	380	391	454
Gennemførelstid, kandidater (år)	2,3	2,0	1,8	1,8	1,8
Ansøgere til bachelorstudierne	1.165	1.715	1.787	1.577	1.807
Optagne bachelorstuderende	273	333	341	364	433
Indskrevne bachelorstuderende	682	762	861	963	1.099
Færdiguddannede bachelorer	169	169	156	169	228
Gennemførelstid, bachelorer (år)	2,8	2,8	2,8	2,8	2,8
Antal STÅ (heltdsstuderende)	1.361	1.357	1.445	1.582	1.702
Optagne master-/diplomstuderende	69	52	40	42	41
Indskrevne master-/diplomstuderende	567	493	431	243	200
Antal årselever (deltidsstuderende)	96	75	94	68	54

*Note: STÅ er opgjort pr. 31. august. Studerende og færdiguddannede er opgjort pr. 30. september. Gennemførelstiden, som er 1,8 år for kandidater, er beregnet som medianen af antal påbegyndte studiemåneder for studerende, der afslutter en kandidatuddannelse i perioden 1. oktober til 30. september. Tilsvarende metode er anvendt for bachelorer.*

## FORVENTNINGER TIL DET KOMMENDE ÅR

Den nuværende strategi for IT-Universitetet udløber i 2021, og arbejdet med en ny strategi for 2022-2025 er gået i gang. I foråret 2021 involveres medarbejdere og studerende i strategiarbejdet, og strategien forventes at være på plads i juni 2021. Parallelt hermed indledes forhandlinger med Uddannelses- og Forskningsministeriet om en ny strategisk rammekontrakt for 2022-2025.

IT-Universitetet underskrev i december 2019 lejeaftale med DR om leje af cirka 9.300 kvadratmeter i DR Byen. Lejemålet ligger i umiddelbar nærhed af universitetets nuværende bygning og vil huse lokaler til undervisning, forskning og administration. Lejemålet sikrer mulighed for, at IT-Universitetet kan øge aktiviteterne i de kommende år. Lejemålet blev overtaget den 1. marts 2020, og indflytningen blev gennemført lige efter sommerferien 2020.

I 2020 har IT-Universitetet markant øget det samlede volumen af eksternt finansierede forskningsprojekter, og universitetet vil i 2021 fortsat arbejde på at tiltrække eksternt finansierede forskningsprojekter samt sikre økonomisk bæredygtighed i forhold til hjemtag af eksterne forskningsmidler.

Budgettet for 2021 viser et underskud på 7,5 millioner kr. med en tilhørende prognose for egenkapital pr. 31. december 2021 på 72,7 millioner kr., jf. tabel 1. Underskuddet skyldes primært en forsinkelse i fremleje af ledige lokaler efter udvidelsen af campus i 2020.





# REGNSKAB



# ANVENDT REGNSKABSPRAKSIS

## Regnskabsgrundlag

Årsrapporten for IT-Universitetet er udarbejdet i overensstemmelse med bekendtgørelse nr. 1021 af 24. juni 2020 om tilskud og revision m.v. ved universiteterne.

Regnskabspraksis er uændret i forhold til sidste år.

## Generelt om indregning og måling

Aktiver indregnes i balancen, når det er sandsynligt, at fremtidige økonomiske fordele vil tilflyde universitetet, og når aktivets værdi kan måles pålideligt.

Forpligtelser indregnes i balancen, når det er sandsynligt, at fremtidige økonomiske fordele vil fragå universitetet, og når forpligtelsens værdi kan måles pålideligt.

Ved første indregning måles aktiver og forpligtelser til kostpris. Efterfølgende måles aktiver og forpligtelser, som beskrevet for hver enkelt regnskabspost.

Ved indregning og måling tages der hensyn til alle sandsynlige økonomiske fordele og forpligtelser, der fremkommer inden årsrapporten aflægges, og som be- eller afkræfter forhold, der eksisterer på balancedagen.

## Omregning af fremmed valuta

Tilgodehavender, gæld og andre poster i fremmed valuta, som ikke er afregnet på balancedagen, omregnes til balancedagens valutakurs.

## Selskabsskat og udskudt skat

IT-Universitetet er ikke skattepligtigt.



## RESULTATOPGØRELSEN

### INDTÆGTSTYPER

#### Generelt

IT-Universitetets indtægter omfatter statslige tilskud til basisforskning, taxameterindtægter til undervisning og øvrige bevillinger. Derudover modtages donationer og tilskud, indtægter ved samarbejdsaftaler, deltagerbetaling for deltidsuddannelse samt indtægter ved salgsvirksomhed i øvrigt.

#### Statslige tilskud

IT-Universitetet er en tilskudsberettiget institution, og årets statstilskud fremgår af den årlige finanslov. Tilskud indregnes som indtægt i den periode, de vedrører.

Taxameterindtægterne udbetales med acantobeløb hver måned på baggrund af forventede studenterårsværk. Hvert år i oktober opgøres den faktuelle optjening af studenterårsværk, og de modtagne acantobetalingen reguleres.

#### Eksterne tilskud og donationer

Modtagne tilskud og tilsagn, herunder indtægter fra samarbejdsaftaler, hvor der fra givers side er knyttet betingelser til anvendelsen, indregnes som indtægt i takt med, at omkostningerne afholdes.

Tilskud, hvortil der ikke er knyttet betingelser, indregnes som indtægt på tidspunktet for modtagelsen.

#### Finansielle indtægter

Finansielle indtægter består af afkast i form af renter og udbytte fra investeringer i aktier, obligationer og investeringsforeningsbeviser samt kursreguleringer til værdipapirer, som optages til de enkelte papirers officielle kurser på statusdagen.

#### Deltagerbetaling ved deltidsuddannelse, salgsvirksomhed i øvrigt samt huslejeindtægter

Indtægten indregnes i den periode, indtægten vedrører.

### OMKOSTNINGER

Omkostninger omfatter de eksterne omkostninger, der er medgået til årets aktivitet. De omfatter personaleomkostninger, forbrugsvarer, tjenesteydelser, forsikringspræmier, vedligeholdelsesomkostninger og øvrige driftsomkostninger ved at drive universitetet.

## BALANCEN

### Immaterielle anlægsaktiver

Software aktiveres, når den er central for universitetets opgavevaretagelse samt har en væsentlig størrelse og levetid.

Kun omkostninger, der relaterer sig til udviklingsprocessen, og som resulterer i en reel værdiforøgelse, aktiveres. Omkostninger afholdt i start- og driftsfasen udgiftsføres.

Software måles til kostpris med fradrag af akkumulerede afskrivninger. Afskrivningsgrundlaget fordeles lineært over aktivernes forventede levetid fra det tidspunkt, aktiverne er klar til brug. Den forventede levetid udgør fem år.

### Materielle anlægsaktiver

It- og Av-udstyr, maskiner og inventar samt indretning af lejede lokaler måles til kostpris med fradrag af akkumulerede afskrivninger.

Kostpris omfatter købspris og omkostninger direkte tilknyttet anskaffelsen, samt omkostninger til klargøring.

Afskrivningsgrundlaget fordeles lineært over aktivernes forventede brugstid, der udgør:

It- og Av-udstyr .....3 år  
Maskiner, it-systemer og inventar .....5 år  
Indretning af lejede lokaler .....10 år

Aktiver med en anskaffelsessum under 100.000 kr. udgiftsføres i anskaffelsesåret. I den forbindelse foretager IT-Universitetet ikke bunkning af aktiver.

### FINANSIELLE ANLÆGSAKTIVER

#### Kapitalandele i dattervirksomheder

Virksomheder, i hvilke universitetet besidder flertallet af stemmerettighederne eller på anden måde øver bestemmende indflydelse, betragtes som dattervirksomheder. Kapitalandele i dattervirksomheder indregnes og måles til kostpris.

#### Nedskrivninger

Den regnskabsmæssige værdi af immaterielle, materielle og finansielle anlægsaktiver vurderes årligt for at afgøre, om der er indikation på værdiforringelse. Tab ved værdiforringelse indregnes i resultatopgørelsen.

#### Værdipapirer

Værdipapirer omfatter investeringer i obligationer, aktier og investeringsforeningsbeviser, som indregnes i henhold til de enkelte papirers officielle kurser på statusdagen inklusiv vedhængende rente.

#### Samlinger og kunstværker

IT-Universitetet har modtaget kunstværker fra forskellige givere gennem tiden. Kunstværkerne er i henhold til statens regnskabsregler ikke indregnet med værdi.

#### Tilgodehavender

Tilgodehavender måles i balancen til pålydende værdi med fradrag af nedskrivning til imødegåelse af tab. Nedskrivninger til tab opgøres på grundlag af en individuel vurdering af de enkelte tilgodehavender.

### Igangværende tilskudsaktiviteter

IT-Universitetet indgår løbende aftaler med virksomheder, offentlige institutioner og private organisationer om forskningsvirksomhed. Af aftalerne fremgår, hvilke aktiviteter tilskudsgiver betaler. I det omfang IT-Universitetet afholder omkostninger til aktiviteter, som er tilskudsdekket i henhold til aftalerne, men hvor tilskuddene endnu ikke er indbetalt, indregnes de tilskud, som IT-Universitetet har erhvervet ret til, som tilgodehavender fra igangværende tilskudsaktiviteter.

Modtagne tilskud, der dækker omkostninger, som endnu ikke er afholdt, indregnes som forudbetalte bundne tilskud.

Til dækning af overheadomkostninger ved tilskudsaktiviteter beregner IT-Universitetet et vederlag. Vederlaget indregnes som indtægt i takt med anvendelse af tilskuddene.

Som projektkoordinator på tilskudsfinansieret forskningsprojekter administrerer IT-Universitetet de samlede tilskudsmidler, der balanceføres og formidles videre til deltagende parter.

Hensættelse til imødegåelse af tab sker på grundlag af en individuel vurdering af de enkelte igangværende tilskudsaktiviteter samt som en generel hensættelse til imødegåelse af uforudsete tab. Hensættelsen modregnes i tilgodehavender fra igangværende tilskudsaktiviteter.

### Periodeafgrænsningsposter

Periodeafgrænsningsposter opført som aktiver omfatter afholdte omkostninger vedrørende efterfølgende regnskabsår. Forudbetalte omkostninger vedrører husleje, forsikringspræmier, abonnementer og forudbetalt løn m.v.

Periodeafgrænsningsposter opført som forpligtelser udgøres af modtagne betalinger vedrørende indtægter i de efterfølgende år.

### Gældsforpligtelser

Gældsforpligtelser måles til amortiseret kostpris, der i al væsentlighed svarer til nominal værdi.

### Hensatte forpligtelser

Hensatte forpligtelser indregnes, når universitetet som følge af en tidligere begivenhed har en retlig eller faktisk forpligtelse, og det er sandsynligt, at indfrielse af forpligtelsen vil medføre et forbrug af universitetets økonomiske ressourcer.

### Eventualforpligtelser

Under eventualforpligtelser indregnes forpligtelser, som er indgået i form af lejeaftaler samt verserende sager rejst mod universitetet, men som det ikke anses for sandsynligt, at universitetet kommer til at indfri.

## PENGESTRØMSOPGØRELSE

Pengestrømsopgørelsen viser IT-Universitetets pengestrømme for året opdelt fra drifts-, investerings- og finansieringsaktivitet, årets forskydning i likvider samt universitetets likvider ved årets begyndelse og slutning. Pengestrømsopgørelsen kan ikke udledes alene af det offentliggjorte regnskabsmateriale.

### **Pengestrømme fra driftsaktivitet**

Pengestrømme fra driftsaktiviteten opgøres som årets resultat reguleret for ikke kontante resultatposter som af- og nedskrivninger, samt ændring i driftskapitalen, renteindbetalinger og renteudbetalinger. Driftskapitalen omfatter omsætningsaktiver eksklusive likvide midler minus kortfristede gældsforpligtigelser.

### **Pengestrømme fra investeringsaktivitet**

Pengestrømme fra investeringsaktiviteten omfatter pengestrømme fra køb og salg af immaterielle, materielle og finansielle anlægsaktiver.

### **Pengestrømme fra finansieringsaktivitet**

Pengestrømme fra finansieringsaktiviteten omfatter pengestrømme fra optagelse og tilbagebetaling af langfristede gældsforpligtelser samt værdipapirer.

## PERSONALEREGNSKAB

IT-Universitetet indregner alle personalekategorier med undtagelse af bestyrelsesmedlemmer i årsværksopgørelsen i overensstemmelse med Danske Universiteters definitionsmanual. Personer, der aflønnes i form af honorar indgår ikke i antal ansatte i personaleregnskabet, dvs. eksterne bedømmere og censorer samt gæstelærere.

## SEGMENTOPLYSNINGER

Præsentationen af indtægter, personaleomkostninger og driftsomkostninger følger statens kontoplan.

## HOVED- OG NØGLETAL

Oversigt over hoved- og nøgletal er udarbejdet i henhold til § 23, stk. 2. i bekendtgørelse om tilskud og revision mv. ved Universiteterne. IT-Universitetet anvender definitionsmanualen for Danske Universiteters statistiske beredskab.

Omkostninger opdelt på formål følger Uddannelses- og Forskningsministeriets "Vejledning om hovedområde og formålsfordeling af universiteternes omkostninger" fra december 2012. Det tilstræbes, at så stor en del af universitetets omkostninger som muligt henføres direkte til faglige formål, det vil sige uddannelse, forskning samt formidling og vidensudveksling. Omkostninger, der ikke kan henføres til disse kategorier, fordeles ved hjælp af fordelingsnøgler.



# RESULTATOPGØRELSE 1. JANUAR - 31. DECEMBER

Note		2020 DKK 1.000	2019 DKK 1.000
1	Statstilskud	289.809	287.395
2	Deltagerbetaling	5.780	6.963
3	Eksterne forskningsmidler	38.449	36.113
4	Andre indtægter	8.614	10.065
	<b>Indtægter i alt</b>	<b>342.652</b>	<b>340.535</b>
5	Personaleomkostninger	236.623	210.367
	Af- og nedskrivninger	1.348	1.421
6	Andre ordinære driftsomkostninger	110.077	122.265
	<b>Ordinære driftsomkostninger i alt</b>	<b>348.047</b>	<b>334.053</b>
	<b>RESULTAT AF ORDINÆR DRIFT</b>	<b>-5.395</b>	<b>6.482</b>
7	Finansielle indtægter	2.389	4.291
8	Finansielle omkostninger	325	1.516
	<b>Finansielle poster i alt</b>	<b>2.064</b>	<b>2.775</b>
	<b>ÅRETS RESULTAT</b>	<b>-3.331</b>	<b>9.257</b>

## RESULTATDISPONERING

	2020 DKK 1.000	2019 DKK 1.000
Disponeret til overført overskud	-3.331	9.257
<b>Resultatdisponering i alt</b>	<b>-3.331</b>	<b>9.257</b>

# BALANCE PR. 31. DECEMBER

## AKTIVER PR. 31. DECEMBER

Note	2020 DKK 1.000	2019 DKK 1.000
Software	520	1.221
<b>9 Immaterielle anlægsaktiver i alt</b>	<b>520</b>	<b>1.221</b>
Indretning af lejede lokaler	4.483	3.773
It-udstyr	575	84
Driftsmateriel og inventar	1.217	0
<b>9 Materielle anlægsaktiver i alt</b>	<b>6.275</b>	<b>3.857</b>
Kapitalandele i dattervirksomhed	3.500	3.500
<b>10 Finansielle anlægsaktiver i alt</b>	<b>3.500</b>	<b>3.500</b>
<b>ANLÆGSAKTIVER I ALT</b>	<b>10.295</b>	<b>8.578</b>
Tilgodehavender fra salg af ydelser	7.816	9.529
Tilgodehavender fra tilskudsaktiviteter	3.974	6.834
<b>11 Andre tilgodehavender</b>	<b>10.984</b>	<b>3.915</b>
Periodeafgrænsningsposter	717	2.163
<b>Tilgodehavender i alt</b>	<b>23.492</b>	<b>22.441</b>
<b>12 Værdipapirportefølje</b>	<b>116.811</b>	<b>114.825</b>
Likvider	88.024	46.118
<b>Likvide beholdninger i alt</b>	<b>204.835</b>	<b>160.944</b>
<b>OMSÆTNINGSAKTIVER I ALT</b>	<b>228.327</b>	<b>183.385</b>
<b>AKTIVER I ALT</b>	<b>238.622</b>	<b>191.963</b>

## PASSIVER PR. 31. DECEMBER

Note	2020 DKK 1.000	2019 DKK 1.000
Egenkapital primo	83.497	74.240
Overført resultat	-3.331	9.257
<b>13 Egenkapital i alt</b>	<b>80.166</b>	<b>83.497</b>
Reetablering af lejemål **	0	2.924
<b>Hensatte forpligtelser i alt</b>	<b>0</b>	<b>2.924</b>
Leverandørgæld	20.609	18.598
Feriepengeforpligtelse *	33.686	27.964
<b>14 Anden gæld</b>	<b>11.553</b>	<b>9.639</b>
Forudbetalte bundne tilskud	63.119	18.156
Forudbetalt statstilskud	29.050	30.290
Andre periodeafgrænsningsposter	439	895
<b>Kortfristede gældsforpligtelser i alt</b>	<b>158.456</b>	<b>105.542</b>
<b>PASSIVER I ALT</b>	<b>238.622</b>	<b>191.963</b>
<b>15</b>	Pantsætninger og sikkerhedsstillelser	
<b>16</b>	Kontraktlige forpligtelser	
<b>17</b>	Eventualforpligtelser	
<b>18</b>	Personaleregnskab	
<b>19</b>	Segmentoplysninger	
<b>20</b>	Indtægtsdækket virksomhed	
<b>21</b>	Lederløn - bestyrelse	
<b>22</b>	Studenteraktiviteter	
<b>23</b>	Nærtstående parter	
<b>24</b>	ITU Business Development	
<b>25</b>	Yderligere forhold	

\* Indefrosne feriepenge udgør 18,4 millioner kr. af den samlede feriepengeforpligtelse.

\*\* I overensstemmelse med den statslige regnskabspraksis er hensættelsen til reetablering af Ruud Langgaards Vej på 2,9 millioner kr. bortfaldet og indtægtsført i forbindelse med ændringen.

# PENGESTRØMSOPGØRELSE 1. JANUAR - 31. DECEMBER

Note	2020 DKK 1.000	2019 DKK 1.000
<b>Årets resultat</b>	<b>-3.331</b>	<b>9.257</b>
Af- og nedskrivninger	1.348	1.421
Gevinst og tab ved salg af anlægsaktiver	0	47
Ændring af hensættelser	-2.924	43
<b>Tilbageførsel af poster uden likviditetseffekt</b>	<b>-1.576</b>	<b>1.511</b>
Ændring i tilgodehavender	-1.050	-6.956
Ændring i kortfristede gældsforpligtelser	52.914	5.182
<b>Ændring i driftskapital</b>	<b>51.864</b>	<b>-1.774</b>
<b>PENGESTRØMME FRA DRIFTSAKTIVITET</b>	<b>46.957</b>	<b>8.994</b>
<b>9</b> Køb og salg af immaterielle og materielle anlægsaktiver	-3.065	-4.870
Værdiregulering af finansielle anlægsaktiver	0	1.500
<b>Pengestrømme fra investeringsaktivitet</b>	<b>-3.065</b>	<b>-3.370</b>
Køb og salg af værdipapirer	-1.986	-4.159
<b>Pengestrømme fra finansieringsaktivitet</b>	<b>-1.986</b>	<b>-4.159</b>
<b>ÆNDRING I LIKVIDE BEHOLDNINGER</b>	<b>41.905</b>	<b>1.465</b>
Likvide beholdninger pr. 1. januar	46.118	44.654
<b>LIKVIDE BEHOLDNINGER PR. 31. DECEMBER</b>	<b>88.024</b>	<b>46.118</b>

# NOTER

## 1. STATSTILSKUD

	2020 DKK 1.000	2019 DKK 1.000
Heltidsuddannelse	154.485	136.555
Deltidsuddannelse	1.668	2.081
Udvekslingsstuderende	408	480
Fripladser og stipendier	1.315	1.824
Studietidstilskud	6.297	5.759
Beskæftigelsestilskud	5.286	5.422
Kvalitetstilskud	954	931
Forskning	134.099	132.693
Øvrige formål	1.599	1.649
SEA-reform *	-16.300	0
<b>Statstilskud i alt</b>	<b>289.809</b>	<b>287.395</b>

\* Statens huslejeordning er ændret, hvilket betyder, at både IT-Universitetets husleje og faste statstilskud er reduceret pr. 1. januar 2020.

## 2. DELTAGERBETALING

	2020 DKK 1.000	2019 DKK 1.000
Deltagere på deltidsuddannelse	5.254	5.788
Anden deltagerbetaling	526	1.174
<b>Deltagerbetaling i alt</b>	<b>5.780</b>	<b>6.963</b>

## 3. EKSTERNE FORSKNINGSMIDLER

	2020 DKK 1.000	2019 DKK 1.000
Danske offentlige forskningsmidler	16.142	7.902
Danske private forskningsmidler	13.326	12.882
EU-forskningsmidler	6.156	13.071
Øvrige udenlandske forskningsmidler	2.824	2.258
<b>Eksterne forskningsmidler i alt</b>	<b>38.449</b>	<b>36.113</b>

## 4. ANDRE INDTÆGTER

	2020 DKK 1.000	2019 DKK 1.000
Huslejeindtægter	648	602
Øvrige indtægter	7.966	9.463
<b>Andre indtægter i alt</b>	<b>8.614</b>	<b>10.065</b>

## 5. PERSONALEOMKOSTNINGER

	2020 DKK 1.000	2019 DKK 1.000
Lønninger	239.638	212.483
Lønrefusioner	-5.105	-3.989
Øvrige personaleomkostninger	2.089	1.874
<b>Personaleomkostninger i alt</b>	<b>236.623</b>	<b>210.367</b>

## 6. ANDRE ORDINÆRE DRIFTSOMKOSTNINGER

	2020	2019
	DKK 1.000	DKK 1.000
Husleje	35.033	39.052
Øvrige ordinære driftsomkostninger	75.043	83.213
<b>Andre ordinære driftsomkostninger i alt</b>	<b>110.077</b>	<b>122.265</b>

## 7. FINANSIELLE INDTÆGTER

	2020	2019
	DKK 1.000	DKK 1.000
Afkast på værdipapirportefølje, gevinst	2.388	4.288
Øvrige finansielle indtægter	1	3
<b>Finansielle indtægter i alt</b>	<b>2.389</b>	<b>4.291</b>

## 8. FINANSIELLE OMKOSTNINGER

	2020	2019
	DKK 1.000	DKK 1.000
Afkast på værdipapirportefølje, tab	281	4
Nedskrivning af kapitalandele	0	1.500
Øvrige finansielle omkostninger	44	12
<b>Finansielle omkostninger i alt</b>	<b>325</b>	<b>1.516</b>

## 9. ANLÆGSNOTE

	Software	Indretning af lejede lokaler	It-udstyr	Driftsmateriel og inventar	I alt
	DKK 1.000	DKK 1.000	DKK 1.000	DKK 1.000	DKK 1.000
Anskaffelsespris pr. 1. januar	8.403	4.167	5.644	613	18.826
Årets tilgang	0	1.133	577	1.355	3.065
Årets afgang	0	0	-1.805	-543	-2.348
<b>Anskaffelsespris pr. 31. december</b>	<b>8.403</b>	<b>5.300</b>	<b>4.416</b>	<b>1.425</b>	<b>19.544</b>
Akkumulerede af- og nedskrivninger pr. 1. januar	7.182	394	5.560	613	13.749
Årets af- og nedskrivninger	701	423	86	138	1.348
Årets tilbageførte afskrivninger	0	0	-1.805	-543	-2.348
<b>Akkumulerede af- og nedskrivninger pr. 31. december</b>	<b>7.883</b>	<b>817</b>	<b>3.841</b>	<b>208</b>	<b>12.748</b>
<b>Regnskabsmæssig værdi pr. 31. december</b>	<b>520</b>	<b>4.483</b>	<b>575</b>	<b>1.217</b>	<b>6.795</b>

## 10. FINANSIELLE ANLÆGSAKTIVER

	2020	2019
	DKK 1.000	DKK 1.000
Kapitalandele i ITU Business Development A/S	3.500	3.500
<b>Kapitalandele i dattervirksomhed i alt</b>	<b>3.500</b>	<b>3.500</b>

## 11. ANDRE TILGODEHAVENDER

	2020	2019
	DKK 1.000	DKK 1.000
Tilgodehavende momskompensation	0	0
Tilgodehavende løn og lønrefusion	1.122	1.340
Tilgodehavende deposita	7.740	446
Øvrige tilgodehavender	2.122	2.129
<b>Andre tilgodehavender i alt</b>	<b>10.984</b>	<b>3.915</b>

## 12. VÆRDIPAPIRER HOS PORTEFØLJEFORVALTER

	2020	2019
	DKK 1.000	DKK 1.000
Værdipapirer	116.383	114.512
Deponerede likvider	428	313
<b>Værdipapirportefølje i alt</b>	<b>116.811</b>	<b>114.825</b>

## 13. EGENKAPITALFORKLARING

	2020	2019
	DKK 1.000	DKK 1.000
Akkumuleret overført overskud, primo	83.497	74.240
Årets overførte overskud	-3.331	9.257
<b>Egenkapital i alt</b>	<b>80.166</b>	<b>83.497</b>

## 14. ANDEN GÆLD

	2020	2019
	DKK 1.000	DKK 1.000
Resultatløn	1.434	1.310
Åremålsforpligtelser	1.338	860
Øvrig skyldig løn	4.723	4.084
Skyldig revision	0	123
Skyldig print studerende	34	40
Skyldig moms	351	427
Depositata	987	952
Øvrige skyldige poster	2.686	1.842
<b>Anden gæld i alt</b>	<b>11.553</b>	<b>9.639</b>

## 15. PANTSÆTNINGER OG SIKKERHEDSSTILLELSER

IT-Universitetet har ikke foretaget pantsætninger eller sikkerhedsstillelser.

## 16. KONTRAKTLIGE FORPLIGTELSE

IT-Universitetet indgik i maj 2015 en huslejeaftale med Bygningsstyrelsen. Erhvervslejelovens § 60, stk. 1 er gældende for lejers forhold. Der kan som udgangspunkt kun ske opsigelse af lejemålet i sin helhed. Opsigelsesvarslet er seks måneder til fraflytning den 1. i en måned.

IT-Universitetet indgik i december 2019 en huslejeaftale med DR Byen. Opsigelsesvarslet er seks måneder til fraflytning den 1. i en måned. Lejemålet kan tidligst opsiges april 2022 til fraflytning oktober 2022.

## 17. EVENTUALFORPLIGTELSE

For 39 samfinansierede ph.d.-studerende ud af i alt 61 indskrevne ph.d.-studerende ultimo 2020 indestår IT-Universitetet for betaling af de studerendes løn i den 3-årige eller 4-årige periode, hvor deres ansættelsesaftaler er uopsigelige fra universitetets side. Forpligtigelsen kan blive aktuel, såfremt lønudgifterne ikke dækkes af virksomheder eller institutioner, som der er indgået uddannelsesaftaler med.

IT-Universitetet er omfattet af Statens selvforsikringsprincip og har tegnet bestyrelsesansvarsforsikring.

## 18. PERSONALEREGNSKAB

Årsværk	2020	2019	2018	2017
VIP	192	171	160	150
DVIP	51	44	40	43
Øvrige årsværk	174	162	151	140
<b>Total</b>	<b>417</b>	<b>376</b>	<b>351</b>	<b>333</b>

Antal ansatte	2020	2019	2018	2017
Antal ansatte pr. 1. januar	713	628	612	602
Tiltrædelser	439	411	374	475
Fratrædelser	376	326	358	465
<b>Antal personer 31. december</b>	<b>776</b>	<b>713</b>	<b>628</b>	<b>612</b>

Note: IT-Universitetet har i 2020 specificeret opgørelsesmetoden af personaleregnskabet vedrørende honorarlønnede personer. Sammenligningstal for 2017-2019 er justeret tilsvarende.



## 19. SEGMENTOPLYSNINGER

	2020 DKK 1.000	2019 DKK 1.000	2018 DKK 1.000	2017 DKK 1.000
<b>Opgørelse af den almindelige virksomhed</b>				
Indtægter	299.749	298.937	263.278	245.655
Lønoms-kostninger *	-208.677	-186.632	-169.445	-160.883
Andre direkte omkostninger *	-106.694	-116.548	-102.406	-97.561
Andre indirekte omkostninger	8.804	7.477	5.892	5.507
<b>Resultat</b>	<b>-6.818</b>	<b>3.234</b>	<b>-2.681</b>	<b>-7.282</b>
<b>Opgørelse af indtægtsdækket virksomhed</b>				
Indtægter	6.681	7.690	8.372	6.311
Lønoms-kostninger *	-2.601	-1.709	-3.386	-1.255
Andre direkte omkostninger *	- 633	-1.024	-1.437	-2.238
Andre indirekte omkostninger	-2.024	-1.709	-1.419	-887
<b>Resultat</b>	<b>1.422</b>	<b>3.248</b>	<b>2.131</b>	<b>1.930</b>
<b>Akkumuleret resultat</b>	<b>20.811</b>	<b>19.389</b>	<b>16.141</b>	<b>14.009</b>
<b>Opgørelse af tilskudsfinansieret forskningsaktivitet</b>				
Indtægter	35.628	33.908	27.252	24.063
Lønoms-kostninger	-24.761	-22.026	-19.062	-15.323
Andre direkte omkostninger	-4.087	-6.114	-3.717	-4.120
Andre indirekte omkostninger	-6.780	-5.768	-4.473	-4.620
<b>Resultat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Opgørelse af tilskudsfinansieret aktivitet</b>				
Indtægter	593	0	0	0
Lønoms-kostninger	-583	0	0	0
Andre direkte omkostninger	-10	0	0	0
Andre indirekte omkostninger	0	0	0	0
<b>Resultat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Årets resultat før finansielle poster</b>	<b>-5.395</b>	<b>6.482</b>	<b>-549</b>	<b>-5.352</b>

\* IT-Universitetet har ændret i registreringen af projektkostninger, som medfører en korrektion til fordelingen af Lønoms-kostninger og Andre direkte omkostninger fra 2019 og fremefter.

## 20. INDTÆGTSDÆKKET VIRKSOMHED

IT-Universitetet i Københavns indtægtsdækkede virksomhed omfatter lokaleudlejning, arrangementer, parkering m.m. Tabellen viser årets resultat og det akkumulerede resultat over den 4-årige periode, hvor det akkumulerede resultat ikke må være negativt i henhold til Finansministeriets disponeringsregler for indtægtsdækket virksomhed.

	2020	2019	2018	2017
	DKK 1.000	DKK 1.000	DKK 1.000	DKK 1.000
Indtægter	6.681	7.690	8.372	6.311
Direkte og indirekte omkostninger	5.259	4.442	6.241	4.380
<b>Årets resultat</b>	<b>1.422</b>	<b>3.248</b>	<b>2.131</b>	<b>1.930</b>
<b>Akkumuleret overført overskud pr. 31. december</b>	<b>20.811</b>	<b>19.389</b>	<b>16.141</b>	<b>14.009</b>

Ved opgørelse af det akkumulerede resultat vedrørende indtægtsdækket virksomhed skal institutionen tage udgangspunkt i år 2007 som første optjeningsår, således at der i de seneste års akkumulerede resultat er summeret mere end fire års resultater. Det akkumulerede resultat for 2017 skal tilsvarende indeholde det akkumulerede resultat for perioden 2007-2017.

## 21. LEDERLØN - BESTYRELSE

	2020	2019
Antal eksterne bestyrelsesmedlemmer	5	5
Udbetalt formandsvederlag (DKK 1.000)	130	129
Samlet udbetalt vederlag til øvrige eksterne medlemmer (DKK 1.000)	260	258

## 22. STUDENTERAKTIVITETER

	2020	2019
	DKK 1.000	DKK 1.000
Studerterpolitiske aktiviteter	664	627
Andre studenteraktiviteter	0	0
<b>Studerteraktivitet i alt</b>	<b>664</b>	<b>627</b>

## 23. NÆRTSTÅENDE PARTER

Nærtstående parter	Transaktioner
<b>Uddannelses- og Forskningsministeriet (UFM)</b>	Statstilskud fra UFM udgør 289.809 t.kr. i 2020 og 287.395 t.kr. i 2019.
<b>Direktion</b>	Udbetalt vederlag til Direktionen udgør 3.874 t.kr. i 2020 og 4.066 t.kr. i 2019.
<b>ITU Business Development A/S (ITU BD)</b>	<p>IT-Universitetet har indbetalt kapital for 5.000 t.kr. til ITU BD i 2014. I 2019 er værdien af IT-Universitetets kapitalindskud nedskrevet til 3.500 t.kr. IT-Universitetet ejer selskabet 100 pct.</p> <p>Årets resultat i ITU BD er på -813 t.kr. i 2020, og egenkapitalen pr. 31. december 2020 udgør 2.018 t.kr.</p> <p>ITU BD har leveret ydelser til IT-Universitetet og overtaget forpligtelser vedrørende patenter for 1.359 t.kr. i 2020 og 2.112 t.kr. i 2019.</p> <p>ITU BD har fra 2015 lejet lokaler hos IT-Universitetet for 256 t.kr. i 2020 og 287 t.kr. i 2019.</p>
<b>Folketingets Finansudvalg (FFU)</b>	IT-Universitetet i København har ikke anlægsprojekter, der kræver godkendelse af FFU.

## 24. ITU BUSINESS DEVELOPMENT

	Indskud i regnskabsåret DKK 1.000	Akkumuleret indskud DKK 1.000	Bogført værdi af ejerandel DKK 1.000	Ejerandel i procent Pct.
ITU Business Development	0	5.000	3.500	100

	Indtægter i regnskabsåret (Nettoomsætning) DKK 1.000	Omkostninger i regnskabsåret DKK 1.000	Resultat i regnskabsåret DKK 1.000
ITU Business Development		2.482	3.295
			-813

## 25. YDERLIGERE FORHOLD

Yderligere forhold som IT-Universitetet skal oplyse om i henhold til:

- Bekendtgørelse nr. 1021 af 24. juni 2020 om tilskud og revision m.v. ved universiteterne
- Uddannelses- og Forskningsstyrelsens brev af 18. december 2020 om årsrapport 2020.

IT-Universitetet varetager ikke sekretariatsfunktionen for legater og lignende.

IT-Universitetet har stiftet og ejer et aktieselskab, ITU Business Development A/S, til fremme af omsætningen af ny viden og teknologi mellem forskningsinstitutioner og erhvervslivet, jf. § 4, stk. 1 i LBK nr. 580 af 1. juni 2014 om offentlige forskningsinstitutioners kommercielle aktiviteter og samarbejde med fonde (tech-trans-loven).

IT-Universitetet har ikke indskudt midler i fonde, hvis hovedformål er at etablere universitetsnære boliger i henhold til § 10, stk. 2, i LBK nr. 580 af 1. juni 2014 om offentlige forskningsinstitutioners kommercielle aktiviteter og samarbejde med fonde (tech-trans-loven).

IT-Universitetet har ingen omkostninger til administration af fonde og foreninger, herunder erhvervsdrivende fonde og foreninger.

IT-Universitetet udbyder ingen uddannelser i udlandet.

IT-Universitetet deltager ikke i Erasmus Mundus programmer.

IT-Universitetet overholder EU's statsstøttere regler for forskningsinfrastruktur.

## HOVED- OG NØGLETAL

Indtægter (DKK 1.000)	2020	2019	2018	2017	2016
Uddannelse	176.192	160.015	159.528	153.106	146.210
Forskning	134.099	132.693	101.650	93.470	89.924
Eksterne midler *	46.414	45.575	39.110	31.027	26.165
Forskningsbaseret myndighedsbetjening	0	0	0	0	0
Øvrige tilskud **	-14.701	1.649	-2.146	-3.003	-1.773
Øvrige indtægter	2.712	3.378	-672	4.715	5.531
<b>Total</b>	<b>344.716</b>	<b>343.311</b>	<b>297.470</b>	<b>279.314</b>	<b>266.058</b>

\* Eksterne midler vedrører tilskudsfinansieret forskningsvirksomhed, andre tilskudsfinansierede aktiviteter samt kommerciel indtægtsdækket virksomhed.

\*\* IT-Universitetets reduktion i husleje og faste statslige tilskud ved SEA-reformen indgår i øvrige tilskud.

Omkostninger (DKK 1.000)	2020	2019	2018	2017	2016
Uddannelse	174.878	163.428	148.445	141.141	120.529
Forskning	137.875	133.478	113.631	107.285	97.118
Formidling og vidensudveksling	19.001	19.619	17.125	13.560	7.233
Myndighedsbetjening	0	0	0	0	0
General ledelse og administration	13.947	14.464	14.078	13.260	26.852
<b>Total</b>	<b>345.701</b>	<b>330.989</b>	<b>293.279</b>	<b>275.246</b>	<b>251.732</b>

Personale (årsværk)	2020	2019	2018	2017	2016
VIP	191,7	171,1	159,7	150,0	135,2
DVIP	51,3	43,5	39,9	43,0	42,6
Øvrige årsværk	173,6	161,8	151,5	140,3	136,6
<b>Total</b>	<b>416,6</b>	<b>376,5</b>	<b>351,0</b>	<b>333,3</b>	<b>314,4</b>

Balance (DKK 1.000)	2020	2019	2018	2017	2016
Egenkapital	80.166	83.497	74.240	76.221	78.287
Balancesum	238.622	191.963	177.481	172.713	187.371

Økonomiske nøgletal (pct.)	2020	2019	2018	2017	2016
Overskudsgrad	-1,0%	2,7%	-0,7%	-0,7%	3,5%
Likviditetsgrad	183,0%	236,4%	228,5%	233,5%	205,7%
Soliditetsgrad	33,6%	43,5%	41,8%	44,1%	41,8%
Finansieringsgrad *	0,0%	0,0%	0,0%	0,0%	0,0%
Gældsfaktor (pct.) *	0,0%	0,0%	0,0%	0,0%	0,0%

\* IT-Universitetet har ingen langfristet gæld

Bygninger (kvm)	2020	2019
Bygninger i alt	32.618	23.352

Bachelor- og kandidatstuderende i perioden 1/10 til 30/9	2020	2019
Antal optagne bachelorstuderende	433	364
Antal optagne kandidatstuderende	535	507
Antal indskrevne studerende pr. 30/9	2.263	2.086
Antal STÅ (inkl. gæstestuderende)	1.702	1.582

Færdiguddannede bachelorer og kandidater i perioden 1/10 til 30/9	2020	2019
Antal færdiguddannede bachelorer	228	169
Antal færdiguddannede kandidater	454	391

<b>Friplads- og stipendieordningen</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>
Antal indskrevne studerende på fripladser pr. 30/9	5	9	11	12
Antal STÅ baseret på fripladser	6	9	12	11
Antal studerende, der har fået udbetalt stipendier	10	14	19	17
Forbrug af fripladser, takstgruppe 3 (1.000 kr.)	593	909	1.110	1.040
Forbrug af stipendier (1.000 kr.)	722	915	1.030	1.355
Bevilling fra Styrelsen for Uddannelse og Forskning (1.000 kr.)	1.445	1.475	1.523	1.544
Resultat (1.000 kr.)	130	-350	-617	-851
Saldo pr. 31/12 (1.000 kr.)	1.949	1.818	2.168	2.784

<b>Deltidsstuderende i perioden 1/10 til 30/9</b>	<b>2020</b>	<b>2019</b>
Antal optagne diplom- og masterstuderende	41	42
Antal betalende deltidsstuderende	225	306
Antal årselever optjent af deltidsstuderende	54	68
Antal færdiguddannede diplom- og masterstuderende	30	54

<b>Internationalisering i perioden 1/9 til 31/8</b>	<b>2020</b>	<b>2019</b>
Antal udvekslingsstuderende udgående (inklusive udlandsstipendier)	41	75
Antal udvekslingsstuderende indgående	39	35
Antal udenlandske studerende pr. 30/9	302	296

<b>Forskeruddannelse</b>	<b>2020</b>	<b>2019</b>
Antal indskrevne ph.d.-studerende pr. 31/12	61	54
Antal optagne ph.d.-studerende	22	20
Antal godkendte ph.d.-afhandlinger	12	10

<b>Forsknings- og formidlingsresultater</b>	<b>2020</b>	<b>2019</b>
Antal forskningspublikationer	254	234
Antal patentansøgninger	0	1
Antal udstedte patenter	0	0
Antal anmeldte opfindelser	1	1
Antal projekter med erhvervslivet	33	37
Antal eksterne projekter	100	95
Økonomisk samarbejde med erhvervslivet (1.000 kr.)	15.668	15.094





# AFRAPPORTERING



# DEN STRATEGISKE RAMMEKONTRAKT FOR 2020

Den Strategiske Rammekontrakt er gældende for 2018-2021 og omfatter seks strategiske mål:

1. Øge kapaciteten af forskningsbaseret uddannelse af tekniske it-specialister
2. Flere kvindelige tekniske it-specialister
3. Alle studerende skal opnå et højt læringsudbytte
4. Alle dimittender skal have gode karrieremuligheder
5. Styrkelse af it-forskningen inden for områder, der afspejler samfundsmæssige behov
6. Samarbejde og udveksling af viden med fokus på styrkelse af it-fag i folkeskolen og gymnasiet.

I 2020, der er det tredje år af kontraktperioden, vurderer IT-Universitetet, at der er fremdrift for alle seks strategiske mål, jf. nedenstående oversigt:

	Fremdrift	Ingen fremdrift
Strategisk mål 1	X	
Strategisk mål 2	X	
Strategisk mål 3	X	
Strategisk mål 4	X	
Strategisk mål 5	X	
Strategisk mål 6	X	

I forhold til de to første mål har der været stor vækst inden for de tekniske it-uddannelser i såvel det totale antal optagne studerende som antallet af optagne kvindelige studerende. IT-Universitetets igangværende studerende vurderer, at kvaliteten af deres uddannelse og deres læringsudbytte er højt. Desuden er ledigheden blandt IT-Universitetets færdiguddannede kandidater faldet markant i kontraktperioden.

På forskningsområdet har IT-Universitetet mere end fordoblet antallet af forskere inden for forskningsområderne informationssikkerhed og data science i kontraktperioden. Desuden er der etableret flere forskningscentre inden for blandt andet digitalisering og informationssikkerhed. I kontraktperioden er der sket en styrkelse af den forskningsbaserede undervisning.

Nedenfor uddybes IT-Universitetets fremdrift og arbejde med hvert af de seks strategiske mål i 2020.

# STRATEGISK MÅL 1

Strategisk mål 1: Øge kapaciteten af forskningsbaseret uddannelse af tekniske it-specialister. IT-Universitetet vil, hvis de statslige bevillinger fremadrettet giver mulighed herfor, øge kapaciteten af forskningsbaseret uddannelse af tekniske it-specialister for at møde efterspørgslen og understøtte Danmarks digitale vækst.

Da der er vækst i antallet af optagne tekniske it-studerende i forhold til perioden 2017-2019, og da optaget af bachelorstuderende er højere end målet for 2020, samtidig med at frafaldet på første studieår på de tekniske bacheloruddannelser er lavere end frafaldet i perioden 2017-2019, er det IT-Universitetets vurdering, at der igen i 2020 er opnået klar fremgang inden for dette strategiske mål.

Fundamentet for forøgelsen af kapaciteten af forskningsbaseret uddannelse af tekniske it-specialister blev lagt i 2018 med bevilling af øgede basismidler. Disse midler samt midler fra STEM-puljen startende i 2019 og de ekstra oprettede studiepladser i 2020 som følge af COVID-19 har betydet en markant øgning af antallet af optagne tekniske bachelorstuderende.

For de tekniske bacheloruddannelser var det IT-Universitetets mål at øge antallet af optagne studerende til 240 i 2020. Dette mål blev nået, da der blev optaget 283 bachelorstuderende – heraf 195 studerende på bacheloruddannelsen i Softwareudvikling og 88 studerende på bacheloruddannelsen i Data Science. Hermed har der været en øgning på 80 bachelorstuderende, hvilket svarer til en stigning i antallet af optagne studerende på henholdsvis 33 og 57 pct. i forhold til 2017-indikatorerne, som var henholdsvis 147 og 56 optagne bachelorstuderende.

For de tekniske kandidatuddannelser har der været en stigning på 72 studerende svarende til 45 pct. på antallet af optagne studerende i 2020 i forhold til antallet af optagne i 2017.

Den øgede bevilling af basismidler, STEM-midler og midler som følge af COVID-19 har således i 2020 betydet et øget optag på 152 tekniske it-studerende på IT-Universitetet i forhold til 2017.

Derudover var det i 2020 målet, at der på de to tekniske bacheloruddannelser højest var et frafald på 20 pct. det første studieår. Dette mål er nået med et frafald på kun 9 pct. på bacheloruddannelsen i Softwareudvikling og et frafald på 12 pct. på bacheloruddannelsen i Data Science.

Som understøttende aktivitet er der også i 2020 gennemført en kommunikationsindsats med fokus på de tekniske it-uddannelser.

## STRATEGISK MÅL 2

Strategisk mål 2: Flere kvindelige tekniske it-specialister for at styrke kvaliteten i samfundets digitalisering. IT-Universitetet vil øge andelen af kvindelige studerende og vil blive endnu bedre til at fastholde kvindelige studerende på studiet.

I forhold til baseline i 2017 er der sket fremgang for dette mål, og i forhold til 2019 er der sket en markant fremgang, idet der både har været fremgang i indikatorerne for så vidt angår optag af kvindelige studerende som i forhold til frafaldet.

IT-Universitetet har i 2020 det hidtil laveste frafaldsniveau på 4 pct. blandt kvindelige studerende på bacheloruddannelsen i Softwareudvikling. Målet om maksimalt at have et frafald blandt kvindelige studerende på 20 pct. i 2020 på uddannelsen blev således klart nået.

I 2020 udgjorde de optagne kvinder 24 pct. og dermed næsten en fjerdedel af de optagne studerende på bacheloruddannelsen i Softwareudvikling. Det er den hidtil højeste

andel optagne kvindelige studerende siden uddannelsens start i 2007, og resultatet lever op til målet i 2020 på 20 pct. Blandt alle optagne bachelorstuderende på IT-Universitetet i 2020 er 33 pct. kvinder, mens der er 46 pct. kvinder optaget på kandidatuddannelserne.

Som understøttende aktivitet er der også i 2020 gennemført en vigtig kommunikationsindsats målrettet kvinder. Indsatsen har dog været mindre end planlagt ved årets start på grund af aflysninger og omlægninger som følge af COVID-19.

IT-Universitetet har i løbet af 2020 søsat et stort anlagt treårigt formidlingsprojekt med fokus på at øge interessen blandt unge – ikke mindst kvinder – for at læse de mest tekniske

bacheloruddannelser. Projektet er støttet af en bevilling på 3,8 millioner kr. fra Novo Nordisk Fonden. Bevillingen bliver blandt andet anvendt til at udvikle et YouTube-univers med tutorials og video-logs, der skal anskueliggøre, hvad programmering er, og hvordan teknologien kan bidrage til at løse store samfundsmæssige problemer. YouTube-kanalen er suppleret af en Instagramprofil. Begge dele kom i luften i december 2020.

## STRATEGISK MÅL 3

Strategisk mål 3: Alle studerende skal opnå et højt læringsudbytte. IT-Universitetet vil styrke forskningsdækningen af enkelte uddannelser og fastholde høj grad af kvalitet set med de studerende øjne.

Der er sket fremgang i dette strategiske mål i forhold til baseline. Således lever alle uddannelser også i 2020 hver især og i gennemsnit op til IT-Universitetets standarder for VIP/DVIP-ratio. Derudover er uddannelsernes kvalitet i de studerendes øjne og de studerendes udbytte af undervisningen igen i 2020 af samme høje kvalitet som tidligere.

IT-Universitetets samlede VIP/DVIP-ratio er i 2020 4,8, hvilket er højere end standarden på 3,0 i IT-Universitetets kvalitetspolitik. På alle IT-Universitetets uddannelser er VIP/DVIP-ratioen i 2020 mindst 2,9, hvilket er over minimumsmålet på 2,4 gældende for de enkelte uddannelser. På bacheloruddannelsen

i Softwareudvikling, hvor VIP/DVIP-ratioen i 2018 var 1,9 og 2,4 i 2019, er målet i 2020 nået med en VIP/DVIP-ratio på 2,9.

Den nationale uddannelsesevaluering, UddannelsesZOOM, som gennemføres hvert andet år, er gennemført ultimo 2020. Scoren på indikatoren "Kvaliteten af min uddannelse er samlet set høj" blev 4,3 i 2020, hvilket er højere end baseline for indikatoren i 2016 og tæt på scoren (4,4) for samme indikator for 2018. Scoren på indikatoren "Mit udbytte af undervisningen er højt" er 4,0 i 2020, hvilket er tæt på scoren i de tidligere år. Begge scorer opfylder dermed i 2020 IT-Universitetets målsætning om at være mindst 4,0 på en skala fra 1-5.

For at videreudvikle kvaliteten af uddannelserne er som understøttende aktivitet i 2020 igangsat udviklingen af en model for løbende pædagogisk/didaktisk kompetenceudvikling for fastansatte undervisere (VIP). I modellen indgår blandt andet fastlæggelse af undervisningskompetencer både til brug for den løbende kompetenceudvikling og ved rekruttering af undervisere til IT-Universitetet. Desuden oprettede IT-Universitetet i 2020 Center for Computing Education Research for generelt at styrke forskning og udvikling af it-undervisningen, herunder også på universitetsniveau.

## STRATEGISK MÅL 4

Strategisk mål 4: Alle dimittender skal have kompetencer, der giver gode karrieremuligheder. IT-Universitetet vil reducere dimittendledigheden på de kandidatuddannelser, der ikke allerede har lav dimittendledighed; dette vil ske gennem revision af uddannelserne baseret på tæt dialog med aftagerne.

IT-Universitetet har i 2020 haft fremgang inden for dette strategiske mål, idet dimittendledigheden er faldet markant i 2020 i forhold til baseline i 2017 og i forhold til ledigheden for kandidatdimittender på landsplan. Desuden er indikatoren "Min uddannelse har rustet mig til mit nuværende eller seneste job" øget i forhold til baseline.

Gennemsnittet af de seneste tre års ledighed for kandidatdimittender opgjort 4-7 kvartaler efter dimission er faldet fra baseline i 2017 på 11,2 pct. til 8,6 pct. i 2020. IT-Universitetet vurderer det ligeledes positivt, at universitetets dimittendledighed ligger under landsgennemsnittet, som var henholdsvis 12,5 pct. og 11,1 pct. i 2017

og 2020. IT-Universitetets ledighed har hvert år i perioden fra 2017-2020 været lavere end landsgennemsnittet, men hvor landsgennemsnittet for ledighed er faldet 11 pct., er IT-Universitetets ledighed faldet 23 pct. over de fire år.

Den nationale uddannelsesevaluering, UddannelsesZOOM, som gennemføres hvert andet år, er gennemført ultimo 2020. Dimittendernes vurdering, af hvorvidt deres uddannelse har rustet dem til deres job, gav en score på 4,1 på en skala fra 1-5. Dermed er scoren i 2020 højere end i de tidligere år, ligesom IT-Universitetets mål for indikatoren på 4,0 er opfyldt.

Med hensyn til relevans set med aftagerøjne har IT-Universitetets tætte dialog med aftagerne i regi af aftagerpanelerne i 2020 fortsat været en vigtig understøttende aktivitet med henblik på at reducere dimittendernes ledighed. Aftagerpanelerne har således igen i 2020 evalueret og godkendt arbejdsmarkedsbilletterne på alle IT-Universitetets uddannelser. Det reviderede årshjul og afrapporteringsskema har for aftagerpanelerne været i brug fra starten af 2020 og har fungeret godt.

## STRATEGISK MÅL 5

Strategisk mål 5: Styrkelse af it-forskningen inden for områder, der afspejler samfundsmæssige behov. IT-Universitetet agter at uddanne og ansætte flere forskere inden for digitalisering og, dersom forudsætningen for strategisk mål 1 opfyldes, tillige inden for informationssikkerhed og data science.

IT-Universitetet har haft væsentlig fremgang inden for dette mål i 2020, idet forskningsmiljøet i data science og i informationssikkerhed er blevet styrket i løbet af 2020 i forhold til baseline i 2017. Fremgangen i 2020 er både sket ved nyansættelser og ved ansættelse af nuværende adjunkter som lektorer. Desuden er der inden for informationssikkerhed og digitalisering hjemtaget eksterne bevillinger, der har muliggjort ansættelse af ph.d.-studerende og postdocs. Yderligere er der taget initiativer til øget samarbejde inden for IT-Universitetets Forskningscenter for Offentlig IT.

IT-Universitetets styrkelse af forskningsmiljøet inden for data science er sket ved ansættelse af en adjunkt i 2020, og yderligere tre lektorer er ansat i 2020 med jobstart primo 2021. Desuden er fire nuværende adjunkter i årets løb blevet ansat som lektorer. Der er

desuden hjemtaget meget væsentlige eksterne forskningsmidler, og både i 2020 og de kommende år vil der således blive rekrutteret ph.d.-studerende og postdocs.

IT-Universitetet har i 2020 styrket forskningsmiljøet inden for informationssikkerhed, idet en nuværende adjunkt er blevet ansat som lektor. Det betyder, at der i IT-Universitetets Center for Information Security and Trust nu er ansat en professor, fire lektorer og tre adjunkter, og herved stadig ansat otte forskere på mindst adjunktiveau.

Den væsentligste understøttende aktivitet har i 2020 været bemanningen af forskningsmiljøerne, herunder stillingsopslag, rekrutteringsaktiviteter, bedømmelse, ansættelsessamtaler, forhandlinger mv. Endvidere har IT-Universitetet understøttet

forskeres ansøgninger om eksterne forskningsmidler, hvilket har båret frugt i form af samarbejder og eksterne bevillinger.

Som understøttende aktivitet i forhold til at opnå øgede eksterne forskningsmidler har IT-Universitetet i 2020 indgået i dialog med flere store private fonde og virksomheder, hvor forskningsprojekter og samarbejder er under udvikling.

## STRATEGISK MÅL 6

Strategisk mål 6: Samarbejde og udveksling af viden med fokus på styrkelse af it-fag i folkeskolen og gymnasiet. IT-Universitetet vil i kontraktperioden undervise gymnasielærere og levere fagligt input til styrkelsen af it-fag i folkeskolen og gymnasiet.

På den korte bane er der i dette mål sket en tilbagegang på de to indikatorer i forhold til baseline, idet IT-Universitetet ikke har efteruddannet nogen gymnasielærere i 2020. På den lange bane er der til gengæld sket fremgang, idet IT-Universitetet har indgået en samarbejdsaftale om gennemførelsen af masteruddannelsen i Informatikundervisning, der er rettet mod gymnasielærere. Desuden har IT-Universitetet i 2020 oprettet et målrettet forskningscenter, Center for Computing Education Research, til understøttelse af it-undervisningen for alle uddannelsessektorer fra grundskoler til universiteter. Samlet set vurderer IT-Universitetet derfor, at der i dette mål i 2020 er sket en markant fremgang, der giver helt nye muligheder i de kommende år.

Masteruddannelsen i Informatikundervisning, som er forankret på Aarhus Universitet, er specifikt rettet mod efter- og videreuddannelse med henblik på undervisning i gymnasiet. IT-Universitetets deltagelse i samarbejdet om uddannelsen afløser de tidligere års mindre omfattende og organisatorisk løse forankrede tiltag på dette område. IT-Universitetet bidrager til den nye masteruddannelse og dens forudsætningskurser startende med et adgangskursus, der skal afholdes i efteråret 2021.

For at opnå en generel styrkelse af forskning og udvikling af it-undervisningen, opbyggede IT-Universitetet i 2020 Center for Computing

Education Research. Centret har selvstændig ledelse og forskere, og centret blev indviet i efteråret 2020. Centret skal arbejde med undervisning i it og datalogi på universitets-, gymnasie- og folkeskoleniveau, og helt bredt også med undervisning i it og datalogi for målgrupper, der ikke skal være it-professionelle, softwareudviklere mv.

IT-Universitetets er aktiv partner i samarbejdet mellem professionshøjskoler og universiteter om kapacitetsopbygning i forhold til faget teknologiforståelse i folkeskolen.





# APPENDIKS



# APPENDIKS 1

## IT-UNIVERSITETETS STYRELSESFORHOLD PR. 31. DECEMBER

IT-Universitetet ledes af en bestyrelse og en direktion.

### Bestyrelsen

IT-Universitetets bestyrelse består af en formand, en næstformand og syv medlemmer. Formanden, næstformanden og tre medlemmer er udefra kommende, et medlem er valgt af og blandt IT-Universitetets videnskabelige personale, et medlem er valgt af og blandt det teknisk-administrative personale på IT-Universitetet, og to medlemmer er valgt af og blandt de studerende på IT-Universitetet.

Bestyrelsen er IT-Universitetets øverste myndighed. Bestyrelsen varetager IT-Universitetets interesser som uddannelses- og forskningsinstitution og fastlægger retningslinjer for dets organisation, langsigtede virksomhed og udvikling.

Bestyrelsesmøderne er offentlige. Sager, der er omfattet af lovgivningens bestemmelser om tavshedspligt i forvaltningen, alle personsager og sager, hvori indgår oplysninger om kontraktforhandlinger med private eller tilsvarende forhandlinger med offentlige samarbejdspartnere, behandles dog for lukkede døre.

### Rektor

Rektor er ansvarlig over for bestyrelsen i ethvert spørgsmål og har inden for de rammer, bestyrelsen har fastsat, ansvaret for den daglige ledelse af IT-Universitetet. Ledelsesretten omfatter alt personale, der er ansat på IT-Universitetet.

Rektor skal sikre, at IT-Universitetet til enhver tid overholder gældende lovgivning og regler og er pligtig at foretage enhver anden handling, der er nødvendig til god og forsvarlig ledelse af IT-Universitetet.

### Prorektor

Prorektor supplerer rektor på alle typer af opgaver, som rektor beskæftiger sig med.

### Universitetsdirektør

Universitetsdirektøren er ansvarlig for, at den samlede administration understøtter forskning og uddannelse i videst muligt omfang. Universitetsdirektøren er ansvarlig over for rektor, for at lovgivningen inden for det administrative område bliver overholdt samt for at sikre en sammenhæng mellem de administrative processer på tværs af de administrative afdelinger.

Universitetsdirektøren leder de større tværgående projekter for de administrative afdelinger samt tegner administrationen over for omverdenen.

### Direktionen

Direktionen udgøres af rektor, prorektor og universitetsdirektør. Direktionen er ansvarlig for udarbejdelse af IT-Universitetets strategier samt udarbejdelse og forhandling af strategisk rammekontrakt med Uddannelses- og Forskningsministeriet.

Direktionen har ansvaret for, at IT-Universitetets udvikling understøttes bedst muligt inden for de økonomiske rammer, som bestyrelsen har givet. Gennem direktionens arbejde opnås en helhed mellem forskning, uddannelse og administration. Direktionen arbejder gennem det daglige arbejde med at fremme IT-Universitetets tre kerneværdier, toneangivende, ansvarlig og imødekommende, i hele organisationen.

### Akademisk råd

Rektor nedsætter et akademisk råd. Akademisk råd består af en formand og fire medlemmer og vælger selv sin formand blandt rådets medlemmer. To medlemmer vælges af og blandt det videnskabelige personale på IT-Universitetet, og to medlemmer vælges af og blandt de studerende på IT-Universitetet.

Akademisk råd udtaler sig til rektor om centrale strategiske forsknings- og uddannelsesområder og planer for udveksling af viden, tildeler ph.d.- og doktorgraden og kan udtale sig om alle akademiske forhold af væsentlig betydning for IT-Universitetets virksomhed mm.

### Studienævn

Rektor opretter et eller flere studienævne, hvortil der vælges et lige stort antal medlemmer blandt det videnskabelige personale (VIP) og blandt de studerende. Hvert studienævn vælger blandt sine VIP-medlemmer en formand og blandt de studerende en næstformand. Formand og næstformand godkendes af rektor.

Studienævnet sikrer tilrettelæggelse, gennemførelse og udvikling af uddannelser og undervisning, herunder kvalitetssikring og kvalitetsudvikling af uddannelser og undervisning, udarbejdelse af forslag til studieordninger og ændringer heri og godkendelse af plan for tilrettelæggelse af undervisning og prøver mm.

### Ph.d.-udvalg

Rektor opretter et Ph.d.-udvalg, hvortil der vælges et lige stort antal medlemmer blandt det videnskabelige personale (VIP) og blandt de studerende. Formand og næstformand udpeges af rektor efter indstilling fra Ph.d.-udvalget.

Ph.d.-udvalget godkender ph.d.-kurser, udtaler sig om evaluering af ph.d.-uddannelsen og -vejledning til ph.d.-skolelederen og godkender ansøgninger om merit og dispensation mm.

### Institutedere

Institutedere ansættes og afskediges af rektor. Lederen af hvert enkelt institut varetager instituttets daglige ledelse, herunder planlægning og fordeling af arbejdsopgaver. Institutederen kan pålægge medarbejdere at løse bestemte opgaver. I den tid, hvor de videnskabelige medarbejdere ikke er pålagt sådanne opgaver, forsker de frit inden for IT-Universitetets strategiske rammer.

En institutleder sikrer kvalitet og sammenhæng i forskning og uddannelse og skal med inddragelse af studienævn og studieleder følge op på evaluering af uddannelse og undervisning.

### Uddannelseschef

Uddannelseschefen ansættes af rektor. Uddannelseschefen har det overordnede ansvar for alle IT-Universitetets uddannelsesaktiviteter, deres tilrettelæggelse, udførelse, kvalitetssikring og udvikling. Derudover har uddannelseschefen ansvaret for ledelse af fornyelse af undervisnings- og uddannelsesaktiviteter, herunder udvikling af nye uddannelser, og ledelse af de organisatoriske forandringer, der skal til for at nå mål og opfylde kvalitetsstandarder.

### Samarbejds- og sikkerhedsudvalg

IT-Universitetets sikkerheds- og samarbejdsorganisation består af et Hoved Sikkerheds- og Samarbejdsudvalg (H-SiSu) og to underudvalg – et Administrativt Sikkerheds- og Samarbejdsudvalg (A-SiSu), som dækker administrationen, og et Forsknings Sikkerheds- og Samarbejdsudvalg (F-SiSu) som dækker institutterne - samt to sikkerhedsgrupper under hvert af de to underudvalg.

Generelt behandles emner, som vedrører samtlige medarbejdere, i H-SiSu, herunder politikker, strategier, arbejdspladsvurdering (APV), medarbejdertilfredshedsundersøgelse (MTU) og koncept for medarbejderudviklingssamtaler (MUS). Emner, som alene vedrører/har interesse for enten administrationen eller forskningen, behandles i henholdsvis A-SiSu og F-SiSu. Emner omkring arbejdsmiljø og sikkerhed behandles som udgangspunkt i A-SiSu og F-SiSu.

Der forudsættes et tæt samarbejde mellem SiSu'erne. Behandling af emner kan uddelegeres fra H-SiSu til henholdsvis A-SiSu eller F-SiSu, ligesom emner, som har været behandlet i A-SiSu og F-SiSu, kan blive behandlet i H-SiSu, såfremt det skønnes nødvendigt.

# APPENDIKS 2

## MEDLEMMER AF IT-UNIVERSITETETS AFTAGERPANELER

### EXECUTIVE-LEVEL EMPLOYERS' PANEL:

**Tine Thorn (formand)**

IT Udviklingschef, AP Pension

**Mette Fjord Sørensen**

Chef for Forskning, videregående uddannelser og mangfoldighed, DI

**Marianne Sørensen**

Direktør, Beskæftigelses- og Integrationsforvaltningen, Københavns Kommune

**Brit Kannegaard Johannessen**

Senior Vice President, NNIT

**Michael Aagaard Biermann**

CIO, Ørsted

**Marc Schröter**

Senior Vice President, Product Management, SimCorp

**Rikke Hvilshøj**

Adm. direktør, Dansk IT

**Anders Peter Kierbye Johansen**

Global R&D HR Director, Unity

### BACHELOR I SOFTWAREUDVIKLING (SWU) OG DATA SCIENCE (DS)/CAND.IT., SOFTWARE DESIGN (SD) OG CAND.SCIENT., DATALOGI (CS):

**Christian Bjerre Nielsen (formand)**

Chief Product Officer, uQualio ApS

**Casper Hovard**

Senior Engagement Manager, KSP Nordic

**Jesper Hollitsch Poulsen**

Assoc. Development Director, Rational Tools & Engineering Processes, Danske Bank

**Niels Hallenberg**

Director, Architect Manager, SimCorp

**Morten Zohnesen**

Managing Architect, Netcompany

**Bodil Biering**

Independent Consultant

**Kaare Brandt Petersen**

Director of Learning Analytics, Laerdal Copenhagen

**Søren Ilsoe**

Director, Insight Strategy, Analytics & Information Management, Deloitte

**Mikkel Muhldorff Sigurd**

Optimization Manager, Maersk Line

**Mille Østerlund**

Chef for Civil rådgivning, CFCS – Center for Cybersikkerhed

**Galina Ianchina**

Vicedirektør for IT, Roskilde Universitet

**Jane Eriksson Dahl**

Head of IT-development, Domstolsstyrelsen

**Maiken Lykke**

Country Manager, Sopra Steria

**BACHELOR I DIGITAL DESIGN OG INTERAKTIVE TEKNOLOGIER (DDIT)/CAND. IT., DIGITAL DESIGN OG INTERAKTIVE TEKNOLOGIER (DDIT):**

**Rie Scheuermann Christensen (formand)**  
Head of UX, Leo Innovation Lab

**Nanna Engberg**  
Partner and User Experience Director, Manyone

**Louise Wiktoría Klinker**  
Strategy & UX Director, 1508

**Britt Rifbjerg Hertsdahl**  
Head of Large Corporates Digital, Nordea

**Michael Harboe**  
Strategic Advisor and CEO, Virsabi

**Jens Christiansen**  
Lead UX Designer, Designit

**Sarah Kirkeby**  
Kontorchef, Digitaliseringsstyrelsen

**Brian Ravn**  
People Manager – UX & Product Solutions, R&D Software, FOSS

**CAND.IT., GAMES:**

**Astrid Refstrup (formand)**  
CEO, Tripple Topping

**Adam Mechtley**  
Lead Software Developer, Unity Technologies

**Simon Jon Andreassen**  
Head, DADIU

**Jonathan Bonillas**  
Lead User Researcher, Nordisk Film

**Na'Tosha Bard**  
Vice President, Research & Development, KMD

**Marina Surdu**  
Talent Acquisition Specialist, IO Interactive

**Hannah Nicklin**  
CEO, Die Gute Fabrik

**Rob Pierce**  
Producer, Framebunker

**Christos Iosifidis**  
VP of Product Management, Vivino

**Kelly Griffin**  
HR, Tactile

**BACHELOR I GLOBAL VIRKSOMHEDSINFORMATIK (GBI)/ CAND.IT., DIGITAL INNOVATION OG MANAGEMENT (DIM):**

**Kirsten Nielsen (formand)**  
Talent Pipeline Management-Programme Manager, Nordea Markets, Nordea

**Jari Friis Jørgensen**  
Owner, Symmetric

**Tanja Danner**  
Digital Advisor, Selvstændig

**Simon Kiilerich Vedel**  
Director, Zero North

**Nicolai Meelby**  
Underdirektør, eBusiness, Topdanmark

**Jan Struwe Poulsen**  
Dep. Head of Office, KL

**Joacim Jeppesen**  
Chief Growth Officer, Valtech

**Janus Sandsgaard**  
Fagchef, Digitalisering, Dansk Erhverv

**Nina Husfeldt Clasen**  
Kontorchef, Digitaliseringsstyrelsen

**MASTER I IT-LEDELSE (ILM):**

**Ghita Thiesen (formand)**  
Kontorchef, KL

**Martin Jensen Buch**  
Chefkonsulent, IT-Branchen

**Erik Møberg**  
Director, Rambøll Management Consulting

**Stig Lundbeck**  
Direktør, Koncern IT, Københavns Kommune

**Lars Hagerup**  
IT-direktør/Chef for Klinisk IT, Odense Universitetshospital (OUH)

**Philip Heller-Christensen**  
Udviklingschef, Dansk IT

**Lars R. Andersen**  
Vice President, NNIT

**Pernille Juel Sefort**  
HR-direktør, Naviair

**Lisbeth Nielsen**  
Direktør, Sundhedsdatastyrelsen

# APPENDIKS 3

## DATABESKYTTELSESRÅDGIVERENS STATUS OVER 2020

I 2020 er der blevet arbejdet målrettet videre med sikring af compliance med databeskyttelsesforordningen (GDPR) på IT-Universitetet. Et eksempel er, at blandt andet GDPR e-learning-kurset nu også omfatter det videnskabelige personale (VIP), således at alle medarbejdere på IT-Universitetet skal gennemføre kurset og afslutte med en test. Der har ligeledes været et stort fokus på at vedligeholde dokumentation for behandlingsaktiviteter, hvori persondata indgår, og tilhørende risikovurderinger samt besvare GDPR-henvendelser.

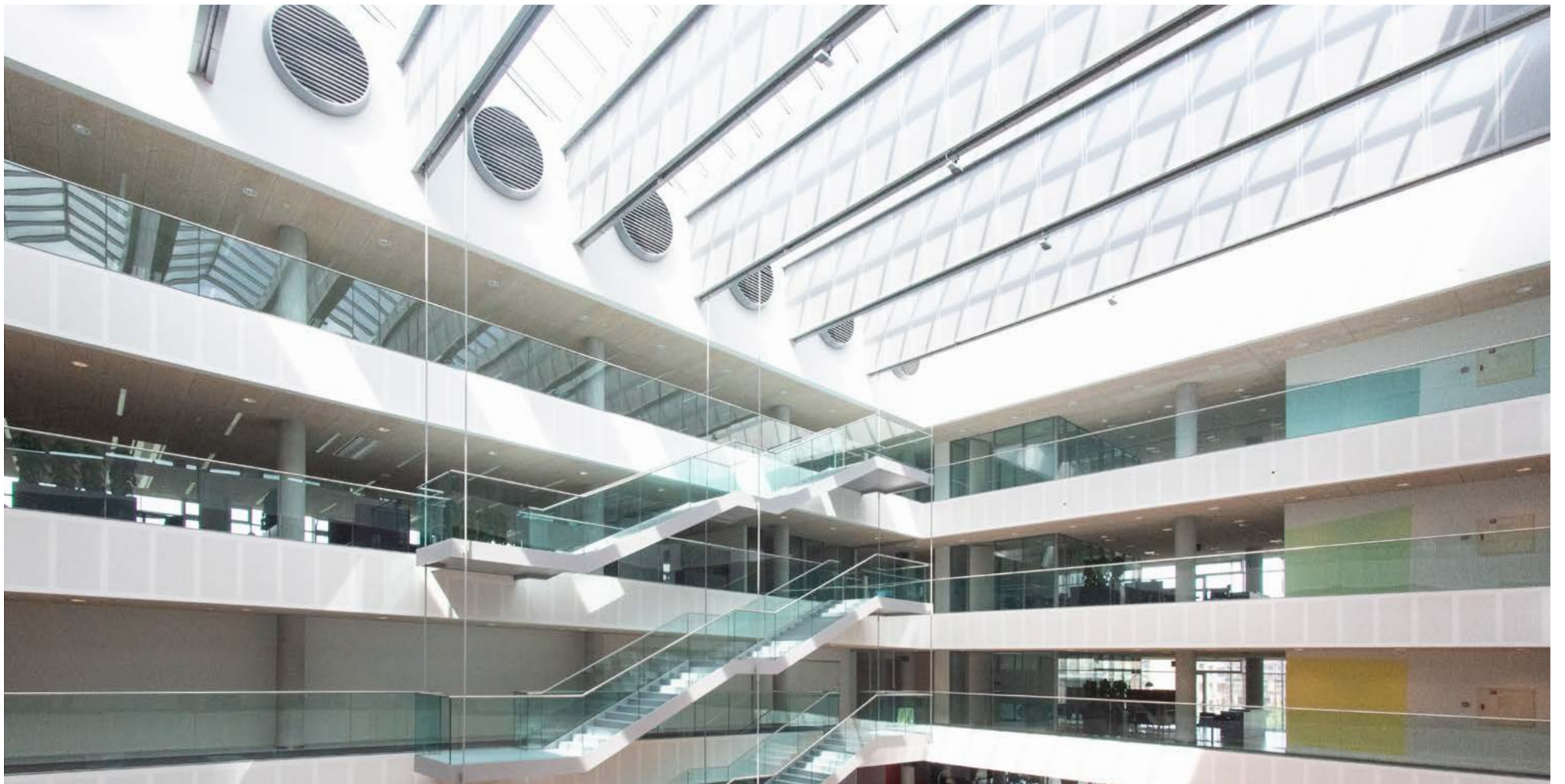
Endvidere, grundet Schrems-II dommen fra sommeren 2020, har der været et arbejde med at gennemgå alle indgåede databehandleraftaler og notere, om der sker overførsel til lande uden for EU/EØS samt kontakte dem, der benytter Privacy-Shield ordningen som overførselsgrundlag. Eftervirkningerne af dommen betyder, at arbejdet med at sikre lovlige overførsler af persondata til lande uden for EU/EØS vil fortsætte ind i 2021.

IT-Universitetet blev sidst på foråret kontaktet af Datatilsynet vedrørende overvågning af

de studerende i forbindelse med afholdelse af digitale eksamener. IT-Universitetet formåede at besvare alle tilsynets spørgsmål tilfredsstillende, men afventer en afslutning på sagen fra Datatilsynet. I løbet af sommeren blev IT-Universitetet, sammen med en række andre organisationer, udtaget af Datatilsynet til en skriftlig modenhedsundersøgelse. I december modtog IT-Universitetet besked om, at Datatilsynet anser sagen for afsluttet, og at der ikke udtales kritik. Datatilsynets udtalelse er offentliggjort på deres hjemmeside.

Der er registreret syv sikkerhedshændelser i løbet af 2020. To af disse indeholdt brud på persondatasikkerheden og blev anmeldt til Datatilsynet. De berørte personer blev orienteret. Den ene af hændelserne orienterede IT-Universitetet om på sin hjemmeside. Begge hændelser er afsluttet uden kritik fra Datatilsynet.

2020 har været et år med store omvæltninger inden for databeskyttelsesområdet, og IT-Universitetet har også skullet ændre på, hvordan tingene blev udført, men der er ingen tvivl om, at ændringerne har højnet håndtering og sikring af personoplysninger.



# ANNUAL REPORT 2020

IT UNIVERSITY OF COPENHAGEN

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# UNIVERSITY DETAILS



# UNIVERSITY DETAILS

<b>Organisation</b>	IT University of Copenhagen Rued Langgaards Vej 7 DK-2300 Copenhagen S
<b>Telephone</b>	+45 72 18 50 00
<b>E-mail</b>	itu@itu.dk
<b>Website</b>	www.itu.dk
<b>CVR-no.</b>	29 05 77 53
<b>Registered office</b>	Copenhagen

## BOARD OF DIRECTORS

### Carsten Krogh Gomard

Chairman of the Board of Directors, Investor and professional board member, born 1966. Netcompany co-founder.  
*Joined the Board of Directors on 1 November 2020.*

### Lars Mathiesen

Deputy Chairman of the Board of Directors, Director, Frost Management, born 1956. Associated Director, Deloitte. Member of the Board of Directors of YOUANDX. Member of the IT Project Council of the Municipality of Copenhagen, the IT Council of Danish Regions, the Expert Council of the Capital Region of Denmark, It-tilsynet in Skat, KL/KOMBITs Digitaliseringsråd and the Datafølgegruppe in Ministry of Justice. Expert Judge at the Eastern High Court in Copenhagen.

### Kristine Stenhuus

Corporate Vice President, NNIT, born 1973.

### David Basin

Dr., Professor, ETH Zürich, born 1961.

### Christina Hvid

CEO, Molio, born 1970. Chairman of the Board of Directors of Fonden Hornbæk Kunstmuseum. Member of the Board of Directors of Byg Erfa. 2008: Appointed Young Global Leader of World Economic Forum.  
*Joined the Board of Directors on 1 April 2021.*

### Mircea Lungu

Associate Professor, IT University of Copenhagen, born 1980.

### Anaya Mourad Jensen

Academic Advisor, IT University of Copenhagen, born 1987  
*Joined the Board of Directors on 1 January 2021.*

### Mikala Sofie Skoglund Thomsen

Master of Science Student, IT University of Copenhagen, born 1995  
*Joined the Board of Directors on 1 January 2021.*

### Sebastian Mateos Nicolajsen

Master of Science Student, IT University of Copenhagen, born 1998.

# EXECUTIVE MANAGEMENT, AUDITORS, ATTORNEYS AND BANK



## EXECUTIVE MANAGEMENT

Martin Tvede Zachariasen  
Vice Chancellor

Jens Christian Godskesen  
Pro-rector

Georg Dam Steffensen  
University Director

## AUDITOR

Rigsrevisionen  
(The Danish National Audit Office)  
Landgreven 4  
DK-1301 København K

## INSTITUTIONAL AUDITOR

EY  
Godkendt Revisionspartnerselskab  
Dirch Passers Allé 36  
P O Box 250  
DK-2000 Frederiksberg

## ATTORNEYS

Advokatpartnerselskabet  
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6700 Esbjerg

Kammeradvokaten  
Advokatfirmaet Poul Schmith  
Vester Farimagsgade 23  
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1401 København K

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Pilestræde 58  
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Borgergade 24B  
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## BANK

Danske Bank A/S  
Holmens Kanal 2-12  
DK-1092 København K



**MANAGEMENT STATEMENTS AND  
INDEPENDENT AUDITORS REPORT**

# STATEMENT BY THE BOARD OF DIRECTORS AND THE EXECUTIVE MANAGEMENT

Today the Board of Directors and the Executive Management have discussed and approved the Annual Report of the IT University of Copenhagen.

The Annual Report has been prepared in accordance with Executive Order no. 1021 of 24 June 2020 on Grants and Auditing etc. of Universities.

**It is hereby stated that:**

1. The Annual Report gives a true and fair view, i.e. the Annual Report does not contain any material misstatement or omissions, including adequate presentation and reporting on the Strategic Framework Contract.
2. The transactions comprised by the financial reporting are consistent with appropriations granted legislation and other regulations as well as agreements entered into and general practice.
3. Business procedures have been established that ensure financially appropriate administration of the funds comprised by the Annual Report.

Copenhagen, 15 April 2021

## THE EXECUTIVE MANAGEMENT OF THE IT UNIVERSITY OF COPENHAGEN

<p>Martin Tvede Zachariasen Vice Chancellor</p>	<p>Jens Christian Godskesen Pro-rector</p>	<p>Georg Dam Steffensen University Director</p>
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## THE BOARD OF DIRECTORS OF THE IT UNIVERSITY OF COPENHAGEN

<p>Carsten Krogh Gomard Chairman, External member</p>	<p>Lars Mathiesen Deputy Chairman, External member</p>	<p>Kristine Stenhuus External member</p>
<p>David Basin External member</p>	<p>Christina Hvid External member</p>	<p>Mircea Lungu Staff-elected member</p>
<p>Anaya Mourad Jensen Staff-elected member</p>	<p>Mikala Sofie Skoglund Thomsen Student-elected member</p>	<p>Sebastian Mateos Nicolajsen Student-elected member</p>

# INDEPENDENT AUDITORS' REPORT

## TO THE BOARD OF DIRECTORS OF THE IT UNIVERSITY OF COPENHAGEN

### Opinion

We have audited the financial statements of the IT University of Copenhagen for the financial year 1 January - 31 December 2020, which comprise accounting policies, income statement, balance sheet, equity statement, cash flow statement and notes, including supplementary information. The financial statements are prepared in accordance with the Danish State's accounting rules and ministerial order no. 1021 of 24 Juni 2020 on funding and auditing, etc., of universities (the Danish State's accounting rules).

In our opinion, the financial statements are, in all material respects, correct, i.e. prepared in accordance with the Danish State's accounting rules.

### Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (ISAs) and additional requirements applicable in Denmark as well as public auditing standards as the audit was performed on the basis of the provisions of the Danish State's accounting rules. Our responsibilities under those standards and requirements are further described in the "Auditor's responsibilities for the audit of the financial statements" section of our report. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### Independence

We are independent of the University in accordance with the International Ethics Standards Board for Accountants' Code of Ethics for Professional Accountants (IESBA Code) and additional requirements applicable in Denmark, and we have fulfilled our other ethical responsibilities in accordance with these rules and requirements.

### Management's responsibilities for the financial statements

Management is responsible for the preparation of financial statements that are, in all material respects, correct, i.e. prepared in accordance with the Danish State's accounting rules. Management is also responsible for such internal control that Management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, Management is responsible for assessing the University's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting in preparing the financial statements unless Management either intends to liquidate the University or to cease operations, or has no realistic alternative but to do so.

### Auditor's responsibilities for the audit of the financial statements

Our objectives are to obtain reasonable assurance as to whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs and additional requirements applicable in Denmark as well as public auditing standards, cf. the Danish State's accounting rules, will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

As part of an audit conducted in accordance with ISAs and additional requirements applicable in Denmark as well as public auditing standards, cf. the Danish State's accounting rules, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a

material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by Management.
- Conclude on the appropriateness of Management's use of the going concern basis of accounting in preparing the financial statements and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the University's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the University to cease to continue as a going concern.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

#### **Statement on the Management's review**

Management is responsible for the Management's review (pages 10 - 23), reporting on the Strategic Framework Contract (pages 45 - 52) and financial highlights (pages 41 - 44), in the following referred to as *the other reports*.

Our opinion on the financial statements does not cover the other reports, and we do not express any form of assurance conclusion thereon.

In connection with our audit of the financial statements, our responsibility is to read the other reports and, in doing so, consider whether the other reports are materially inconsistent with the financial statements or our knowledge obtained during the audit, or otherwise appears to be materially misstated.

Moreover, it is our responsibility to consider whether the other reports provide the

information required under the Danish State's accounting rules.

Based on the work we have performed, we conclude that the other reports are in accordance with the financial statements and have been prepared in accordance with the requirements of the Danish State's accounting rules. We did not identify any material misstatement of the Management's review.

#### **Report on other legal and regulatory requirements**

##### **Statement on compliance audit and performance audit**

Management is responsible for ensuring that the transactions included in the financial reporting comply with appropriations granted, legislation and other regulations and with agreements entered into and usual practice and that due financial consideration has been taken of the management of the funds and operations of the activities covered by the financial statements. Consequently, Management is responsible for establishing systems and procedures supporting economy, productivity and efficiency.

In performing our audit of the financial statements, it is our responsibility to perform compliance audit and performance audit of selected items in accordance with public auditing standards. When conducting a compliance audit, we test the selected items to obtain reasonable assurance as to whether the transactions covered by the financial reporting comply with the relevant provisions of appropriations, legislation and other regulations as well as agreements entered into and usual practice. When conducting a performance audit, we perform assessments to obtain reasonable assurance as to whether the tested systems, processes or transactions support due financial considerations in

relation to the management of the funds and operations of the entities covered by the financial statements.

We must report on any grounds for significant critical comments, should we find such when performing our work.

We have no significant critical comments to report in this connection.

Copenhagen, 15 April 2021  
EY Godkendt Revisionspartnerselskab  
CVR no. 30 70 02 28

**Peter Gath**  
State Authorised  
Public Accountant  
mne19718

**Morten Weinreich Larsen**  
State Authorised  
Public Accountant  
mne42791



# OPERATING REVIEW





## PRESENTATION

The IT University of Copenhagen (hereafter called IT University) is an independent university under the Ministry of Higher Education and Science.

## MISSION

The mission of the IT University is to provide internationally leading teaching and research, which enable Denmark to become exceptionally good at creating value with IT.

The IT University will create this value mainly via IT research and IT education.

## VISION

We create and share knowledge that is profound and leads to ground-breaking information technology and services for the benefit of humanity.

# STRATEGY

The main focus of the strategy for 2017-2021 is to increase, as much as possible, the number of people in Denmark creating value with IT in ways that meet the standards of leading-edge IT research.

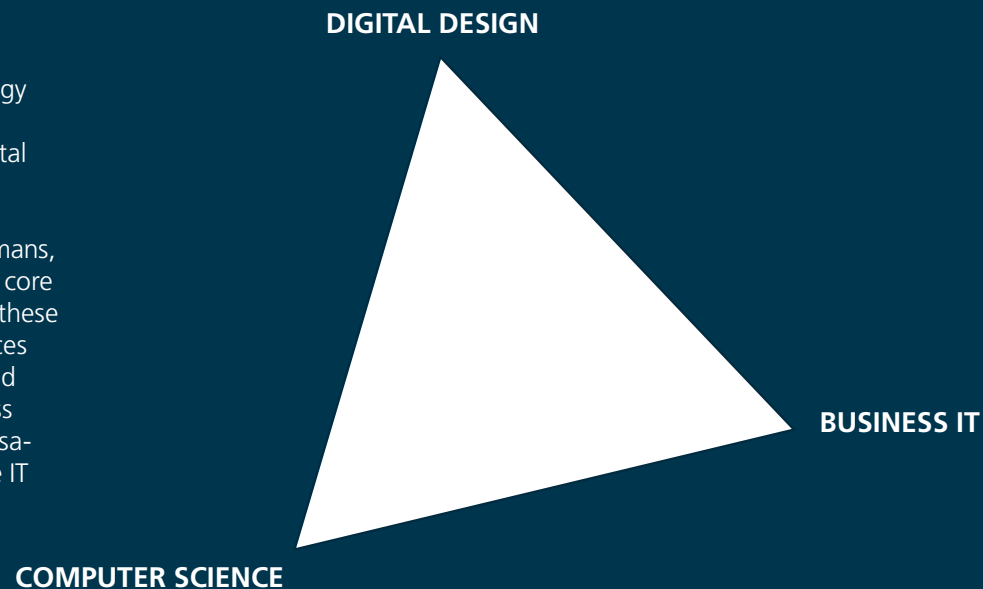
**In concrete terms the IT University works with the following areas of action:**

1. Increasing the number of highly educated IT professionals
2. Increasing the number of female IT professionals
3. Increasing quality and relevance of all study programmes
4. Increasing IT research within areas of major societal importance, specifically:
  - a. Digitalisation
  - b. Information security
  - c. Data science
5. Strengthening the IT subjects in primary and secondary education.

## Profile of the IT University

The essence of information technology is the creation, sharing and handling of mental concepts by means of digital technology.

Thus, it is the mental concepts of humans, or the intellect, which constitute the core of information technology. Some of these concepts are based in natural sciences and technology, some in the arts and some in the use of IT by the business community. This diversity of specialisation is expressed in the triangle of the IT University:



This view is decisive for the ability of the IT University to attract a large number of researchers and students to this area. As a university dedicated to IT, the IT University has the special advantage of being able to gather these very different approaches to IT in one organisation with common targets and strategy. The vision adds that the three different perspectives all must contribute to create and share knowledge that is profound and leads to ground-breaking information technology and services for the benefit of humanity.

The IT University has three departments corresponding to the three corners of the triangle: The Business IT Department, The Computer Science Department and the Digital Design Department.

**Work on the quality and relevance of the study programmes**

In 2016, the IT University achieved a positive institutional accreditation. The positive institutional accreditation is valid until 2022.

With the institutional accreditation, the IT University has systematised its quality assurance work considerably. The IT University's Quality Policy sets quality standards and describes processes to discover and handle any breach of these quality standards.

Plans for the use of the quality grant of the government grants in 2020 had to be adjusted early in the year due to the lockdown due to COVID-19. The focus in 2020 has therefore primarily been on maintaining the quality level of teaching despite the abrupt transition to full online teaching in the spring and partly online teaching in the autumn.

In 2020, the quality grant has contributed to the IT University developing guidelines for teachers and holding workshops and webinars for teachers and teaching assistants on online teaching and online exams.

The IT University's Learning Support Unit has also carried out a qualitative analysis of online teaching and on this basis disseminated several advices and recommendations to teachers for the benefit of the continued online teaching in the spring of 2021. The results of the analysis will also be used to further develop blended learning when, after COVID-19, it again becomes possible to focus on how in-person and online teaching best complement each other and contribute to increased quality in the study programmes.

The work on relevance is carried out in cooperation with the university's five Programme-Specific Employers' Panels and the overlying Executive-Level Employers' Panel. All Employers' Panels have met at least twice in 2020 and have submitted reports to the university offering assessments and recommendations. In October 2020, Tine Thorn, IT Development Manager at AP Pension, became the new chairman of the Executive-Level Employers' Panel.

## WORK OF THE BOARD OF DIRECTORS

The composition of the Board of Directors until the end of October was as follows: Maria Rorbye Ronn (Chairman), Lars Mathiesen (Deputy Chairman), Kristine Stenhuus, Lars Frelle-Petersen, David Basin, Karina Garnier Christensen, Mircea Lungu, Sebastian Mateos Nicolajsen and Sophia Aumüller-Wagner.

At the end of October, Maria Rørbye Rønn resigned as chairman of the board after being a member of the board for a maximum of eight years, and on 1 November, Carsten Krogh Gomard took over as the new Chairman of the Board of Directors. Lars Frelle-Petersen resigned from the Board of Directors at the end of 2020, and is per 1 April 2021 replaced by Christina Hvid. Karina Garnier Christensen and Sophia Aumüller-Wagner resigned from the Board of Directors at the end of 2020 and are per 1 January 2021 replaced by Anaya Mourad Jensen and Mikala Sofie Skoglund Thomsen.

In 2020, based on the IT University's overall strategy for 2017-2021, the Board of Directors has had a special focus on the role of the IT University to meet the demand for highly skilled IT specialists in Denmark, as well as building research capacity within digitalisation, information security and data science. The Board of Directors and the management have had the ambition to increase the number of admitted applicants on the university's study programmes and have worked purposefully to create the necessary framework for this.

At the Board of Directors' seminar in September 2020, the board had a first discussion of points of reference in the IT University's forthcoming strategy for 2022-2025. At the meeting in November 2020, a first draft of overall strategic objectives was approved and sent for consultation among staff and students. This consultation will end in February 2021.

The Board of Directors of the IT University continues to focus on the gender balance among students, and in 2020, just like in 2019, targets have been set for the number of female students on the BSc study programmes in Software Development and Data Science.

Finally, the Board of Directors has regularly discussed the IT University's work with information security, including the general threat level for the sector – not least considering the COVID-19 lockdown and increased amount of online teaching and working at home.

# STRATEGIC FRAMEWORK CONTRACT

2020 was the third year in the period of the Strategic Framework Contract for 2018-2021. In the contract period, the strategic targets for the IT University are:

1. Increasing the capacity of research-based education of technical IT professionals
2. Increasing the number of female technical IT professionals
3. Achieving a high learning outcome for all students
4. All graduates should achieve good career opportunities
5. Strengthening IT research within areas that reflects societal needs
6. Strengthening the IT subjects in primary schools and high schools by co-operation and exchange of knowledge.

Based on an assessment of the progress made in realising each of the six strategic targets of the Strategic Framework Contract, the IT University has prepared a statement for 2020. The conclusions of the statement are presented in the chapter [Reporting of the Strategic Framework Contract for 2020](#).



# FINANCIAL RESULTS FOR THE YEAR

The IT University's total realised income has increased by DKK 2.2 million from 2019 to 2020. However, the real income increase has been DKK 18.5 million. The difference is due to a technical change in the government rental scheme, where the annual rent expenses have been reduced by DKK 16.3 million and a corresponding amount has been set off against the government grants.

The result before financial income and expenses is DKK -5.4 million, which is DKK 16.1 million higher than the budget of DKK -21.5 million. In addition to the technical rent reduction of DKK 16.3 million, the total expenses are particularly affected of the campus lockdown and the general travel restrictions during COVID-19.

## Government grants and tuition fees

Government grants and tuition fees are DKK 4.9 million less than budgeted. The decrease is primarily due to the change in the government rental scheme in the university sector, where the rental payment has been reduced to market level, and the IT University's fixed government grants have been reduced correspondingly by DKK 16.3 million.

The reduction in the Government base grants is counteracted by a major increase in the activity-specific grants of DKK 11.0 million in 2020. The increase is partly due to increased study activity during COVID-19 and partly to an increase in admission of students, which is financed by temporary grants from the ministry's central STEM Pool and Government COVID-19 grants.

## External research funding

Income from externally funded research of DKK 38.4 million exceeded the budget of DKK 33.4 million by DKK 5.0 million.

The total project costs are composed of 73 per cent personnel expenses, 5 per cent operating costs and 22 per cent overhead costs for buildings, IT and administration etc.

## Other income

Rental income and other income of DKK 8.6 million is DKK 1.3 million less than budgeted. This is primarily due to COVID-19 restrictions, which since March have meant very limited access to the university, which has particularly affected activities such as rental of meeting rooms, ITU Professional Courses and business collaboration between the Student Affairs and Programmes Department and companies.

## Personnel expenses

Personnel expenses of DKK 236.6 million exceed the budget of DKK 222.9 million by DKK 13.7 million, of which DKK 6.1 million alone for employments on externally funded research projects.

Personnel expenses for academic staff exceed the budget by DKK 3.0 million, including increased costs for teaching assistants and others who have supported the transition from

**TABEL 1: Financial result of the year (DKK M)**

	Realised 2018	Realised 2019	Realised 2020	Budget 2020	Budget 2021
Income	298.9	340.5	342.7	343.8	355.6
Government grants and tuition fees	259.0	294.4	295.6	300.5	301.3
External research funding	29.9	36.1	38.4	33.4	40.3
Other income	9.9	10.1	8.6	9.9	14.0
Expenses	299.5	334.1	348.0	365.4	364.0
Personnel expenses	191.9	210.4	236.6	222.9	240.6
Ordinary operating costs	107.6	123.7	111.4	142.5	123.4
Profit before financials	-0.5	6.5	-5.4	-21.5	-8.4
Financials	-1.4	2.8	2.1	0.9	0.9
Profit/loss for the year	-2.0	9.3	-3.3	-20.6	-7.5
Equity at 31 December	74.2	83.5	80.2	62.9	72.7

\* Equity at 31 December for budget 2020 and 2021 are adjusted based on the realised results in 2019 and 2020.

in-person to online teaching (DKK 1.2 million) as well as focus on recruitment for staffing of courses (DKK 1.8 million).

Personnel expenses for technical and administrative staff exceed the budget by DKK 2.4 million. This is primarily a matter of recruitment for building operations associated with the expanded campus and upgrading of support for researchers and Heads of Departments.

Other personnel expenses are DKK 3.0 million higher than budgeted. This is due to both an increase in the number of employees and the holding of fewer vacation days than usual in 2020.

#### Ordinary operating costs and depreciations

Ordinary operating costs of DKK 111.4 million are DKK 31.1 million lesser than the budget of DKK 142.5 million.

The significant deviation is primarily due to the change in the government rental scheme for universities where the annual rent payment has been reduced by DKK 16.3 million and fixed government grants reduced accordingly.

In accordance with government accounting policies, the provision for the re-establishment of Ruud Langgaards Vej of DKK 2.9 million

has lapsed and been recognized as income in connection with the change.

Several other operating costs are affected by COVID-19 restrictions. A few notable examples are:

- Marketing costs have been reduced by DKK 1.1 million compared to 2019, as many outreach activities were canceled or converted to online events.
- Travel expenses have been reduced by DKK 4.1 million compared to 2019 due to COVID-19 travel restrictions.
- Expenses for rent and building operations, including the establishment of an expanded campus were DKK 6.2 million less than expected. This is primarily due to delayed takeover of new leases as well as lower costs for maintenance, cleaning and energy due to the lockdown for much of 2020.

In addition, the establishment of a new server room with a budget of DKK 3.5 million has been delayed. The project will be completed in 2021.

Finally, in accordance with the Danish State's accounting rules, the IT University has made several major acquisitions for DKK 1.4 million

associated with the expanded campus, i.e. the acquisitions will be depreciated and expensed over a number of years.

#### Financials

The financials exceed the budget of DKK 0.9 million by DKK 1.2 million.

#### Liquidity

The IT University's cash and cash equivalents have increased from DKK 46.1 million to DKK 88.0 million, which is primarily due to an increase in prepaid restricted grants for externally funded research.

# ACADEMIC PERFORMANCE FOR THE YEAR

## RESEARCH

Research at the IT University has had a great impact in 2020. This has been achieved, among others, through visibility in the media, participation in debates and by establishing a new research center, Center for Computing Education Research. It is also extremely positive that the researchers at the IT University have attracted external research funding of a magnitude as never seen before. In addition, all of the IT University's research publications are once again registered as Open Access publications.

Below is a short status on research at the IT University in 2020.

### Strengthening the reputation

Several researchers have received awards and acknowledgements for their research in 2020. Bent Flyvbjerg became the first Honorary Doctor of the IT University. Bent Flyvbjerg is Professor and Academic Lead of Oxford University's research and education programmes in Major Programme Management, and he is known for his groundbreaking research in the management of large-scale projects, including in the field of IT. Bent Flyvbjerg is the most quoted researcher in the world when it comes to the management of large-scale projects. He has authored or edited ten books and written more than 200 articles in professional journals.

Professor Philippe Bonnet was awarded the prestigious SIGMOD Contributions Award for his database research. The SIGMOD Contributions Award is one of the world's most prestigious prizes in the field of database

systems and is awarded by the ACM Special Interest Group on Management of Data. Philippe Bonnet receives the award for his innovative contribution to research in scientific reproducibility in publications on database systems.

Professor Roman Beck is among the most significant academics in his field according to an international ranking list. The German business magazine *WirtschaftsWoche* had Roman on a list of the 100 best German, Austrian and Swiss researchers in business administration.

The IT University's researchers Morten Hjelholt and Jannick Schou have been awarded the international "Herbert Gottweis" Prize for a critical analysis of Danish digitalisation strategies. The political influence of digitalisation on how we as citizens act in relation to the state and vice versa has been ignored – or at least greatly underestimated, they argue in the research article "Digitalizing the welfare state: citizenship discourses in Danish digitalization strategies from 2002 to 2015". The international "Herbert Gottweis" Prize is an honor for the best critical, political research article, and it is awarded by the international academic publisher Taylor & Francis.

Associate Professor Roberta Sinatra received the Complex Systems Society's Junior Scientific Award for her pioneering contribution to research on science and success. Roberta's research on science and success has had a major impact in several areas of research from "network science" to "computational social science".

Professor Thore Husfeldt represents the IT University's contribution to the new large-scale online encyclopedia, *lex.dk*. "Den store Danske", "Trap Danmark" and several other encyclopedias have been relaunched on the online platform *lex.dk*. This gives everyone in Denmark free digital access to more than 200,000 advertising-free articles, which are updated by the leading researchers of the country. This is done by agreement with the Minister for Culture and the Minister of Children and Education.

In 2020, Steffen Dalsgaard, Helena Karasti and Dag Svanæs were appointed professors at the IT University. Steffen Dalsgaard is researching in how digital technologies affect social and cultural life. Helena Karasti's research domain includes participatory design and computer supported collaborative work. Dag Svanæs is researching in human-computer interaction.

The IT University's researchers have often contributed to the media in 2020 on, for example, blockchain technology, computer games, artificial intelligence and data and IT security. The documentary "Kill Chain: The Cyber War on America's Elections", which premiered on HBO Nordic in 2020, blurs the IT security of the American electoral system. The IT University's professor Carsten Schürmann was to be found in one of the scenes of the movie, where he without much difficulty is hacking an American voting machine. Carsten already beforehand knew the weaknesses of the voting machine, so in a few minutes he had gained full control of it.

The research project "Data as Relation" launched a podcast series, exploring the public sector's use of big data. During five episodes the researchers are going into depth with topics such as surveillance, GDPR, big data in the media world and the tech world's notions of the future. The research project explores how big data is generated, negotiated and used in connection with the digitalisation of the public sector, and works with a hypothesis that digitalisation means that the state is reinvented and not just upgrading an earlier version of itself. In each episode, Assistant Professor James Maguire invites a researcher into the studio to talk about the research that inspires the project and the perspectives that the research provides.

Cyber attacks are among the most pronounced threats against Denmark, according to the annual Intelligence Risk Assessment from the Danish Defense Intelligence Service. The threat from cyber crime and cyber espionage is aimed at both Danish companies and public authorities. Professor of cyber security Carsten Schürmann was on TV2 with the message that not enough has been done in the last 20 years to secure critical infrastructure against hacker attacks.

During 2020, a new PlayStation and Xbox have hit stores. The new large consoles will have an impact on the entire gaming industry because they set the bar for how the biggest computer games will look and work. The games will be more realistic in the future,



the associate professors Martin Pichlmair and Pawel Grabarczyk told DR.

Denmark has an indicator for Open Access publication of research results. When releasing the indicators in 2020, the IT University was again a clear number one among all Danish universities. For the second year in a row, all publications of the IT University were registered as Open Access publications, while the second best Danish university had registered 73 per cent of its publications as Open Access publications and the national average was 52 per cent.

#### External research funding

In 2020, the IT University received external research funding for a total of DKK 88.8 million, which surpasses the largest annual received amount to date in the university's history from 2019 by more than DKK 25 million. Listed below are some of the externally funded projects that were realised in 2020 or will be realised in 2021, as well as the allocated grants for the IT University for each of them.

Professor Andrzej Wasowski received DKK 6.6 million of a total grant of DKK 30 million from the EU Framework Programme H2020 (Marie Skłodowska-Curie Actions ITN) for the project entitled REMARO, where the IT University is the coordinator. The aim of the project is to develop a joint European education of 15 PhDs who will develop underwater robots that can, for example, be used for fighting pollution.

Associate Professor Bernardo Machado David received DKK 6.2 million from the Independent Research Fund Denmark's Sapere Aude programme for the project "Foundations of Privacy Preserving and Accountable Decentralized Protocols". The purpose of the project is to focus on the problem of processing sensitive data, which must remain private, while at the same time making it possible to check that the data is not misused.

Associate Professor Pinar Tözün received DKK 6.2 million and DKK 3.3 million from the Independent Research Fund Denmark's Sapere Aude programme and Inge Lehmann programme for the project "RAD: Resource-Aware Data Science". The purpose of the project is to develop new techniques to significantly reduce hardware needs of data science researchers so that they can use and share their hardware resources more efficiently, and thereby reducing CO2 footprints.

Associate Professor Roberta Sinatra received DKK 5.9 million from the VILLUM FONDEN's prestigious VILLUM Young Investigator programme for the project "Bias Explained: Pushing Algorithmic Fairness with Models and Experiments". The purpose of the project is to uncover the relationship between researchers' results and success in selected sciences.

Professor Philippe Bonnet and Associate Professor Pinar Tözün received DKK 3.8 million from the EU Framework Programme H2020 for the Daphne project, of which the

IT University is a partner. The purpose of the project is to build a decision analytical network for participatory and integrated planning.

Professor Yvonne Dittrich received DKK 3.6 million from the Innovation Fund Denmark (a bilateral cooperation outside Europe) for the interdisciplinary project "Sustainable Irrigation Advisories for Mid-Himalayan Farmers using Smart Satellite Image Analytics". The project aims at developing advice on sustainable irrigation for mid-Himalayan farmers by developing functionality based on analysis of satellite images.

Associate Professor Jichen Zhu received DKK 3.2 million from the Novo Nordisk Foundation's Start Package grant programme for the project "AI to design novel intelligent user experience (IUX) for wellbeing". The purpose of the project is to establish an interdisciplinary research group at the IT University's Department of Digital Design.

Associate Professor Zsolt István received DKK 3.2 million from the Novo Nordisk Foundation's Start Package grant programme for the project "Privacy through Co-Design for Real-World Data Analytics in the Cloud". The project aims to reduce the cost of data monitoring and tracking in various applications used to enforce privacy and data protection.

Professor Kasper Støy received DKK 3.0 million from the EU Framework Programme H2020 for the project "BIG-MAP: Battery Interface

Genome - Materials Acceleration Platform", of which the IT University is a partner. The project promises a result where the pace of development of a safer, longer-lasting and sustainable ultra-high-performance batteries will increase very much.

Associate Professor Søren Debois has received DKK 2.9 million from the Independent Research Fund Denmark for the project "Distrust: Distributed business process execution under partial trust". The overall target of the project is to find methods to have efficient IT systems that work with many participants and many transactions, even if not all participants fully trust each other.

Assistant Professor Christoph Seidl has received DKK 2.9 million from the Independent Research Fund Denmark for the project "Immersive Software Archeology (ISA) - Guided Exploitation of Legacy Systems in 3D Virtual Reality". The project will create a virtual reality representation of a software system that can be explored interactively, e.g. a city with buildings and streets that represent modules, functions and dependencies.

Associate Professor Rachel Douglas-Jones has received DKK 2.8 million from the Independent Research Fund Denmark for the project "Moving Data-Moving People: Reorganizing Trust through China's Social Credit System". The project will, among others contribute with new knowledge

about culturally rooted understanding of the interplay between technology and trust in China, as well as a new interpretation of the conditions for China's mobile population, as they achieve a lifestyle reminiscent of the middle class.

### New research centers

In 2020, the IT University has established a new internal research center, Center for Computing Education Research. In addition, the IT University is part of the new national center for research in digital technologies, DIREC, and of the newly established European network for AI, ELLIS.

#### *Center for Computing Education Research*

Many people get nervous even about the thought of learning about computing, e.g. a programming language. But that does not have to be that way. The Center for Computing Education Research (CCER) aims to promote technology understanding and increase the desire to learn about IT at a time where there is a shortage of digital competences. The center is based at the IT University, where an interdisciplinary research group will create the necessary knowledge to ensure that young people in education become familiar with IT concepts such as programming, IT security and artificial intelligence, as well as how these concepts affect our everyday lives and the society, we live in.

#### *DIREC*

The IT University is part of the national research center for digital technologies, Digital Research Center Denmark (DIREC), which is completely unique in several ways. In part, this is the first time that almost all computer science research environments at Danish universities have joined forces to establish a research center. Furthermore, the grant of Innovation Fund Denmark of DKK 100 million to the center is the largest in the history of the fund. The center will contribute to solve Denmark's major capacity challenge in the digital field by attracting foreign talented researchers and by educating more graduates and researchers. In addition, DIREC will collaborate with Danish private and public companies and bring new knowledge and the latest digital technologies into action with them.

#### *ELLIS*

Professor Sebastian Risi is part of a new European network in artificial intelligence and machine learning, the European Laboratory for Learning and Intelligent Systems (ELLIS). The ELLIS network gathers the research areas most talented European researchers, who together will ensure the European foothold within artificial intelligence. A total of 10 European countries are represented in terms of 17 different units. The new unit in Copenhagen consists of researchers from the IT University, the Technical University of Denmark and the University of Copenhagen. ELLIS has the ambition to take advantage of the research and investment opportunities that exist in Europe, rather than in the USA and China.

### Contributing valuable research

A comprehensive study of the careers of 1.5 million researchers shows that women and men on average produce the same number of scientific articles annually, but that women leave their research careers earlier. Associate Professor Roberta Sinatra, who is co-author of the study, believes that decision-makers should take a closer look at the reasons why women leave academia.

A widespread technology developed to create content for video games can be used to teach robots to solve new tasks, writes professor at the IT University Sebastian Risi in an article published in the renowned scientific journal "Nature Machine Intelligence". Risi has written the article in collaboration with the former researcher at the IT University, Julian Togelius, who is currently Associate Professor at New York University. According to the authors, "Procedural Content Generation" can make it easier to train the abilities of robots to solve a given task in a computer simulation.

Tech companies need to learn to talk about the ethical aspects of their product. This is the opinion of Associate Professor Irina Shklovski, who has headed a recently completed research project to equip developers to make ethical decisions. For three years, researchers at the IT University and partners from four institutions have developed specific tools for companies that make products connected to the Internet of Things (IoT). The tools make it easier for designers to address ethical issues and societal challenges right from the start of the design phase.

Associate Professor at the IT University Leon Derczynski, together with an English research group, has shown that on days with many tweets about depression and schizophrenia, there are more inquiries at two psychiatric crisis centers in London. The researchers' study has been published in one of the world's most recognized scientific journals, "Nature's Scientific Reports". The study was carried out in collaboration with several English research groups and led by Dr. Anna Kolliakou from King's College London.

There has been a decrease in the number of bibliometric points, BFI, which are calculated by the Danish Agency for Research and Education with a delay of almost one year. For 2019, a total of 194 points were calculated versus 255 the year before, cf. table 2. There has been a small increase in terms of the number of peer-reviewed publications, as in 2020 254 peer-reviewed publications were registered versus 234 in 2019.

There has been an increase in the number of externally funded research projects from 93 in 2019 to 100 in 2020. At the same time, there has been a slight decrease in the number of cooperation projects with the business sector from 37 in 2019 to 33 in 2020 while financial cooperation with the business sector has increased from DKK 15.1 million in 2019 to DKK 15.7 million in 2020.

One invention was registered in 2020 just like in 2019. No patent application was submitted in 2020, where in 2019 one patent application was submitted. As in 2019, the IT University had no patents issued in 2020, cf. the table with key financial figures and ratios.

### Entrepreneurship

The IT University is one of several Danish universities participating in the project “Open Entrepreneurship”, which is meant to increase innovation in Danish companies by means of research-based knowledge. The initiative is supported by the Danish Industry Foundation, and contributes to the IT University's establishment of an innovation unit. In 2020, the innovation unit received a grant for the development of an entrepreneurship strategy from The Danish Foundation for Entrepreneurship. This work will be carried out in 2021. In addition, a model has been established for companies' memberships of the IT University's research centers.

### The PhD School

In 2020, the IT University admitted 22 new PhD students and 12 PhD students graduated. Several of the PhD students received attention in 2020. PhD student Sunniva Sandbukt received an EliteForsk travel grant of DKK 200,000, which is used for a stay abroad at the University of California, Irvine. Sunniva is researching in the social infrastructure of digital payment service platforms as well as the cultural significance such platforms are given in an urban context, here with emphasis on Indonesia.

The year 2020 was marked by COVID-19. With this imprint, the PhD School has focused on meeting the PhD students' many and diverse challenges by, among others, developing and reorganising certain elements of the PhD programme into an exceptionally, digital format. This includes new guidelines for digital/hybrid PhD defenses. The PhD School also increased its efforts as a social unifying force by holding online coffee and lunch meetings with topics that in various ways address the IT University's PhD students.

**TABLE 2: Research full-time equivalents, PhD theses and publications**

	2016	2017	2018	2019	2020
Number of admitted PhD students	18	15	13	20	22
Approved PhD theses	15	11	13	10	12
PhD students (full-time equivalents)	32	39	33	40	41
VIP: Assistant professors, associate professors and professors (full-time equivalents)	76	77	86	94	107
Number of publications (peer-reviewed)	231	230	256	234	254
Publication points	236	248	255	194	*

\* Unfortunately, the figures from the Danish Agency for Science and Higher Education were not available at the completion of the Annual Report.

## EDUCATION

The IT University has experienced a very good interest from applicants in relation to the total number of students that the university's financial framework enables. In 2020, the IT University received 1,807 applications for the BSc study programmes – the highest number ever – as well as 1,195 applications for the university's MSc study programmes.

As a consequence of the introduction of the international dimensioning, the admission requirement in relation to Danish language proficiency at the BSc study programmes in Data Science and Global Business Informatics was tightened in 2019. In 2020 the admission requirement for the BSc study programme in Data Science was changed back, so that English-speaking applicants could apply again. This has resulted in the total number of applicants for the BSc study programme in Data Science in 2020 again being at the same level as the number of applicants in 2018.

Political agreements on one-time financial grants in relation to STEM study programmes and COVID-19 have made it possible to admit about 70 additional BSc students in 2020 compared to 2019.

The total number of enrolled BSc and MSc students is increasing, and the number of BSc and MSc graduates has also increased significantly from 2019 to 2020, cf. table 3. This has happened despite the spring's COVID-19 lockdown, which meant that all teaching and exams in the spring semester from March 2020 were transferred to online implementation.

The number of applications for the part-time study at the IT University, the Master's study programme in IT Management, remains satisfactory. A revision of the study programme was started in 2019 and a revised version will be offered in 2021. The total number of enrolled master's and diploma students as well as the number of full-time students equivalents obtained by part-time students has been declining over several years as the IT University has stopped the admission of students on the diploma study program and two master's study programmes.

In September 2020, the Board of Directors decided to open for admission to a new MSc study programme in Data Science in 2021.

**TABLE 3: Enrolled students, full-time student equivalents, graduates and completion times**

	2016	2017	2018	2019	2020
Applicants for the MSc study programmes	1,881	1,707	1,217	1,130	1,195
Admitted MSc students	479	498	517	507	536
Enrolled MSc students	1,106	1,049	1,088	1,123	1,164
Graduated MSc students	414	470	380	391	454
Completion time. MSc students (years)	2.3	2.0	1.8	1.8	1.8
Applicants for the bachelor study programmes	1,165	1,715	1,787	1,577	1,807
Admitted bachelor students	273	333	341	364	433
Enrolled bachelor students	682	762	861	963	1,099
Graduated bachelor students	169	169	156	169	228
Completion time. bachelor students (years)	2.8	2.8	2.8	2.8	2.8
Number of full-time student equivalents	1,361	1,357	1,445	1,582	1,702
Admitted master's/diploma students	69	52	40	42	41
Enrolled master's/diploma students	567	493	431	243	200
Number of full-time student equivalents obtained by part-time students	96	75	94	68	54

*Note: Full-time student equivalents are calculated at 31 August. Students and graduates are calculated at 30 September. The completion time, which is 1.8 years for MSc students, is calculated as the median of the number of commenced study months for graduates who complete their MSc degree in the period 1 October to 30 September. The same method is used for bachelor students.*

# OUTLOOK FOR THE COMING YEAR

The current strategy for the IT University expires in 2021, and work on a new strategy for 2022-2025 has begun. In the spring of 2021, staff and students will be involved in the strategy work, and the strategy is expected to be completed in June 2021. In parallel, negotiations will begin with the Ministry of Higher Education and Science on a new Strategic Framework Contract for 2022-2025.

In December 2019, the IT University signed a rental agreement with DR for renting approximately 9,300 square meters in DR Byen. The rented premises lie in immediate vicinity of the university's current building and are going to house teaching, research and administration. The rental ensures that the IT University can increase the activities in the coming years. The rented premises was taken over on 1 March 2020, and the move-in was completed just after the summer holidays of 2020.

In 2020, the IT University significantly increased the total volume of the externally funded research projects, and in 2021 the university will continue to work on attracting externally funded research projects and ensuring financial sustainability in relation to the repatriation of external research funding.

The budget for 2021 shows a net deficit of DKK 7.5 million with a related equity forecast as at 31 December 2021 of DKK 72.7 million, cf. table 1. The deficit is primarily due to a delay in renting out vacant premises following the expansion of the campus in 2020.





# FINANCIAL STATEMENTS



# APPLIED ACCOUNTING POLICIES

## Basis of accounting

The annual report for the IT University has been prepared in accordance with Executive Order no. 1021 of 24 June 2020 on Grants and Auditing, etc., of Universities.

The applied accounting policies are consistent with those of previous year.

## Recognition and measurement

Assets are recognised in the balance sheet when it is probable that future economic benefits will flow to the university and the value of the asset can be reliably measured.

Liabilities are recognised in the balance sheet when an outflow of economic benefits is probable and when the liability can be reliably measured.

On initial recognition, assets and liabilities are measured at cost. Subsequently, assets and liabilities are measured as described below for each individual item.

In recognising and measuring assets and liabilities, probable economic benefits and liabilities occurring prior to the presentation of the annual report that evidence conditions existing at the balance sheet date are taken into account.

## Foreign currency translation

Receivables, payables and other items denominated in foreign currencies that have not been settled at the balance sheet date are translated using the exchange rate at the balance sheet date.

## Corporation tax and deferred tax

The IT University is not liable to pay tax.



## INCOME STATEMENT

### ITEMS OF INCOME

#### General matters

The income of the IT University includes government grants for basic research, grants per student and operating income from the ordinary government appropriation. In addition, the university receives donations and grants, income from cooperation agreements, student fees from part-time programmes and income from other commercial activities.

#### Government grants

The IT University is entitled to government grants, and the grants to the university are disclosed in the Finance and Appropriation Act. Grants are recognised as income in the period to which they relate.

Grants per student are paid on account on a monthly basis based on the anticipated number of full-time equivalents. Every year in October, the actual production of full-time equivalents is calculated, and the on account payments are adjusted.

#### External grants and donations

Grants and commitments, including income from cooperation agreements subject to conditions of use by the grantor, are recognised as income as the costs are paid.

Grants that are not subject to conditions are recognised as income at the time of receipt.

#### Financial income

Financial income comprises return in the form of interest and dividend from investments in shares, bonds and investment fund shares as well as value adjustments of securities recognized at the quoted price of the individual securities at the balance sheet date.

#### Tuition fees for part-time programmes, other commercial activities and rental income

The income is recognised in the period to which it relates.

### COSTS

Costs include external costs incurred for the activities of the year. Costs comprise staff costs, consumables, services, insurance premiums, maintenance costs and other operating costs of running the university.



## BALANCE SHEET

### Intangible assets

Software is capitalised when it is vital to the task handling of the university, and when its size and useful life are significant.

Only costs related to the development process and which result in a real increase in value are capitalised. Costs incurred during the initial phase and the phases of operation are recognised as expense.

Software is measured at cost less accumulated amortisation. Amortisation is provided on a straight-line basis over the expected useful lives of the assets from the date when the assets are available for use. The expected useful life is five years.

### Property, plant and equipment

IT and AV equipment, machinery, tools and equipment as well as leasehold improvements are measured at cost less accumulated depreciation.

Cost comprises the purchase price and any costs directly attributable to the acquisition as well as costs for preparing the assets for use.

Depreciation is provided on a straight-line basis over the expected useful lives of the assets. The expected useful lives are as follows:

IT and AV equipment .....	3 years
Machinery, IT systems, tools and equipment .....	5 years
Leasehold improvements .....	10 years

Assets with a cost of less than DKK 100,000 per item are expensed in the year of acquisition. For this purpose, the IT University does not aggregate assets.

### INVESTMENTS

#### Investments in subsidiaries

Entities in which the university holds the majority of the votes or in some other way exercises control are considered subsidiaries. Investments in subsidiaries are recognised at acquisition at cost.

#### Impairment write-downs

The carrying amount of intangible assets, property, plant and equipment and financial assets is subject to an annual test for indications of impairment. Impairment losses are recognised in the income statement.

#### Securities

Securities comprise investments in bonds, shares and investment fund shares that are recognized in accordance with the quoted price of the individual securities at the balance sheet date, including accrued interest.

#### Collections and works of art

The IT University has received works of art from various donors. In accordance with the accounting rules of the Government, these works of art are not recognised at a value.

### Receivables

Receivables are measured in the balance sheet at nominal value less write-down for bad debt losses. Write-down for bad debt losses is based on an individual assessment of receivables.

#### Externally funded activities in progress

On an ongoing basis, the IT University enters into agreements with businesses, public institutions and private organisations on research activities. The activities funded by the grantor are set out in the agreements. To the extent that the IT University incurs costs for activities that are funded under the agreements, but for which the grants have not yet been paid, the grants to which the IT University has obtained a right are recognised as receivables from externally funded activities in progress.

Grants received, covering costs that have not yet been paid, are recognised as prepaid restricted grants.

The IT University charges a fee to cover overhead costs related to grant activities. The fee is recognised as income as the grants are used.

As a project coordinator of grant-financed research projects, the IT University manages the total grants, which are in the balance sheet and passed on to participating parties.

Provision for bad debt losses is made on the basis of an individual assessment of the individual externally funded activities

in progress and as a general provision for unforeseen losses. The provision is set off against receivables from externally funded activities.

### Prepayments and deferred income

Prepayments comprise costs incurred concerning subsequent financial years. Prepaid costs relate to rent, insurance premiums, subscriptions and prepaid wages and salaries, etc. Deferred income comprises payments received concerning income in subsequent years.

### Liabilities

Liabilities other than provisions are measured at amortised cost, which is in all material respects equivalent to the nominal value.

### Provisions

Provisions are recognised when, as a result of past events, the university has a legal or a constructive obligation and it is probable that there may be an outflow of resources embodying economic benefits to settle the obligation.

### Contingent liabilities

Contractual obligations and contingent liabilities include liabilities related to leases and pending litigation against the university that the university will most likely not have to settle.

## CASH FLOW STATEMENT

The cash flow statement shows the university's cash flows from operating, investing and financing activities for the year, the year's changes in cash and cash equivalents as well as the university's cash and cash equivalents at the beginning and end of the year. The cash flow statement cannot be derived solely from the published accounting records.

### Cash flows from operating activities

Cash flows from operating activities are calculated as the surplus for the year adjusted for non-cash items, such as depreciation, amortisation and impairment losses, as well as changes in working capital, interest received and interest paid. Working capital comprises current assets, excl. cash and cash equivalents less current liabilities other than provisions.

### Cash flows from investing activities

Cash flows from investing activities comprise cash flows from acquisitions and disposals of intangible assets, property, plant and equipment and investments.

### Cash flow from financing activities

Cash flows from financing activities comprise cashflow from raising and repayment of longterm debt and securities.

## STAFF ACCOUNTING

The IT University recognizes all categories of staff in the staff account in accordance with Universities Denmark's definition manual. Persons paid in the form of fees are not included in the number of employees in the Staff Accounts, ie. external assessors and external examiners as well as guest teachers.

## SEGMENT INFORMATION

Presentation of income, staff costs and operating costs follow the public sector chart of accounts.

## FINANCIAL HIGHLIGHTS

Financial highlights are prepared in accordance with section 23(2) of Executive Order on Grants and Auditing. The IT University uses the definition manual for the statistics of Universities Denmark.

Costs based on purposes follow "Vejledning om hovedområde- og formålsfordeling af universiteternes omkostninger" (Guidelines on classification by main area and purpose of the costs of the universities) issued by the Ministry of Higher Education and Science in December 2012. An effort is made to ensure that as many of the university's costs as possible are attributed directly to professional purposes, i.e. education, research as well as communication and exchange of knowledge. Costs which cannot be attributed to these categories are classified by means of sharing keys.

# INCOME STATEMENT 1 JANUARY – 31 DECEMBER

Note		2020 DKK'000	2019 DKK'000
1	Government grants	289,809	287,395
2	Tuition fee	5,780	6,963
3	External research funding	38,449	36,113
4	Other income	8,614	10,065
	<b>Total income</b>	<b>342,652</b>	<b>340,535</b>
5	Staff costs	236,623	210,367
	Depreciation, amortisation and impairment losses	1,348	1,421
6	Other ordinary operating costs	110,077	122,265
	<b>Total ordinary operating costs</b>	<b>348,047</b>	<b>334,053</b>
	<b>PROFIT/LOSS FROM ORDINARY ACTIVITIES</b>	<b>-5,395</b>	<b>6,482</b>
7	Financial income	2,389	4,291
8	Financial expenses	325	1,516
	<b>Total financial income and expenses</b>	<b>2,064</b>	<b>2,775</b>
	<b>PROFIT/LOSS FOR THE YEAR</b>	<b>-3,331</b>	<b>9,257</b>
<b>DISTRIBUTION OF PROFIT</b>			
		2020 DKK'000	2019 DKK'000
	Predisposed to retained earnings	-3,331	9,257
	<b>Total distribution of profit</b>	<b>-3,331</b>	<b>9,257</b>

# BALANCE SHEET AT 31 DECEMBER

## ASSETS AT 31 DECEMBER

Note	2020 DKK'000	2019 DKK'000
Software	520	1,221
<b>9 Total intangible assets</b>	<b>520</b>	<b>1,221</b>
Leasehold improvements	4,483	3,773
IT equipment	575	84
Fixtures and fittings, tools and equipment	1,217	0
<b>9 Total property, plant and equipment</b>	<b>6,275</b>	<b>3,857</b>
Investments in subsidiary	3,500	3,500
<b>10 Total investments</b>	<b>3,500</b>	<b>3,500</b>
<b>TOTAL NON-CURRENT ASSETS</b>	<b>10,295</b>	<b>8,578</b>
Trade receivables	7,816	9,529
Receivables from externally funded activities	3,974	6,834
<b>11 Other receivables</b>	<b>10,984</b>	<b>3,915</b>
Prepayment	717	2,163
<b>Total receivables</b>	<b>23,492</b>	<b>22,441</b>
<b>12 Securities portfolio</b>	<b>116,811</b>	<b>114,825</b>
Cash and cash equivalents	88,024	46,118
<b>Total cash</b>	<b>204,835</b>	<b>160,944</b>
<b>TOTAL CURRENT ASSETS</b>	<b>228,327</b>	<b>183,385</b>
<b>TOTAL ASSETS</b>	<b>238,622</b>	<b>191,963</b>

## EQUITY AND LIABILITIES AT 31 DECEMBER

Note	2020 DKK'000	2019 DKK'000
Equity at 1 January	83,497	74,240
Retained surplus	-3,331	9,257
<b>13 Total equity and liabilities</b>	<b>80,166</b>	<b>83,497</b>
Provision for re-establishment **	0	2,924
<b>Total Provisions</b>	<b>0</b>	<b>2,924</b>
Trade payables	20,609	18,598
Holiday allowance *	33,686	27,964
<b>14 Other payables</b>	<b>11,553</b>	<b>9,639</b>
Prepaid restricted contributions	63,119	18,156
Prepaid government grants	29,050	30,290
Other prepayments	439	895
<b>Total short-term</b>	<b>158,456</b>	<b>105,542</b>
<b>TOTAL EQUITY AND LIABILITIES</b>	<b>238,622</b>	<b>191,963</b>
<b>15 Mortgages and collateral</b>		
<b>16 Contractual obligations</b>		
<b>17 Contingent liabilities</b>		
<b>18 Staff accounts</b>		
<b>19 Segment information</b>		
<b>20 Commercial activities</b>		
<b>21 Management salary – Board of Directors</b>		
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<b>23 Related parties</b>		
<b>24 ITU Business Development</b>		
<b>25 Additional factors</b>		

\* Frozen holiday funds amounts to DKK 18.4 million of the total holiday pay allowance.

\*\* In accordance with government accounting policies, the provision for the re-establishment of Ruud Langaards Vej of DKK 2.9 million has lapsed and been recognized as income in connection with the change.

# CASH FLOW STATEMENT 1 JANUARY TO 31 DECEMBER

Note	2020 DKK'000	2019 DKK'000
<b>Profit/loss for the year</b>	<b>-3,331</b>	<b>9,257</b>
Depreciation, amortisation and impairment losses	1,348	1,421
Profit and loss by sale of fixed assets	0	47
Changes in provisions	-2,924	43
<b>Reversal of items with no cash flow effect</b>	<b>-1,576</b>	<b>1,511</b>
Change in receivables	-1,050	-6,956
Change in current liabilities	52,914	5,182
<b>Change in working capital</b>	<b>51,864</b>	<b>-1,774</b>
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>	<b>46,957</b>	<b>8,994</b>
<b>9</b> Purchase and sale of intangible assets and property, plant and equipment	-3,065	-4,870
Value adjustment of financial fixed assets	0	1,500
<b>Cash flows from investing activities</b>	<b>-3,065</b>	<b>-3,370</b>
Purchase and sale of securities	-1,986	-4,159
<b>Cash flow from financing activities</b>	<b>-1,986</b>	<b>-4,159</b>
<b>CHANGES IN CASH AND CASH EQUIVALENTS</b>	<b>41,905</b>	<b>1,465</b>
Cash and cash equivalents at 1 January	46,118	44,654
<b>CASH AND CASH EQUIVALENTS AT 31 DECEMBER</b>	<b>88,024</b>	<b>46,118</b>

# NOTES TO THE FINANCIAL STATEMENTS

## 1. GOVERNMENT GRANTS

	2020 DKK'000	2019 DKK'000
Full-time education	154,485	136,555
Part-time education	1,668	2,081
Exchange students	408	480
Free university places and scholarships	1,315	1,824
Excess study time bonus	6,297	5,759
Employment bonus	5,286	5,422
Quality grants	954	931
Research	134,099	132,693
Other purposes	1,599	1,649
SEA reform *	-16,300	0
<b>Total government grants</b>	<b>289,809</b>	<b>287,395</b>

\* The government rental scheme has changed, which means that both the IT University's rent and base government grants have been reduced per 1 January 2020.

## 2. TUITION FEES

	2020 DKK'000	2019 DKK'000
Participants in part-time education	5,254	5,788
Other tuition fees	526	1,174
<b>Tuition fees in total</b>	<b>5,780</b>	<b>6,963</b>

## 3. EXTERNAL RESEARCH FUNDING

	2020 DKK'000	2019 DKK'000
Danish public research funding	16,142	7,902
Danish private research funds	13,326	12,882
EU research funds	6,156	13,071
Other foreign research funds	2,824	2,258
<b>Total external research funding</b>	<b>38,449</b>	<b>36,113</b>

## 4. OTHER INCOME

	2020 DKK'000	2019 DKK'000
Rental income	648	602
Other income	7,966	9,463
<b>Other income in total</b>	<b>8,614</b>	<b>10,065</b>

## 5. STAFF COSTS

	2020 DKK'000	2019 DKK'000
Wages and salaries	239,638	212,483
Refund of wages and salaries	-5,105	-3,989
Other staff costs	2,089	1,874
<b>Total staff costs</b>	<b>236,623</b>	<b>210,367</b>

## 6. OTHER ORDINARY OPERATING COSTS

	2020 DKK'000	2019 DKK'000
Rent	35,033	39,052
Other ordinary operating costs	75,043	83,213
<b>Total ordinary operating costs</b>	<b>110,077</b>	<b>122,265</b>

## 7. FINANCIAL INCOME

	2020 DKK'000	2019 DKK'000
Return on securities portfolio, profit	2,388	4,288
Other financial income	1	3
<b>Total financial income</b>	<b>2,389</b>	<b>4,291</b>

## 8. FINANCIAL EXPENSES

	2020 DKK'000	2019 DKK'000
Return on securities portfolio, loss	281	4
Write-down of investments	0	1,500
Other financial expenses	44	12
<b>Total financial expenses</b>	<b>325</b>	<b>1,516</b>

## 9. FIXED ASSET NOTE

	Software	Leasehold improvements	IT equipment	Fixtures and fittings, tools and equipment	Total
	DKK'000	DKK'000	DKK'000	DKK'000	DKK'000
Purchase price at 1 January	8,403	4,167	5,644	613	18,826
Additions during the year	0	1,133	577	1,355	3,065
Disposals during the year	0	0	-1,805	-543	-2,348
<b>Purchase price at 31 December</b>	<b>8,403</b>	<b>5,300</b>	<b>4,416</b>	<b>1,425</b>	<b>19,544</b>
Accumulated depreciations/amortisation and write-down at 1 January	7,182	394	5,560	613	13,749
Depreciation/amortisation and write-downs for the year	701	423	86	138	1,348
Reserved depreciation/amortisation for the year	0	0	-1,805	-543	-2,348
<b>Accumulated depreciations/amortisation and write-down at 31 December</b>	<b>7,883</b>	<b>817</b>	<b>3,841</b>	<b>208</b>	<b>12,748</b>
<b>Purchase price at 31 December</b>	<b>520</b>	<b>4,483</b>	<b>575</b>	<b>1,217</b>	<b>6,795</b>



## 10. FINANCIAL FIXED ASSETS

	2020 DKK'000	2019 DKK'000
Equity investments in ITU Business Development A/S	3,500	3,500
<b>Total equity investments in subsidiary</b>	<b>3,500</b>	<b>3,500</b>

## 11. OTHER RECEIVABLES

	2020 DKK'000	2019 DKK'000
Receivables VAT compensation	0	0
Receivables wages and salaries and refund of wages and salaries	1,122	1,340
Receivables deposits	7,740	446
Other receivables	2,122	2,129
<b>Other receivables in total</b>	<b>10,984</b>	<b>3,915</b>

## 12. SECURITIES AT PORTFOLIO MANAGER

	2020 DKK'000	2019 DKK'000
Securities	116,383	114,512
Deposited cash and cash equivalents	428	313
<b>Securities portfolio in total</b>	<b>116,811</b>	<b>114,825</b>

## 13. STATEMENT OF CHANGES IN EQUITY

	2020 DKK'000	2019 DKK'000
Accumulated retained earnings at the beginning of the year	83,497	74,240
Retained earnings for the year	-3,331	9,257
<b>Total equity and liabilities</b>	<b>80,166</b>	<b>83,497</b>

## 14. OTHER PAYABLES

	2020 DKK'000	2019 DKK'000
Performance pay	1,434	1,310
Fixed-term employment	1,338	860
Wages and salaries payable	4,723	4,084
Auditors	0	123
Print payable, students	34	40
VAT payable	351	427
Deposits	987	952
Other payables	2,686	1,842
<b>Total other payables</b>	<b>11,553</b>	<b>9,639</b>

## 15. MORTGAGES AND COLLATERAL

The IT University has not provided any mortgages or collateral.

## 16. CONTRACTUAL OBLIGATIONS

In May 2015, the IT University concluded a rent agreement with the Danish Building and Property Agency. Section 60(1) of the Danish Business Lease Act applies to the lessee's conditions. As a main rule, the lease can only be terminated in its entirety. The period of notice is six months for removal on the first day of a month.

In December 2019, the IT University signed a rental agreement with DR Byen. The period of notice is six months for removal on the first day of a month. The lease can be terminated at the earliest April 2022 for removal October 2022.

## 17. CONTINGENT LIABILITIES

For 39 co-funded PhD students of a total of 61 PhD students ultimo 2020, the IT University guarantees payment of the students' salaries for the 3-year or 4-year period in which their employment contracts are non-terminable by the university. The liability may become relevant if the payroll costs are not covered by companies or institutions with which education agreements have been concluded.

The IT University is comprised by the government self-insurance principle and has taken out liability insurance for members of the Board of Directors.

## 18. STAFF ACCOUNTS

Full-time equivalents	2020	2019	2018	2017
Academic staff	192	171	160	150
Part-time academic staff	51	44	40	43
Other full-time equivalents	174	162	151	140
<b>Full-time equivalents (FTEs) in total</b>	<b>417</b>	<b>376</b>	<b>351</b>	<b>333</b>

Number of employees	2020	2019	2018	2017
Number of employees 1 January	713	628	612	602
Accessions	439	411	374	475
Resignations	376	326	358	465
<b>Number of employees 31 December</b>	<b>776</b>	<b>713</b>	<b>628</b>	<b>612</b>

*Note: In 2020, the IT University has specified the calculation method of the staff accounts concerning remunerated persons. Comparative figures for 2017-2019 have been adjusted accordingly.*

## 19. SEGMENT INFORMATION

	2020 DKK'000	2019 DKK'000	2018 DKK'000	2017 DKK'000
<b>Inventory of the ordinary activities</b>				
Income	299,749	298,937	263,278	245,655
Payroll costs *	-208,677	-186,632	-169,445	-160,883
Other direct costs *	-106,694	-116,548	-102,406	-97,561
Other indirect costs	8,804	7,477	5,892	5,507
<b>Profit/loss</b>	<b>-6,818</b>	<b>3,234</b>	<b>-2,681</b>	<b>-7,282</b>
<b>Inventory of the commercial activities</b>				
Income	6,681	7,690	8,372	6,311
Payroll costs *	-2,601	-1,709	-3,386	-1,255
Other direct costs *	- 633	-1,024	-1,437	-2,238
Other indirect costs	-2,024	-1,709	-1,419	-887
<b>Profit/loss</b>	<b>1,422</b>	<b>3,248</b>	<b>2,131</b>	<b>1,930</b>
<b>Accumulated profit/loss</b>	<b>20,811</b>	<b>19,389</b>	<b>16,141</b>	<b>14,009</b>
<b>Inventory of the externally funded research activities</b>				
Income	35,628	33,908	27,252	24,063
Payroll costs	-24,761	-22,026	-19,062	-15,323
Other direct costs	-4,087	-6,114	-3,717	-4,120
Other indirect costs	-6,780	-5,768	-4,473	-4,620
<b>Profit/loss</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Inventory of the externally funded activities</b>				
Income	593	0	0	0
Payroll costs	-583	0	0	0
Other direct costs	-10	0	0	0
Other indirect costs	0	0	0	0
<b>Profit/loss</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Profit/loss for the year before financial income and expenses</b>	<b>-5,395</b>	<b>6,482</b>	<b>-549</b>	<b>-5,352</b>

\* The IT University has changed the registration of project costs, which entails a correction to the distribution of Payroll costs and Other direct costs from 2019 onwards.

## 20. COMMERCIAL ACTIVITIES

The IT University's commercial activities comprise letting of premises, events, parking etc. The table shows the profit/loss for the year and the accumulated profit/loss for a 4-year period where the accumulated profit/loss must not be negative under the rules of the Ministry of Finance for commercial activities.

	2020 DKK'000	2019 DKK'000	2018 DKK'000	2017 DKK'000
Income	6,681	7,690	8,372	6,311
Direct and indirect costs	5,259	4,442	6,241	4,380
<b>Profit/loss for the year</b>	<b>1,422</b>	<b>3,248</b>	<b>2,131</b>	<b>1,930</b>
<b>Accumulated retained earnings at 31 December</b>	<b>20,811</b>	<b>19,389</b>	<b>16,141</b>	<b>14,009</b>

In accounting for the accumulated profit/loss on commercial activities, the institution must build on 2007 as the first earning year, so that there in recent years accumulated result is summed over four years of results. The accumulated result for 2017 must correspondingly include the accumulated result for the period 2007-2017.

## 21. EXECUTIVE PAY – BOARD OF DIRECTORS

	2020	2019
Number of external board members	5	5
Paid chairman's remuneration (DKK'000)	130	129
Total remuneration paid to other external members (DKK'000)	260	258

## 22. STUDENT ACTIVITIES

	2020 DKK'000	2019 DKK'000
Student political activities	664	627
Other student activities	0	0
<b>Student activities in total</b>	<b>664</b>	<b>627</b>

## 23. RELATED PARTIES

Related parties	Transactions
<b>Ministry of Higher Education and Science (UFM)</b>	Government grants from UFM amounts to DKK 289,809 thousand in 2020 and DKK 287,395 thousand in 2019.
<b>Executive Management</b>	Remuneration to the Executive Management amounts to DKK 3,874 thousand in 2020 and DKK 4,066 thousand in 2019.
<b>ITU Business Development A/S (ITU BD)</b>	<p>The IT University has contributed capital of DKK 5,000 thousand to ITU BD in 2014. In 2019, the value of the IT University's investment is written down to DKK 3,500 thousand. The IT University owns 100 per cent of the company.</p> <p>Profit for the year in ITU BD is DKK -813 thousand and equity at 31 December 2020 amounts to DKK 2,018 thousand.</p> <p>ITU BD has provided services for the IT University of Copenhagen and taken over obligations regarding patents of DKK 1,359 thousand in 2020 and DKK 2,112 thousand in 2019.</p> <p>ITU BD has from 2015 rented office space at the IT University of DKK 256 thousand in 2020 and DKK 287 thousand in 2019.</p>
<b>Folketingets Finansudvalg (FFU, Danish Parliament's Finance Committee)</b>	The IT University does not have any construction projects, which require approval from the FFU.

## 24. ITU BUSINESS DEVELOPMENT

	Contributed capital in the financial year DKK'000	Accumulated contributed capital DKK'000	Recorded value of the ownership share DKK'000	Ownership share Per cent
ITU Business Development	0	5,000	3,500	100

	Income in the financial year (Net turnover) DKK'000	Costs in the financial year DKK'000	Profit in the financial year DKK'000
ITU Business Development	2,482	3,295	-813

## 25. ADDITIONAL FACTORS

Other matters which the IT University must disclose in accordance with:

- Executive Order No. 1021 of 24 June 2020 on Grants and Auditing etc. of Universities.
- Letter from Danish Agency for Institutions and Educational Grants of 18 December 2020 on the annual report for 2020.

The IT University is not responsible for carrying out the secretariat function for scholarships and the like.

The IT University has established and owns a company, ITU Business Development A/S, to promote the flow of knowledge and technology between research institutions and the business community in accordance with section 4 (1) of the Danish Act No. 580 of 1 June 2014 on the Commercial Activities and Co-operation with Foundations of Public Research Institutions (law of technology transfer).

The IT University has not contributed funds to foundations whose main purpose is to establish dwellings close to universities in accordance with section 10(2) of the Danish Act on the Commercial Activities and Co-operation with Foundations of Public Research Institutions (law of technology transfer).

The IT University has no costs for administration of foundations and associations, including commercial foundations and associations.

The IT University does not offer study programmes abroad.

The IT University does not participate in Erasmus Mundus programmes.

The IT University complies with the EU rules on government grants for research infrastructure.

## KEY FINANCIAL FIGURES AND RATIOS

Income (DKK'000)	2020	2019	2018	2017	2016
Education	176,192	160,015	159,528	153,106	146,210
Research	134,099	132,693	101,650	93,470	89,924
External funds *	46,414	45,575	39,110	31,027	26,165
Research-based government consultancy	0	0	0	0	0
Other grants **	-14,701	1,649	-2,146	-3,003	-1,773
Other income	2,712	3,378	-672	4,715	5,531
<b>Total</b>	<b>344,716</b>	<b>343,311</b>	<b>297,470</b>	<b>279,314</b>	<b>266,058</b>

\* External funds relate to subsidy-funded research activities, other subsidy-funded activities and commercial income covered activities.

\*\* The IT University's reduction in rent and in base government grants through the SEA reform is included in other grants.

Costs (DKK'000)	2020	2019	2018	2017	2016
Education	174,878	163,428	148,445	141,141	120,529
Research	137,875	133,478	113,631	107,285	97,118
Dissemination and knowledge sharing	19,001	19,619	17,125	13,560	7,233
Government consultancy services	0	0	0	0	0
General management, administration and service	13,947	14,464	14,078	13,260	26,852
<b>Total</b>	<b>345,701</b>	<b>330,989</b>	<b>293,279</b>	<b>275,246</b>	<b>251,732</b>

Staff (full-time equivalents)	2020	2019	2018	2017	2016
Academic staff	191.7	171.1	159.7	150.0	135.2
Part-time academic staff	51.3	43.5	39.9	43.0	42.6
Other full-time equivalents	173.6	161.8	151.5	140.3	136.6
<b>Total</b>	<b>416.6</b>	<b>376.5</b>	<b>351.0</b>	<b>333.3</b>	<b>314.4</b>

Balance sheet (DKK'000)	2020	2019	2018	2017	2016
Equity	80,166	83,497	74,240	76,221	78,287
Balance sheet total	238,622	191,963	177,481	172,713	187,371

Economic key figures (per cent)	2020	2019	2018	2017	2016
Profit margin	-1.0%	2.7%	-0.7%	-0.7%	3.5%
Liquidity ratio	183.0%	236.4%	228.5%	233.5%	205.7%
Robustness ratio	33.6%	43.5%	41.8%	44.1%	41.8%
Finance degree *	0.0%	0.0%	0.0%	0.0%	0.0%
Debt factor *	0.0%	0.0%	0.0%	0.0%	0.0%

\* The IT University has no long term debt.

Building (m2)	2020	2019
Building, total	32,618	23,352

Bachelor and MSc students for the period 1 October - 30 September	2020	2019
Number of admitted bachelor students	433	364
Number of admitted MSc students	535	507
Number of students enrolled at 30 September	2,263	2,086
Number of full-time equivalents (including guest students)	1,702	1,582

Graduated bachelor and MSc students for the period 1 October - 30 September	2020	2019
Number of graduated bachelor students	228	169
Number of graduated MSc students	454	391



Free university places and scholarship	2020	2019	2018	2017
Number of students enrolled in free university places at 30 September	5	9	11	12
Number of full-time equivalents in free university places	6	9	12	11
Number of students who have received scholarships	10	14	19	17
Total amount paid as free university places, rate 3 (DKK'000)	593	909	1,110	1,040
Total amount paid as scholarships (DKK'000)	722	915	1,030	1,355
Government grants on free university places and scholarship (DKK'000)	1,445	1,475	1,523	1,544
Profit for the year (DKK'000)	130	-350	-617	-851
Account balance at 31 December (DKK'000)	1,949	1,818	2,168	2,784

Part time students in the period 1 October - 30 September	2020	2019
Number of admitted master's students	41	42
Number of fee-paying part-time students	225	306
Number of full-time students equivalents obtained by part-time students	54	68
Number of graduated diploma and master's students	30	54

Internationalisation for the period 1 September - 31 August	2020	2019
Number of exchange students outbound (including exchange grants)	41	75
Number of exchange students, in bound	39	35
Number of foreign students at 30 September	302	296

Research education	2020	2019
Number of PhD students enrolled at 31 December	61	54
Number of PhD students admitted during the year	22	20
Number of approved PhD theses for the year	12	10

Results for research and communication	2020	2019
Number of research publications	254	234
Number of patent applications	0	1
Number of patents issued	0	0
Number of inventions for which application for registration has been filed	1	1
Number of projects with enterprises	33	37
Number of external projects	100	95
Economic co-operation with business community (DKK'000)	15,668	15,094



# REPORTING



# THE STRATEGIC FRAMEWORK CONTRACT FOR 2020

The Strategic Framework Contract is valid for 2018-2021 and includes six strategic targets:

1. Increasing the capacity of research-based education of technical IT professionals
2. Increasing the number of female technical IT professionals
3. Achieving a high learning outcome for all students
4. All graduates should achieve good career opportunities
5. Strengthening IT research within areas that reflects societal needs
6. Strengthening the IT subjects in primary schools and high schools by co-operation and exchange of knowledge.

In 2020, which is the third year of the contract period, the IT University assesses that there is progress for all six strategic targets, cf. the table below:

	Progress	No progress
Strategic target 1	<b>X</b>	
Strategic target 2	<b>X</b>	
Strategic target 3	<b>X</b>	
Strategic target 4	<b>X</b>	
Strategic target 5	<b>X</b>	
Strategic target 6	<b>X</b>	

Concerning the first two strategic targets, there has been a high increase in the technical IT study programmes both in the total number of admitted students and in the number of admitted female students. The current students of the IT University assess that the quality of their education and their learning outcomes are high. In addition, unemployment among the MSc graduates of the IT University has decreased significantly during the contract period.

In the research area, the IT University has more than doubled the number of researchers within the research fields of information security and data science during the contract period. In addition, several research centers have been established within, among others, digitalisation and information security. During the contract period, there has been a strengthening of research-based teaching.

Below, the IT University's progress and work in 2020 with each of the six strategic targets are elaborated.

## STRATEGIC TARGET 1

Strategic target 1. Increasing the capacity of research-based education of technical IT professionals. The IT University will, if the government grants in the future provides the opportunity herefore, increase the capacity of research-based education of technical IT specialists to meet the demand and support Denmark's digital growth.

As there is growth in the number of admitted technical IT students in relation to the period 2017-2019, and since the admission of BSc students is larger than the target for 2020, and while the dropout rate during the first year of the technical BSc study programmes is lower than the dropout rate in the period 2017-2019, it is the assessment of the IT University that again in 2020 clear progress has been achieved within this strategic target.

The foundation for increasing the capacity of research-based education of technical IT specialists was established during 2018 with an increase in base grants. These grants, as well as grants from the national STEM Pool beginning in 2019 and the extra study places created in 2020 as a result of COVID-19 grants, have meant a major increase in the number of admitted technical BSc students.

For the technical BSc study programmes, the target of the IT University was to increase the number of admitted students to 240 in 2020. This target was achieved when 283 BSc students were admitted – of which 195 students on the BSc study programme in Software Development and 88 students on the BSc study programme in Data Science. With this, there has been an increase of 80 BSc students, which corresponds to an increase in the number of admitted students of 33 and 57 per cent, respectively, compared to the 2017 indicators, which were 147 and 56 admitted BSc students, respectively.

For the technical MSc study programmes, there has been an increase of 72 students, corresponding to 45 per cent on the number of admitted students in 2020 in relation to the number of admitted in 2017.

The increased allocation of base grants, STEM grants and COVID-19 grants have thus in 2020 meant an increased admission of 152 technical IT students at the IT University compared to 2017.

Further, the target for the two technical BSc study programmes was to have a maximum dropout rate of 20 per cent during the first year of study in 2020. This target has been achieved with a dropout rate of only 9 per cent on the BSc study programme in Software Development and a dropout rate of 12 per cent on the BSc study programme in Data Science.

As a supportive activity, a communication effort has also been carried out in 2020 with a focus on the technical IT study programmes.

## STRATEGIC TARGET 2

Strategic target 2. Increasing the number of female technical IT professionals to enhance the quality of society's digitalization. The IT University will increase the proportion of female students and by becoming even better at retaining female students on the study programmes.

In relation to the baseline in 2017, there has been progress for this target, and in relation to 2019, there has been a significant progress, as there has been progress in the indicators both with regard to the admission of female students and in relation to dropout.

In 2020, the IT University has the lowest dropout level so far, of 4 per cent among female students in the BSc study programme in Software Development. The target in 2020, of having a maximum dropout rate among female students of 20 per cent on the study programme was thus clearly reached.

In 2020, the admitted female students accounted for 24 per cent and thus almost a quarter of the admitted students on the BSc study programme in Software Development. This is the highest proportion of admitted female students so far since the start of the study programme in 2007, and the result lives up to the target in 2020 of 20 per cent. Among all admitted BSc students at the IT University in 2020, 33 per cent are females, while there are 46 per cent females admitted on the MSc study programmes.

As a supportive activity, an important communication effort targeted at females has also been carried out in 2020. However, the effort has been lesser than planned at the beginning of the year due to cancellations and reorganisations because of COVID-19.

During 2020, the IT University has launched a large-scale three-year dissemination project focusing on increasing interest among young people – not least females – to study the most technical BSc study programmes. The project is supported by a grant of DKK 3.8 million from the Novo Nordisk Foundation. The grant will be used, among others, to develop a YouTube universe with tutorials and video logs that will illustrate what programming is and how the technology can help solve major societal problems. The YouTube channel is complemented by an Instagram profile. Both were launched in December 2020.

## STRATEGIC TARGET 3

Strategic target 3. Achieving a high learning outcome for all students. The IT University will strengthen the research coverage of certain study programmes and maintain a high degree of quality, seen with the students' eyes.

Progress has been made in this strategic target in relation to the baseline. In 2020, each study programme also individually and on average lives up to the VIP/DVIP ratio standards of the IT University. In addition, the quality of the study programmes from the students' point of view and the students' learning output again in 2020 are of the same high quality as before.

The total VIP/DVIP ratio at the IT University in 2020 is 4.8, which is higher than the standard of 3.0 in the Quality Policy of the IT University. On each of the IT University's study programmes, the VIP/DVIP ratio in 2020 is at least 2.9, which is above the minimum target of 2.4 for each of the study programmes. On the BSc study programme in Software Development, where the VIP/DVIP ratio in 2018 was 1.9 and 2.4 in 2019, the target in 2020 has been achieved with a VIP/DVIP ratio of 2.9.

The national education evaluation, Education ZOOM, which is carried out every second year, is completed at the end of 2020. The score on the indicator "The quality of my study programme is overall high" was 4.3 in 2020, which is higher than the baseline for the indicator in 2016 and close to the score (4.4) for the same indicator for 2018. The score on the indicator "My learning output is high" is 4.0 in 2020, which is close to the score in previous years. In 2020, both scores thus meet the target of the IT University of being at least 4.0 on a scale from 1-5.

In order to further develop the quality of the study programmes, the development of a model for ongoing pedagogical/didactic competence development for the academic staff (VIP) has been initiated as a supportive activity in 2020. The model

includes, among others, the determination of teaching competencies both for use in the ongoing competence development and in the recruitment of lecturers to the IT University. In addition, in 2020 the IT University established the Center for Computing Education Research to generally strengthen research and development of IT teaching, including at the university level.

## STRATEGIC TARGET 4

Strategic target 4. All graduates should achieve good career opportunities. The IT University will reduce the unemployment among graduates on those MSc study programmes that don't already have low unemployment. This will be done through revision of the study programmes in close dialogue with the employers.

In 2020, the IT University has made progress within this strategic target, as the MSc unemployment rate has decreased significantly in 2020 in relation to the baseline in 2017 and in relation to the unemployment rate for MSc graduates at the national level. In addition, the indicator "My study programme has equipped me for my current or most recent job" has increased compared to the baseline.

The average of the last three years' MSc unemployment rate calculated 4-7 quarters after graduation has decreased from the baseline in 2017 at 11.2 per cent to 8.6 per cent in 2020. The IT University also assesses positively that the university's MSc unemployment rate is below the national MSc average, which was 12.5 per cent and 11.1

per cent, respectively, in 2017 and 2020. The IT University's MSc unemployment rate has each year in the period 2017-2020 been lower than the national average, but where the national average for MSc unemployment has decreased by 11 per cent, the IT University's MSc unemployment has decreased by 23 per cent during the four years.

The national education evaluation, Education ZOOM, which is carried out every second year, is completed at the end of 2020. The graduates' assessment of whether their study programme have equipped them for their jobs was 4.1 on a scale of 1-5. Thus, the score in 2020 is higher than in previous years, just as the IT University's target of 4.0 for this indicator is achieved.

With regards to relevance seen with employers' eyes, the IT University's close dialogue with the employers under the auspices of the employers' panels has continued to be an important supportive activity throughout 2020 as far as reducing the graduates' unemployment is concerned. The employers' panels have thus again in 2020 evaluated and approved the labor market tickets for each of the study programmes at the IT University. The revised annual cycle and reporting scheme for the employers' panels have been in use since the beginning of 2020 and have functioned well.



## STRATEGIC TARGET 5

Strategic target 5. Strengthening IT research within areas that reflects societal needs. The IT University intends to educate and recruit more researchers in the field of digitalisation and, if the prerequisite for strategic target 1 is met also in the field of information security and data science.

The IT University has made significant progress within this target in 2020, as the research environment in the fields of data science and information security has been strengthened during 2020 compared to the baseline in 2017. The progress in 2020 has taken place both through new employments and employments of current assistant professors as associate professors. In addition, in the fields of information security and digitalisation, external grants have been obtained making it possible to employ PhD students and postdocs. Further, initiatives have been taken to increase collaboration within the IT University's Research Center for Government IT.

The IT University's strengthening of the research environment within the field of data science has taken place by employing an

assistant professor in 2020, and three more associate professors are employed in 2020 with job start at the beginning of 2021. Further, four current assistant professors have been employed as associate professors during the year. In addition, very significant external research grants have been obtained, and both in 2020 and in the coming years, PhD students and postdocs will be employed.

In 2020, the IT University has strengthened the research environment within the field of information security, as a current assistant professor has been employed as an associate professor. This means that the IT University's Center for Information Security and Trust now has employed one professor, four associate professors and three assistant professors, and thus still has employed eight researchers at at least assistant professor level.

The most significant supportive activity in 2020 has been the staffing of the research environments, including job postings, recruitment activities, assessment, job interviews, negotiations etc. Furthermore, the IT University has supported researchers' applications for external research grants, which has been productive in terms of collaborations and external grants.

As a supportive activity in relation to obtaining increased external research grants, the IT University has in 2020 entered into dialogues with several large private foundations and companies, where research projects and collaborations are being developed.

## STRATEGIC TARGET 6

Strategic target 6. Strengthening the IT subjects in primary schools and high schools by co-operation and exchange of knowledge. During the term of the contract, the IT University will teach high school teachers and provide academic input for strengthening IT subjects in primary schools and in high schools.

In the short run, there has been a decline in the two indicators in relation to the baseline, as the IT University has not taught any high school teachers in 2020. In the long run, there has been progress, as the IT University has entered into a co-operation agreement on the implementation of the Master's study programme in Informatics Teaching, which is aimed at high school teachers. In addition, in 2020 the IT University has established a targeted research center, the Center for Computing Education Research, to support IT education for all education sectors from primary schools to universities. Overall, the IT University therefore assesses that within this target there has been significant improvements in 2020 that provides completely new opportunities in the coming years.

The Master's study programme in Informatics Teaching, which is based at Aarhus University, is specifically aimed at continuing and further education for the purpose of teaching in high schools. The IT University's participation in the collaboration on this study programme replaces the previous years' less comprehensive and organisationally looser anchored activities in this area. The IT University contributes to the new master's study programme and its prerequisite courses starting with an entrance course to be held in the autumn of 2021.

In order to achieve a general strengthening of research and development of IT teaching, the IT University in 2020 established the Center for Computing Education Research. The center has independent management and

researchers, and the center was inaugurated in the autumn of 2020. The center will work with teaching in IT and computer science at university, high school and primary school level, and broadly also with teaching in IT and computer science for target groups that should not be IT professionals, software developers, etc.

The IT University is an active partner in the collaboration between university colleges and universities on capacity building in relation to the subject Technology Literacy in the primary school.



# APPENDIXES



# APPENDIX 1

## MANAGEMENT STRUCTURE OF THE IT UNIVERSITY 31 DECEMBER

The IT University is governed by a Board of Directors and an Executive Management.

### The Board of Directors

The Board of Directors of the IT University includes a chairman, a deputy chairman and seven members. The chairman, deputy chairman and three members are external members, one member is elected by and among the academic staff at the IT University, one member is elected by and among the technical/administrative staff at the IT University, and two members are elected by and among the students at the IT University.

The Board of Directors is the highest authority of the IT University. The Board of Directors protects the interests of the IT University in its role as an educational and research institution and establishes guidelines of its organisation, long-term activities and development.

Board meetings are public. However, cases which fall within the statutory provisions on secrecy in public administration, all cases related to persons and cases which include information on contract negotiations with private parties or similar negotiations with public partners are handled in confidence.

### Vice Chancellor

The Vice Chancellor answers to the Board of Directors on all matters and is responsible for the day-to-day management of the IT University within the framework stipulated by the Board of Directors. This right of management includes all staff employed by the IT University.

The Vice Chancellor must ensure that the IT University acts in accordance with the legislation and regulations in force from time to time and is obliged to carry out all other actions, which are required in order to ensure that the IT University is managed in a good and proper manner.

### Pro-rector

The Pro-rector supplements the Vice Chancellor in all types of tasks carried out by the Vice Chancellor.

### University Director

The University Director is responsible for ensuring that the entire administration supports research and education to the widest possible extent. The University Director is accountable to the Vice Chancellor for the observance of the legislation in force in the administrative area and for ensuring cohesion between the administrative processes across the administrative departments.

The University Director is in charge of all large inter-disciplinary projects of the administrative departments and represents the administration in relation to the external world.

### Executive Management

The Executive Management includes the Vice Chancellor, the Prorector and the University Director. The Executive Management is responsible for the preparation of the strategies of the IT University and the preparation and negotiation of the Development Contract with Ministry of Higher Education and Science.

The Executive Management is responsible for ensuring that the development of the IT University is supported optimally within the financial framework provided by the Board of Directors. The work of the Executive Management results in cohesion between research, education and administration.

In its day-to-day work, the Executive Management works on the promotion of the three core values of the IT University: Trend setting, responsibility and openness, throughout the organisation.

### Academic Council

The Vice Chancellor appoints an Academic Council. The Academic Council includes a chairman and four members and chooses its own chairman among the members of the council. Two members are elected by and among the academic staff at the IT University, and two members are elected by and among the students at the IT University.

The Academic Council answers to the Vice Chancellor in the areas of central strategic research and education and plans the exchange of know-how, awards the degrees PhD and doctorate and may issue statements on all academic matters of material importance to the activities, etc., of the IT University.

### Study Committee

The Vice Chancellor appoints one or more study committees, including members in identical numbers of academic staff (VIP) and students. Each study committee appoints a chairman among its VIP members and a deputy chairman among its student members. The chairman and the deputy chairman are approved by the Vice Chancellor.

The study committee carries out planning, implementation and development of courses and tuition, including quality assurance and quality development of courses and tuition, preparation of draft curricula and amendments to these and approval of plans for preparation of courses and tests, etc.

### PhD Council

The Vice Chancellor appoints a PhD Council, including members in identical numbers of science staff (VIP) and students. The chairman and the deputy chairman are appointed by the Vice Chancellor on recommendation of the PhD Committee.

The PhD Council approves PhD courses, issues statements on the evaluation of the PhD programme, and provides guidelines to the Head of the PhD Programme and approves applications for merit and exemption, etc.

### Heads of Department

The Heads of Department are appointed and dismissed by the Vice Chancellor. The Head of each Department is responsible for the day-to-day management of the department, including the planning and allocation of tasks. The Head of Department may request staff to carry out specific tasks. When academic staff is not occupied with such tasks, they carry out independent research within the strategic framework of the IT University.

A Head of Department ensures quality and cohesion in research and education and must include the Study Committee and the Head of studies in its evaluation of education and tuition.

### Dean of Education

The Dean of Education is employed by the Vice Chancellor. The Dean of Education has the overall responsibility for all the IT University's educational activities, their organisation, implementation, quality assurance and development. In addition, the Dean of Education is responsible for leading the renewal of teaching and educational activities, including the development of new study programmes, and the management of the organisational changes that are needed to achieve targets and meet quality standards.

### Cooperation and Safety Committees

The safety and cooperation organisation of the IT University consists of a Main Co-operation and Safety Board (H-SiSu) and two sub-committees: the Administrative Co-operation and Safety Board (A-SiSu), which covers the administrative section, and the Research Co-operation and Safety Board (F-SiSu), which covers the department, plus two safety groups in each sub-committee.

In general, subjects related to members of staff are handled by H-SiSu, including policies, strategies, workplace assessments (APV), staff satisfaction evaluations (MTU) and drafts for staff development meetings (MUS). Subjects relevant to administration or research only are handled by A-SiSu and F-SiSu, respectively. As a rule, subjects relating to health and safety at work are handled by A-SiSu and F-SiSu.

Close cooperation between the "SiSu"s are presupposed. Discussion of topics may be delegated by H-SiSu to A-SiSu or F-SiSu, respectively, and topics which have been discussed in A-SiSu and F-SiSu may be handled by H-SiSu if this is considered necessary.

# APPENDIX 2

## MEMBERS OF THE EMPLOYERS' PANELS OF THE IT UNIVERSITY

### EXECUTIVE-LEVEL EMPLOYERS' PANEL:

**Tine Thorn (chairman)**

Head of Department, IT Digital Development, AP Pension

**Mette Fjord Sørensen**

Head of Research, Higher Education and Diversity, Confederation of Danish Industry.

**Marianne Sørensen**

Director, Employment and Integration Administration, Municipality of Copenhagen

**Brit Kannegaard Johannessen**

Senior Vice President, NNIT

**Michael Aagaard Biermann**

CIO, Ørsted

**Marc Schröter**

Senior Vice President, Product Management, SimCorp

**Rikke Hvilshøj**

CEO, Danish IT Society

**Anders Peter Kierbye Johansen**

Global R&D HR Director, Unity

### BACHELOR IN SOFTWARE DEVELOPMENT (SWU)/ BACHELOR IN DATA SCIENCE (DS)/ CAND.IT., SOFTWARE DESIGN (SD) AND CAND.SCIENT. COMPUTER SCIENCE (CS):

**Christian Bjerre Nielsen (chairman)**

Chief Product Officer, uQualio ApS

**Casper Hovard**

Senior Engagement Manager, KSP Nordic

**Jesper Hollitsch Poulsen**

Assoc. Development Director, Rational Tools & Engineering Processes, Danske Bank

**Niels Hallenberg**

Director, Architect Manager, SimCorp

**Morten Zohnesen**

Managing Architect, Netcompany

**Bodil Biering**

Independent Consultant

**Kaare Brandt Petersen**

Director of Learning Analytics, Laerdal Copenhagen

**Søren Ilsøe**

Director, Insight Strategy, Analytics & Information Management, Deloitte

**Mikkel Muhldorff Sigurd**

Optimization Manager, Maersk Line

**Mille Østerlund**

Head of Civil Advice, CFCS – Center for Cyber Security

**Galina Ianchina**

Deputy director of RUC Digital, Roskilde University

**Jane Eriksson Dahl**

Head of IT-development, Domstolsstyrelsen

**Maiken Lykke**

Country Manager, Sopra Steria

**BACHELOR IN DIGITAL DESIGN AND INTERACTIVE TECHNOLOGIES (DDIT)/ CAND.IT., DIGITAL DESIGN AND INTERACTIVE TECHNOLOGIES (DDIT):**

**Rie Scheuermann Christensen (chairman)**

Head of UX, Leo Innovation Lab

**Nanna Engberg**

Partner and User Experience Director, Manyone

**Louise Wiktoría Klinker**

Strategy & UX Director, 1508

**Britt Rifbjerg Hertsdahl**

Head of Large Corporates Digital, Nordea

**Michael Harboe**

Strategic Advisor and CEO, Virsabi

**Jens Christiansen**

Lead UX Designer, Designit

**Sarah Kirkeby**

Head of Division, Agency for Digitisation

**Brian Ravn**

People Manager – UX & Product Solutions, R&D Software, FOSS

**CAND.IT., GAMES:**

**Astrid Refstrup (chairman)**

CEO, Tripple Topping

**Adam Mechtley**

Lead Software Developer, Unity Technologies

**Simon Jon Andreassen**

Head, DADIU

**Jonathan Bonillas**

Lead User Researcher, Nordisk Film

**Na'Tosha Bard**

Vice President, Research & Development, KMD

**Marina Surdu**

Talent Acquisition Specialist, IO Interactive

**Hannah Nicklin**

CEO, Die Gute Fabrik

**Rob Pierce**

Producer, Framebunker

**Christos Iosifidis**

VP of Product Management, Vivino

**Kelly Griffin**

HR, Tactile

**BACHELOR IN GLOBAL BUSINESS INFORMATIC (GBI)/ CAND.IT., DIGITAL INNOVATION AND MANAGEMENT (DIM):**

**Kirsten Nielsen (chairman)**

Talent Pipeline Management-Programme Manager, Nordea Markets, Nordea

**Jari Friis Jørgensen**

Owner, Symmetric

**Tanja Danner**

Digital Advisor, Self employed

**Simon Kiilerich Vedel**

Director, Zero North

**Nicolai Meelby**

SVP, eBusiness, Topdanmark

**Jan Struwe Poulsen**

Dep. Head of Office, KL

**Joacim Jeppesen**

Chief Growth Officer, Valtech

**Janus Sandsgaard**

Head of Digital Policy, IT and Digitalisation, The Danish Chamber of Commerce

**Nina Husfeldt Clasen**

Head of Division, Agency for Digitisation

**MASTER IN IT MANAGEMENT (ILM)**

**Ghita Thiesen (chairman)**

Head of Division, Local Government Denmark

**Martin Jensen Buch**

Senior Consultant, The Danish ICT Industry Association

**Erik Møberg**

Director, Rambøll Management Consulting

**Stig Lundbech**

CIO, IT Department, Municipality of Copenhagen

**Lars Hagerup**

CIO, Odense University Hospital (OUH)

**Philip Heller-Christensen**

Head of Development, Dansk IT

**Lars R. Andersen**

Vice President, NNIT

**Pernille Juel Sefort**

Human Resource Manager, Naviair

**Lisbeth Nielsen**

Director General, The Danish Health Data Authority

# APPENDIX 3

## THE DATA PROTECTION OFFICER'S STATUS OVER 2020

In 2020, targeted work has continued ensuring compliance with the General Data Protection Regulation (GDPR) at the IT University. An example is, among others, that the GDPR e-learning course now also includes the academic staff (VIP), meaning that all employees at the IT University must complete the course and finish with a test. There has also been a strong focus on maintaining documentation for processing activities, which include personal data, and associated risk assessments, as well as answering GDPR inquiries.

Furthermore, due to the Schrems II ruling from summer 2020, there has been a work of reviewing all concluded data processor agreements and noting whether a transfer is made to countries outside the EU/EEA as well as contacting those who use the Privacy-Shield scheme as a transfer basis. The aftermath of the ruling means that the work of ensuring legal transfers of personal data to countries outside the EU/EEA will continue into 2021.

At the end of the spring, the IT University was contacted by the Danish Data Protection Agency regarding monitoring of the students in connection with conducting digital exams. The IT University managed to answer all the Agency's questions satisfactorily but is awaiting a conclusion on the case from the Danish Data Protection Agency. During the summer, the IT University, together with a number of other organisations, was selected by the Danish Data Protection Agency for

a written maturity survey. In December, the IT University received from the Danish Data Protection Agency a notification considering the case as completed and that no criticism is expressed. The Danish Data Protection Agency's statement is published on their website.

Seven security incidents have been registered during 2020. Two of these were about non-compliance with the personal data security and were reported to the Danish Data Protection Agency. The affected persons were informed. One of the incidents was reported by the IT University on the website. Both incidents have been completed without criticism from the Danish Data Protection Agency.

2020 has been a year of major upheavals in the field of data protection, and the IT University has also had to change how things were done, but there is no doubt that the changes have improved the handling and security of personal data.



Enclosure 2a

## **IT-Universitetet i København**

Rued Langgaards Vej 7, 2300 København S

CVR-nr. 29 05 77 53

### **Revisionsprotokollat**

af 15. april 2021

til årsregnskab for 2020



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## 1 Indledning

Vi er af bestyrelsen valgt som institutionsrevisor på IT-Universitetet i København og varetager hermed den interne revision på universitetet. Vi har over for bestyrelsen ansvaret for den samlede interne revisionsindsats på IT-Universitetet i København.

Vi har revideret det af bestyrelsen og direktionen fremlagte udkast til årsregnskab for 2020, der aflægges efter bekendtgørelse nr. 1021 af 24. juni 2020 om tilskud og revision m.v. ved universiteterne. Vi har i tilknytning til revisionen læst ledelsesberetningen, afrapporteringen af den strategiske rammekontrakt ("rammekontrakten") og hoved- og nøgletal.

Årsregnskabet udviser følgende hovedtal:

t.kr.	2020	2019
Resultat af ordinær drift	-5.395	6.482
Årets resultat	-3.331	9.257
Pengestrøm fra driften	46.957	8.994
Aktiver i alt	238.622	191.963
Egenkapital	80.166	83.497

Revisionsprotokollatet er alene udarbejdet til brug for bestyrelsen, Uddannelses- og Forskningsministeriet og Rigsrevisionen og forudsættes ikke anvendt af andre eller til andre formål.

## 2 Konklusion på den udførte revision

Revisionens mål og omfang samt ansvaret for regnskabsaflæggelsen er omtalt i vores revisionsprotokollat af 6. april 2017.

Revisionen af årsregnskabet for 2020 er udført i overensstemmelse hermed samt i overensstemmelse med internationale standarder om revision og de yderligere krav, der er gældende i Danmark samt standarderne for offentlig revision.

Vedtages årsrapporten i den foreliggende form, og fremkommer der ikke under bestyrelsens behandling og vedtagelse af årsrapporten væsentlige nye oplysninger, vil vi afgive en påtegning på årsregnskabet uden modifikationer samt afgive en udtalelse om ledelsesberetningen, rammekontrakten og hoved- og nøgletal uden bemærkninger.

## 3 Risikovurdering

### 3.1 Risiko for væsentlig fejlinformation i årsregnskabet

Vi har med ledelsen drøftet risikoen for væsentlig fejlinformation i årsregnskabet og de af ledelsen iværksatte tiltag til styring heraf, herunder med henblik på at forebygge, opdage og korrigere fejl.

Vi har i den forbindelse vurderet de overordnede kontroller samt kontrollerne inden for væsentlige specifikke regnskabsområder.

Baseret på vores drøftelser med ledelsen og vores kendskab til universitetets aktiviteter og forhold i øvrigt er der efter vores opfattelse ingen regnskabsposter, som er tilknyttet betydelig risiko for væsentlig fejlinformation i årsregnskabet, uanset om fejlinformation skyldes besvigelser eller fejl.

Som en del af vores revisionsplan har vi identificeret følgende betydelige regnskabs- og revisionsmæssige forhold, der kræver særskilt opmærksomhed:

Regnskabspost	Revisionsmål
▶ Indtægter fra finansloven og forudbetalt stats-tilskud	Fuldstændighed, nøjagtighed og periodisering

Regnskabspost	Revisionsmål
▶ Lønninger og gager samt skyldige lønrelaterede omkostninger	Fuldstændighed og nøjagtighed
▶ Igangværende tilskudsaktiviteter og forudbetalte bundne tilskud	Fuldstændighed, nøjagtighed og korrekt periodisering af indtægter og omkostninger i resultatopgørelsen samt korrekt værdiansættelse
▶ Rammekontrakten	Korrekt opfølgning på strategiske mål
▶ It-anvendelsen og generelle it-kontroller	Sikkerhed af data og informationers pålidelighed

Regnskabsposterne igangværende tilskudsaktiviteter og forudbetalte bundne tilskud indeholder regnskabsmæssige skøn. Vi har haft fokus på de væsentlige regnskabsmæssige skøn, som er foretaget i årsregnskabet for 2020.

På baggrund af risikovurderingen og vurderingen af risici for væsentlig fejlinformation i årsregnskabet har vi fastlagt den overordnede revisionsstrategi og -plan for 2020.

Vi har udført revisionen i overensstemmelse med den fastlagte revisionsstrategi og -plan.

## 4 Samarbejde med Rigsrevisionen

Rigsrevisionen har i henhold til rigsrevisorlovens § 9 ansvaret for den samlede revision af IT-Universitetet i København, og vi er af universitetets bestyrelse antaget som intern revision. Årsrapporten for 2020 samt tilhørende revisionsprotokollat vil af universitetet blive fremsendt til Rigsrevisionen efter bestyrelsens godkendelse.

## 5 Kommentarer vedrørende revisionen af årsregnskabet for 2020

### 5.1 Indtægter og tilskud på finansloven samt forudbetalt statstilskud

Finanslovsindtægter i 2020 udgjorde 289,8 mio. kr. (2019: 287,4 mio. kr.). Vi har som del af vores revision kontrolleret, at universitetet har etableret et kontrolmiljø, der understøtter korrekt opgørelse af studenterårsværk. Vi har desuden gennemgået de af universitetet udarbejdede afstemninger af de indregnede finanslovsindtægter, herunder afstemt indtægterne til finansloven, og stikprøvevist kontrolleret grundlaget for opgørelse af tilskud på finansloven, herunder tillægsbevilling.

Vi kan på baggrund af den udførte revision tilslutte os den regnskabsmæssige behandling.

### 5.2 Indtægter fra forskningsprojekter og igangværende tilskudsaktiviteter

Indtægter fra forskningsprojekter i 2020 udgjorde 38,4 mio. kr. (2019: 36,1 mio. kr.). Indtægter fra forskningsaktiviteter indregnes i takt med afholdelse af projektrelaterede omkostninger. Disse består af lønomkostninger og eksterne omkostninger og administreres som en del af universitetets samlede kontrolmiljø. Såfremt universitetet i henhold til kontrakten med bevillingsgiver har ret til at tillægge overhead på afholdte omkostninger, indregnes overhead i de igangværende tilskudsaktiviteter.

I henhold til anvendt regnskabspraksis er igangværende tilskudsaktiviteter opdelt i balancen, således at projekter, hvor universitetet har et tilgodehavende, vises særskilt fra igangværende tilskudsaktiviteter, hvor universitetet har en forpligtelse.

Pr. 31 december 2020 har universitetet indregnet et tilgodehavende fra tilskudsaktiviteter på 4,0 mio. kr. (2019: 6,8 mio. kr.). Saldoen er udtryk for værdien af optjente, men ej fakturerede indtægter fra forskningsprojekter. Projekterne faktureres i henhold til aftalegrundlaget med bevillingsgiver, hvilket typisk er i takt med afslutning af periode- eller slutregnskaber.

Pr. 31. december 2020 har universitetet indregnet en forpligtelse vedrørende forudbetalte bundne tilskud på 63,1 mio. kr. (2019: 18,2 mio. kr.). Forpligtelsen er udtryk for værdien af modtagne forudbetalinger fra forskningsprojekter, som vil blive udlignet, i takt med at universitetet leverer de med bevillingsgiver aftale forskningsydelser. Stigningen i forpligtelsen kan henføres til en øget projektportefølje, herunder et projekt, hvor universitetet, som koordinator, har modtaget en væsentlig forudbetaling til efterfølgende fordeling til projektets øvrige partnere.

Universitetet har pr. 31. december 2020 ikke foretaget en fuldstændig gennemgang af de eventuelle økonomiske konsekvenser ved afvigelser mellem de særlige regler for opgørelse af tilskudsberettigede omkostninger under de respektive projektaftaler og de opgjorte projektsaldi i balancen.

Den daglige ledelse har oplyst, at eventuelle justeringer af projektsaldi anses for uvæsentlige, idet løn-systemets registreringer, herunder beregning af overhead, understøtter projekthåndteringen, samt at andre projektomkostninger godkendes og bogføres løbende i takt med projektets udførelse. På baggrund heraf anser den daglige ledelse eventuelle afvigelser mellem sidste perioderapportering til koordinator og saldoen pr. 31. december 2020 for uvæsentlige.

Vi har i løbet af 2020 afgivet erklæring på perioderegnskaber for to projekter. Vi kan på baggrund af konklusionerne fra vores gennemgang af de to projekter tilslutte os den daglige ledelses vurdering om, at eventuelle afvigelser som følge af manglende fuldstændig gennemgang af igangværende projekter pr. 31. december 2020 må forventes at være uvæsentlige for årsregnskabet som helhed.

Vi har i forbindelse med vores revision, for en udvalgt stikprøve af afsluttede og igangværende projekter, gennemgået grundlaget for den regnskabsmæssige behandling. For den udvalgte stikprøve har vi gennemgået aftalegrundlaget med bevillingsgiver samt afstemt de til projektet henførte omkostninger til registreringer i lønsystemet samt underliggende bilag for eksterne omkostninger. Vi har desuden for den udvalgte stikprøve kontrolleret opgørelsen af overhead og kontrolleret, at modtagne forudbetalinger og betalinger fra bevillingsgiver er korrekt regnskabsmæssigt behandlet.

Vi kan på baggrund af den udførte revision tilslutte os den regnskabsmæssige behandling.

### 5.2.1 Hensættelse til tab på projekter

I lighed med tidligere år foretages der nedskrivning på værdien af igangværende tilskudsaktiviteter. Nedskrivninger består metodemæssigt af dels en specifik nedskrivning på projekter og dels en generel hensættelse.

Der er pr. 31. december 2020 ikke hensat til specifik nedskrivning på projekter (2019: 0 t.kr.). Universitetets ledelse har vurderet, at de projektspecifikke risici er på et begrænset niveau, hvorved de økonomiske konsekvenser ved eventuelle tabsgivende projekter kan dækkes af den generelle hensættelse.

Den generelle hensættelse er for 2020, fastlagt til 5 % af de samlede indtægter fra tilskudsfinansieret forskningsvirksomhed, svarende til 1.922 t.kr. (2019: 1.083 t.kr.). Procentsatsen er fastsat under hensyntagen til antallet af projekter og kompleksiteten i de indgåede aftaler, herunder særlige risici tilknyttet projekter udført under EU-regi. Procentsatsen for 2020 er ændret fra 3 % til 5 % som følge af øget usikkerhed om den mulige påvirkning fra Covid-19 pandemien ved afslutning af igangværende projekter.

Det er ledelsens vurdering, at den samlede nedskrivning på 1.922 t.kr. er forsvarlig og passende til af-dækning af universitetets risiko for tab på igangværende projekter pr. 31. december 2020.

Vi kan tilslutte os den regnskabsmæssige behandling af igangværende tilskudsaktiviteter.

### 5.3 Forskningsinfrastruktur

Som en del af EU's regler for statsstøtte skal universiteterne årligt udarbejde en opgørelse af, hvilke forskningsinfrastrukturer der er ved universitetet, samt vurdere, om den økonomiske aktivitet ved de enkelte infrastrukturer er accessorisk. IT-Universitetet har i årsregnskabet note 25 oplyst, at EU's statsstøtteregler for forskningsinfrastruktur overholdes, idet universitetet ikke har forskningsudstyr, som udlånes til erhvervslivet.

Vi har som del af vores revision gennemgået anlægskartoteket og konti for straksafskrevne investeringer, hvilket ikke har givet anledning til bemærkninger.

#### 5.4 Tilgodehavender fra salg af ydelser m.v.

Tilgodehavender fra salg af ydelser m.v. udgør pr. 31. december 2020 samlet 7.816 t.kr. (31. december 2019: 9.529 t.kr.). I beløbet er fratrukket 0 t.kr. til nedskrivning af forventet tab på tilgodehavender (2019: 0 t.kr.).

Vi har i forbindelse med revisionen af tilgodehavender fra salg af ydelser m.v. foretaget en gennemgang af den aldersfordelte debitorsaldoliste, herunder har vi stikprøvevist påset dokumentation for efterfølgende indbetalinger.

Vi kan tilslutte os den regnskabsmæssige behandling af tilgodehavender fra salg af ydelser m.v.

#### 5.5 Likvide beholdninger og værdipapirer

Universitetets likvide beholdninger udgør pr. 31. december 2020 en saldo på 88.024 t.kr. (31. december 2019: 46.118 t.kr.).

Investering i værdipapirer udgør pr. 31. december 2020 en saldo på 116.811 t.kr. (31. december 2019: 114.825 t.kr.).

Af den gældende investeringspolitik dateret 11. december 2020 fremgår det, at universitetets investeringer skal foretages i en investeringsramme med begrænsninger som følger:

- ▶ 0-100 % af investeringen placeres i obligationer på det danske marked eller lignende
- ▶ 0-20 % af investeringen placeres i øvrige obligationer
- ▶ 0-15 % af investeringen placeres i aktier
- ▶ Kontantbeholdning må maksimalt udgøre 100 t.EUR

Universitetet har indgået investeringsmanagementaftale med Danske Capital. Vi har fået oplyst, at det i aftalen med Danske Capital er fastlagt, at Justitsministeriets anbringelsesbekendtgørelse skal følges.

Vi har påset, at de af Danske Capital foretagne investeringer pr. 31. december 2020 følger universitetets investeringspolitik.

Der er i 2020 indregnet en gevinst på investeringer i værdipapirer på 2.338 t.kr. (2019: gevinst på 4.288 t.kr.). Årets gevinst er sammensat af modtaget udbytte samt urealiserede og realiserede kursgevinster på værdipapirer.

#### 5.6 Kapitalandel i dattervirksomheder

ITU Business Development har pr. 31. december 2020 foretaget investeringer for samlet 940 t.kr. (2019: 963 t.kr.), som kan specificeres som følger:

- ▶ 770 t.kr. investeret i en ejerandel på cirka 18 % i Flow Robotics A/S
- ▶ 170 t.kr. sammensat af investeringer i mindre selskaber, som alle udspringer af universitetets Startup Programme

ITU Business Development har for 2020 realiseret et underskud på 813 t.kr., mens egenkapitalen pr. 31. december 2020 udgør 2.018 t.kr. På baggrund af positive forventninger til 2021 samt en forventet højere dagsværdi på investeringen i Flow Robotics A/S, har universitetets ledelse vurderet, at der ikke er indikationer på nedskrivningsbehov på investeringen i ITU Business Development, som indgår i balancen med en værdi på 3.500 t.kr.

Vi har ikke grundlag for en anden vurdering og tilslutter os på denne baggrund den regnskabsmæssige behandling og henviser desuden til årsregnskabet note 10 samt note 24.

#### 5.7 Hensatte forpligtelser

I forbindelse med leje af lokaler i DR Byen er principper for indregning af hensatte forpligtelser til reetablering af lejemål blevet revurderet. Universitetets ledelse har hertil vurderet at der ikke er grundlag for at indregne en reetableringsforpligtelse på lejemålet i DR Byen. Som del af revurderingen er tidligere

hensættelse på 2.924 t.kr. vedrørende lejemålet på Rued Langgaards Vej indtægtsført i overensstemmelse med Økonomistyrelsens vejledninger. Modparten til denne lejeaftale er er Bygningsstyrelsen og lejekontrakten indeholder ikke krav om reetablering ved fraflytning.

På baggrund af gennemgang af lejekontrakter og Økonomistyrelsens vejledninger er vi enige i den regnskabsmæssige behandling.

## 5.8 Feriepengeforpligtelse

Universitetets feriepengeforpligtelse pr. 31. december 2020 udgør 33.686 t.kr. (31. december 2019: 27.964 t.kr.) og er sammensat af 18.436 t.kr. vedrørende indefrosne feriepenge fra overgangsperiode til ny ferielov og 15.250 t.kr. i forpligtelse under ny ferielov tillagt restbeløb fra tidligere ferielov. Stigningen i den samlede feriepengeforpligtelse kan primært henføres til at der i beløbet for indefrosne feriepenge indgår skyldigt beløb for perioden 1. september til 31. december 2019 som blev optjent i regnskabsåret 2019, men fortsat indgår som skyldigt i balancen pr. 31. december 2020.

Feriepengeforpligtelsen under ny ferielov er baseret på værdien af optjent ferie og feriefridage pr. 31. december 2020 ved afholdelse til den gennemsnitlige timeløn for ansatte ved IT-Universitetet. Værdien af tilgodehavende restferie fra tidligere år er baseret på faktisk antal restdage.

Vi har gennemgået universitetets opgørelse af feriepengeforpligtelsen, hvilket ikke har givet anledning til bemærkninger.

## 5.9 Nærtstående parter

Vi har som led i revisionen påset, at ledelsen som krævet har implementeret forretningsgange og interne kontrolsystemer til sikring af, at transaktioner med nærtstående parter identificeres og præsenteres behørigt i årsregnskabet.

Direktionen har over for os bekræftet, at de i regnskabsåret realiserede transaktioner med nærtstående parter er behørigt oplyst og indgået på normale markedsvilkår.

Vi henviser til årsregnskabets note 23, der beskriver transaktioner med nærtstående parter.

## 5.10 Vederlag til direktion og bestyrelse

Der er i 2020 udbetalt 3,9 mio. kr. (2019: 4,1 mio. kr.) i vederlag til direktionen, der i 2020 bestod af rektor Martin Zachariasen, prorektor Jens Christian Godskesen og universitetsdirektør Georg Dam Stefensen.

Der er pr. 31. december 2020 hensat bonus til direktionen vedrørende regnskabsåret 2020 med 308 t.kr. (2019: 294 t.kr.) samt hensat til åremålsbonus med 531 t.kr. (2019: 355 t.kr.).

Vi har påset, at de udbetalte vederlag til direktionen er i overensstemmelse med indgåede kontrakter og særskilte aftaler.

Vi har påset, at de udbetalte vederlag til bestyrelsen, 390 t.kr. (2019: 387 t.kr.), er i overensstemmelse med de honorarer, der er godkendt af Uddannelses- og Forskningsministeriet.

## 5.11 It-anvendelsen

### *Revision af generelle it-kontroller*

Revision af anvendelsen af it-systemer er en integreret del af vores revision af årsregnskabet og omfatter revision af de generelle it-kontroller, som er betydende i forhold til universitetets evne til at kunne aflægge et retvisende årsregnskab. Den udførte revision omfatter ikke gennemgang af universitetets procedurer og kontroller i relation til cybersikkerhed.

Revision af generelle it-kontroller omfatter revision af følgende:

- ▶ It-anvendelsen, herunder it-organisationen, it-sikkerhedspolitik og it-beredskabsplan
- ▶ Adgang til systemer og data

- ▶ Udvikling, vedligeholdelse og implementering af it-systemer
- ▶ Drift, overvågning og backup af it-systemer og data

Ledelsen har over for os oplyst, at den finder de etablerede generelle it-kontroller passende under hensyntagen til universitetets aktivitet og risikoprofil.

Vi har i forbindelse med vores revision af anvendelsen af it-systemer ikke konstateret væsentlige svagheder i de af ledelsen etablerede generelle it-kontroller, og det er vores vurdering, at de etablerede kontroller understøtter vores finansielle revision.

Vi påpeger dog, at vi ikke har haft mulighed for at teste backupprocedurer for Navision-systemet, idet disse varetages af Moderniseringsstyrelsen. Vi har fra Moderniseringsstyrelsen modtaget ledelseserklæring for 2020 vedrørende revision, sikkerhed og ydelser for Moderniseringsstyrelsens kunderettede systemer. I erklæringen bekræfter Moderniseringsstyrelsen, at styrelsen for perioden 1. januar - 31. december 2020 kan indestå for sikkerheden i og omkring systemerne, samt at de i kalenderåret modtagne revisorerklæringer og revisionsrapporter ikke indeholder bemærkninger om forhold af væsentlig betydning for institutionerne.

## 6 Ledelsesberetningen, rammekontrakten og hoved- og nøgletal

I tilknytning til revisionen af årsregnskabet har vi gennemlæst ledelsesberetningen, afrapporteringen på den strategiske rammekontrakt og hoved- og nøgletal og

- ▶ sammenholdt oplysningerne heri med oplysningerne i årsregnskabet
- ▶ sammenholdt oplysningerne heri med den viden og de forhold, vi er blevet bekendt med i forbindelse med vores revision
- ▶ ud fra vores viden om regelgrundlaget taget stilling til, om der er fejl eller mangler i ledelsesberetningen og hoved- og nøgletal

Vi har ikke foretaget nye, særskilte arbejdshandlinger i forbindelse med vores udtalelse om ledelsesberetningen og hoved- og nøgletal. Rammekontrakten er omfattet af forvaltningsrevision, jf. afsnit 7 nedenfor.

Det udførte arbejde har ikke givet anledning til bemærkninger.

## 7 Forvaltnings- og juridisk-kritisk revision

I 2017 har Rigsrevisionen udarbejdet og godkendt nye revisionsstandarder for offentlig revision (SOR). Standarderne indeholder overordnet udvidelse af kravene til forvaltningsrevision og juridisk-kritisk revision. Disse nye standarder beskriver, at der ud over den sædvanlige forvaltningsrevision og juridisk-kritisk revision, på rotationsbasis, skal udføres særskilt revision af en række forskellige emner.

Emnerne "Løn og ansættelsesmæssige dispositioner" samt "Indtægtsdækket virksomhed" er obligatoriske for årlig gennemgang, og beskrevet under særskilte afsnit i indeværende afsnit af protokollen. Emnerne "Aktivitets- og resursestyring" samt "Mål- og resultatstyring" er ligeledes obligatoriske for årlig gennemgang, og indgår i beskrivelsen under afsnit for øvrig forvaltningsrevision.

Emnerne "Myndigheders gebyropkrævning", "Rettighedsbestemte overførsler", "Budgetstyring af flerårige investeringsobjekter" og "Styring af offentlige tilskudsordninger" er ikke vurderet relevante i forhold til universitetets aktiviteter og ansvarsområder. Vi har i stedet udvalgt øvrige emner, som indgår i rotationsordning. Vi har i 2020 valgt at udføre revision af universitetets omkostninger indenfor repræsentation.



De forskellige emner, som vi forventer at gennemgå på rotationsbasis i perioden 2017-2021, er præsenteret i tabellen nedenfor:

Emne	Årstal for gennemgang				
	2021	2020	2019	2018	2017
Lønmæssige dispositioner	(X)	X	X	X	X
Salg/indtægtsdækket virksomhed	(X)	X	X	X	X
Aktivitets og resursestyring	(X)	X	X	X	X
Mål- og resultatstyring	(X)	X	X	X	X
Indkøb/styring offentlige indkøb					X
Tildeling af tilskud				X	
Håndtering af værdipapirer				X	
Omkostninger øvrige end indkøb			X		
Undervisningsmiljø			X		
Repræsentationsomkostninger		X			
Overholdelse af GDPR-lovgivning	(X)				

### **Repræsentationsomkostninger**

Som del af den udførte forvaltnings- og juridisk-kritiske revision har vi efterprøvet følgende forhold relateret til universitetets procedurer for håndtering af repræsentationsomkostninger:

- ▶ Vi har kontrolleret, at der er udarbejdet en politik for afholdelse af repræsentationsomkostninger, samt at denne er tilgængelig på universitetets intranet. Politikken indeholder blandt andet en definition af repræsentationsomkostninger og beskrivelse af begivenheder, der medfører repræsentationsomkostninger herunder beløbsmæssige grænser for de forskellige begivenheder. Politikken indeholder desuden retningslinjer og beløbsmæssige grænser for gaver.
- ▶ Vi har for en udvalgt stikprøve blandt registrerede repræsentationsomkostninger kontrolleret, at politikken følges og kan anses for rimelige i forhold til sparsommelighedskriteriet. Vi har desuden kontrolleret, at omkostningerne er godkendt i henhold til universitetets politikker herfor, samt at repræsentationsomkostningerne vedrører universitetets normale aktiviteter.

### **Øvrig forvaltningsrevision herunder aktivitets, resurse, mål- og resultatstyring.**

Den sædvanlige forvaltningsrevision er udført integreret og sideløbende med den finansielle revision af årsregnskabet og har omfattet en vurdering af sparsommelighed, produktivitet, effektivitet og økonomistyring. Vurderingen er blandt andet baseret på analyser af omkostnings- og indtægtsposter, beregning af nøgletal, undersøgelser af usædvanlige tendenser i udviklingen samt analyser af budgetafvigelse og kontrol af, at der foretages rettidig opfølgning på disse.

Det er universitetets ledelse, der har ansvaret for at planlægge og styre universitetets aktiviteter og herved sikre, at ressourcer, herunder statstilskuddet, anvendes på en økonomisk forsvarlig måde.

Det forventes, at universitetets ledelse under hensyntagen til sparsommelighed, produktivitet og effektivitet tilrettelægger en efter universitetets størrelse afpasset administration af ressourcerne. Rapporteringen herom sker blandt andet i årsregnskabet, som skal indeholde en række hoved- og nøgletal. I tillæg hertil bliver der på hvert bestyrelsesmøde præsenteret et kvartalsregnskab, hvori væsentlige budgetafvigelser årsagsforklares, og en opdateret prognose for årets indtægter og omkostninger ligeledes præsenteres.

### **Forvaltningen af universitetets midler – sparsommelighed**

Vurderingen af sparsommelighed omfatter undersøgelser af, om universitetets dispositioner er i overensstemmelse med almindelige normer for, hvad der under hensyntagen til universitetets art og størrelse kræves af en hensigtsmæssig og sparsommelig forvaltning af offentlige midler, herunder hvorvidt varer og tjenesteydelser er erhvervet på en økonomisk måde under hensyntagen til pris, kvalitet og kvantitet.

Vi har gennemgået udvalgte omkostningsarter og analyseret disse uden bemærkninger.

### ***Forvaltningen af universitetets midler – produktivitet***

Universitetets produktivets- og effektivitetsmål er fastlagt i den strategiske rammekontrakt gældende for 2018-2021 og omfatter seks strategiske mål, som er aftalt med uddannelses- og forskningsministeren. Vi har som led i vores forvaltningsrevision foretaget en gennemgang af universitetets procedurer for dataindsamling og -behandling til brug for universitetets vurdering af, hvorvidt de strategiske mål er overholdt. Vi har for udvalgte mål stikprøvevist gennemgået, hvorledes data indsamles og behandles, samt gennemgået dokumentationen for målopfyldelsen. Den udvalgte stikprøve sikrer, at alle seks strategiske mål vil blive underlagt revision i løbet af rammekontraktens periode.

Vi har foretaget gennemgang af årsregnskabet, herunder af rapporteringen på den strategiske rammekontrakt for 2020, hvilket ikke har givet anledning til bemærkninger.

### ***Forvaltningen af universitetets midler – effektivitet***

Vurderingen af effektiviteten omfatter blandt andet undersøgelser af, om:

- ▶ universitetet har en veldefineret strategiplan og har etableret måleinstrumenter (nøgletal m.v.)
- ▶ universitetets faktiske virksomhed er i overensstemmelse med den strategiske målsætning
- ▶ universitetet har nået sine strategiske mål i forhold til de anvendte ressourcer
- ▶ universitetet foretager interne kvalitetskontroller, eksempelvis ved efterfølgende evalueringer af produktionen
- ▶ universitetets ledelse i øvrigt har foretaget undersøgelser, der kan belyse effektiviteten

Vi har som del af den udførte revision drøftet universitetets strategi for 2017-2021 med den daglige ledelse, vurderet universitetets kvalitetspolitik for uddannelse samt retningslinjer for eksternt finansierede forskningsprojekter ("ITU Funding procedure"). I tillæg hertil har vi gennemgået universitetets evaluering af opfyldelse af den strategiske rammekontrakt.

Vores gennemgang heraf har ikke givet anledning til bemærkninger.

### ***Løn- og ansættelsesmæssige dispositioner***

Vi har som del af den udførte revision kontrolleret procedurer for adgang til lønsystemet. Vi fremhæver hertil, at ingen af universitetets medarbejdere har adgang til at foretage ændringer til stamdata i lønsystemet, idet den daglige administration er outsourcet til CBS.

Vi har som led i revisionen af løn stikprøvevist kontrolleret, at medarbejdere er indplaceret korrekt i Statens lønsystem (SLS) i henhold til gældende overenskomster, og at optjent anciennitet dokumenteres i personalefilerne. I tillæg hertil har vi gennemgået vederlag til direktion og bestyrelse, hvortil der henvises til omtalen ovenfor i afsnit 5.10.

Vores gennemgang heraf har ikke givet anledning til bemærkninger.

### ***Indtægtsdækket virksomhed***

Vi har som led i revisionen kontrolleret, at universitetet følger op på, om der medgår statsfinansiering til områder med indtægtsdækket virksomhed. Det er vores vurdering, at der foretages rettidig opfølgning på området for indtægtsdækket virksomhed, herunder at indtægter og tilhørende omkostninger kontrolleres i henhold til gældende retningslinjer.

Vores gennemgang heraf har ikke givet anledning til bemærkninger, og vi henviser til årsregnskabets note 20, hvori resultatet fra indtægtsdækket virksomhed præsenteres.

### ***Konklusion på forvaltnings- og juridisk-kritisk revision***

Det er vores vurdering, at universitetet generelt har en forsvarlig administration ved forbrug af offentlige midler, og at universitetet lever op til de forventninger, der stilles med hensyn til en sparsommelig, produktiv og effektiv styring, herunder økonomistyring.

Vi vurderer ligeledes, at de dispositioner, der er gennemført på de områder, vi har gennemgået, er udført inden for rammerne af gældende lovgivning.

## 8 Øvrige forhold

### 8.1 Direktionens regnskaberklæring

I forbindelse med regnskabsaflæggelsen har vi indhentet en skriftlig erklæring fra direktionen om forhold af væsentlig betydning for årsregnskabet, ledelsesberetningen, rammekontrakten samt hoved- og nøgletal.

Den skriftlige erklæring omfatter årsregnskabets indhold, herunder kapitalberedskab, oplysninger om pantsætninger og sikkerhedsstillelser, garantistillelser, retssager, besvigelser, transaktioner med nærtstående parter og begivenheder efter balancedagen, ikke-korrigerede forhold samt andre områder, hvor det er vanskeligt at opnå et revisionsbevis. Endvidere dækker direktionens regnskaberklæring de forhold, som ledelsesberetningen omhandler.

Den modtagne regnskaberklæring har ikke givet anledning til bemærkninger.

### 8.2 Ikke-korrigerede forhold

I henhold til internationale standarder om revision skal vi informere bestyrelsen om forhold, som ikke er korrigeret i det foreliggende udkast til årsregnskab, fordi direktionen vurderer dem som værende uvæsentlige både enkeltvis og sammenlagt for årsregnskabet som helhed.

Denne oplysning skal gives for at sikre, at bestyrelsen er orienteret om og kan tilslutte sig den af direktionen foretagne vurdering.

Der er ikke konstateret forhold, som ikke er indarbejdet i det foreliggende udkast til årsregnskab.

### 8.3 Risiko for besvigelser

Vi har planlagt og udført vores revision for at opnå høj grad af sikkerhed for, at årsregnskabet som helhed er uden væsentlig fejlinformation som følge af besvigelser eller fejl.

Vi har ikke under vores revision konstateret forhold, der kunne indikere eller vække mistanke om besvigelser af betydning for informationerne i årsregnskabet.

Direktionen har oplyst, at universitetets forretningsgange og interne kontroller inden for de væsentlige områder efter dens opfattelse anses for dækkende og velfungerende til imødegåelse af risikoen for besvigelser, herunder at der eksisterer passende funktionsadskillelse.

Direktionen har oplyst, at den ikke har kendskab til besvigelser eller igangværende undersøgelser af formodede besvigelser.

Som krævet af de internationale standarder om revision vil vi på bestyrelsesmødet den 15. april 2021 forespørge bestyrelsen, om den har kendskab til konstaterede eller formodede besvigelser.

### 8.4 Overholdelse af lovgivningen

Vi har forespurgt direktionen, om alle kendte aktuelle eller potentielle overtrædelser af lovgivningen, der kan have væsentlig påvirkning på årsregnskabet, er oplyst under revisionen og er tilstrækkeligt indregnet og oplyst i årsregnskabet. Direktionen har over for os bekræftet, at der den bekendt ikke er forhold, der har betydning for årsregnskabet.

Vi er ikke i forbindelse med vores revision blevet bekendt med overtrædelser af regnskabslovgivningen og bogføringsloven eller anden lovgivning, der kan have væsentlig indvirkning på årsregnskabet.

### 8.5 Begivenheder indtruffet efter balancedagen

Til sikring af at væsentlige begivenheder efter regnskabsårets udløb er præsenteret korrekt i årsregnskabet, har direktionen gennemgået og vurderet begivenheder indtruffet efter balancedagen.

Direktionen har oplyst, at der efter dens opfattelse ikke er indtruffet begivenheder efter balancedagen, som ikke er indarbejdet og tilstrækkeligt oplyst i årsregnskabet.

Vi er ikke under vores gennemgang blevet bekendt med begivenheder, som i væsentlig grad påvirker årsregnskabet, og som ikke er indarbejdet og tilstrækkeligt oplyst i årsregnskabet.

## 8.6 Forsikringsforhold

Forsikringsforhold er ikke omfattet af revisionspligten. Direktionen har på vores forespørgsel bekræftet, at der under hensyntagen til, at universitetet er omfattet af Statens selvforsikringsprincip, er tegnet forsikringer i det omfang, lovgivningen tillader.

## 9 Andre erklæringer og bekræftelser

### 9.1 Indhentede erklæringer og bekræftelser

Vi har indhentet en regnskabserklæring underskrevet af universitetets direktion.

Vi har endvidere indhentet advokatbreve og engagementsoversigter fra universitetets advokatforbindelser og banker.

Vores gennemgang af de indhentede erklæringer har ikke givet anledning til bemærkninger.

## 10 Afsluttende oplysninger m.v.

### 10.1 Andre ydelser end revision

Vi har siden vores revisionsprotokollat af 1. april 2020 ud over lovpligtig revision efter anmodning udført følgende opgaver for universitetet:

#### *Erklæringer med sikkerhed*

- ▶ Afgivelse af erklæring på to projektregnskaber

#### *Andre opgaver*

- ▶ Oversættelse af revisionsprotokollat for 2020 til engelsk
- ▶ Udarbejdet notat om moms-mæssig behandling af kursusaktivitet

#### *Sikkerhedsforanstaltninger*

Forinden accept af nævnte rådgivnings- og assistanceopgaver har vi særskilt vurderet betydningen heraf for vores uafhængighed.

Det er vores opfattelse, at de udførte opgaver enkeltvis og samlet er udført i overensstemmelse med gældende bestemmelser om revisors uafhængighed.

### 10.2 Bestyrelsens formelle pligter

Vi har påset, at:

- ▶ der er udarbejdet en forretningsorden for bestyrelsen (senest dateret 20. september 2018)
- ▶ der føres forhandlingsprotokol for bestyrelsesmøder
- ▶ revisionsprotokollater underskrives af bestyrelsen.

**Bestyrelsens forhandlingsprotokol**

Vi har læst bestyrelsens forhandlingsprotokol frem til mødet den 19. november 2020. Gennemlæsnin-  
gen har ikke afdækket forhold, som ikke er behørigt medtaget i årsregnskabet.

København, den 15. april 2021  
EY Godkendt Revisionspartnerselskab

Peter Gath  
statsaut. revisor

Morten Weinreich Larsen  
statsaut. revisor

Siderne 223-234 er fremlagt på mødet den 15. april 2021.

I bestyrelsen:

Carsten Krogh Gomard  
formand

Lars Mathiesen

Kristine Stenhuus

David Basin

Christina Hvid

Mircea Lungu

Anaya Mourad Jensen

Mikala Sofie Skoglund Thom-  
sen

Sebastian Mateos Nicolajsen

## Enclosure 2b

# IT-Universitetet i København

Rued Langgaards Vej 7, 2300 Copenhagen S

CVR no. 29 05 77 53

## Long-form audit report

dated 15 April 2021

in respect of the financial statements for 2020

The following is a translation of an original Danish document. The original Danish document is the governing document for all purposes, and in case of any discrepancy, the Danish wording will be applicable.



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## 1 Introduction

We have been appointed auditor of the IT-Universitetet i København by the Board of Directors and therefore perform the internal audit at the University. We are responsible to the Board of Directors for the overall internal audit work at the IT-Universitetet i København.

We have audited the draft financial statements for 2020 presented by the Board of Directors and the Executive Management, prepared in accordance with the Danish Executive Order no. 1021 of 24 June 2020 on the Grants and Auditing, etc., of Universities. As part of our audit, we have read the Management's review, the reporting on the Development Contract and financial highlights.

The financial statements show the following key figures:

DKK'000	2020	2019
Profit/loss from ordinary activities	-5,395	6,482
Profit/loss for the year	-3,331	9,257
Cash flows from operating activities	46,957	8,994
Total assets	238,622	191,963
Equity	80,166	83,497

Our long-form audit report has been prepared solely for the use of the Board of Directors, the Ministry of Higher Education and Science and Rigsrevisionen (the office of the Auditor General of Denmark) and is not to be used by any other party or for any other purpose.

## 2 Conclusion regarding the audit

The objective and scope of the audit and the responsibility for the financial reporting are outlined in our long-form audit report dated 6 April 2017.

Our audit of the financial statements for 2020 has been performed accordingly and in accordance with International Standards on Auditing and additional requirements applicable in Denmark as well as the Standards on Public Auditing.

If the Board of Directors approves the annual report in its present form, and provided no new material information is brought to our attention during the Board of Directors' discussion and approval of the annual report, we will issue an unmodified auditor's report on the financial statements and a statement with no comments on the Management's review, Development Contract and financial highlights.

## 3 Risk assessment

### 3.1 Risk of material misstatement in the financial statements

We discussed with Management the risk of material misstatement in the financial statements and the measures taken by Management to manage these risks, including measures to prevent, detect and correct misstatements.

In this connection, we assessed entity level controls and controls in significant specific accounting areas.

Based on our discussions with Management and our knowledge of the University's activities and other matters, we did not identify any financial statement items that, in our opinion, are associated with a risk of material misstatement in the financial statements, whether due to fraud or error.



As part of our audit plan, we identified the following significant accounting and auditing matters that require special attention:

Financial statement item	Audit objectives
▶ Income from government budget appropriations and prepaid government grants	Completeness, accuracy and cut-off
▶ Wages and salaries as well as payroll-related costs	Completeness and accuracy
▶ Externally funded activities in progress and prepaid restricted grants	Completeness, accuracy and correct accrual of income and expenses in the income statement as well as correct valuation
▶ Development Contract	Correct follow-up on strategic performance
▶ IT application and general IT controls	Data confidentiality and reliability

The financial statement items externally funded activities in progress and prepaid restricted grants are subject to accounting estimates. We focused on the significant accounting estimates made in the financial statements for 2020.

Based on the assessed risks of material misstatement in the financial statements, we have developed our audit strategy and plan for 2020.

We performed our audit in accordance with the established audit strategy and plan.

## 4 Cooperation with the Auditor General

Pursuant to section 9 of the Danish Auditor General Act, the Auditor General is responsible for the audit of the IT-Universitetet i København, and we have been appointed internal auditor by the University's Board of Directors. The University will forward the annual report for 2020 and the related long-form audit report to the Auditor General when the documents have been approved by the Board of Directors.

## 5 Comments relating to the audit of the financial statements for 2020

### 5.1 Government budget appropriations and prepaid government grants

In 2020, income from government budget appropriations amounted to DKK 289.8 million (2019: DKK 287.4 million) As part of our audit, we have checked that the University has established a control environment supporting correct calculation of student FTEs. We have also examined reconciliation of recognised government budget appropriations prepared by the University, including reconciliation of income to the Danish Finance Act, and on a test basis, we verified the basis on which government budget appropriations have been granted, including supplementary appropriation.

Based on our audit, we concur with the accounting treatment.

### 5.2 Income from research projects and externally funded activities in progress

Income from research projects in 2020 totalled DKK 38.4 million. (2019: DKK 36.1 million) Income from research activities are recognised as project-related costs are incurred. These costs include payroll costs and external costs and are managed as part of the University's overall control environment. If the University is entitled under the contract with the donor to include overheads for costs incurred, overheads are recognised as externally funded activities in progress.

In accordance with the accounting policies, externally funded activities in progress are presented separately in the balance sheet so that projects where the University has a receivable are shown separately from externally funded activities in progress where the University has a liability.

At 31 December 2020, the University has recognised a receivable from externally funded activities of DKK 4.0 million (2019: DKK 6.8 million). The amount reflects the value of earned income from research projects not yet invoiced. The projects are invoiced in accordance with the contract with the donors, which is typically when interim or final financial statements have been prepared.

At 31 December 2020, the University has recognised a liability relating to prepaid restricted grants of DKK 63.1 million (2019: DKK 18.2 million). The liability reflects the value of the prepayments received from research projects that will be eliminated as the University provides the research services agreed with the donor. The liability is attributable to an increase in the project portfolio, including a project where the University as coordinator has received significant prepayments to subsequently be distributed to the project's other parties.

At 31. december 2020, the University had not made a complete examination of the financial consequences, if any, of differences between the special rules for calculating costs eligible for grants under the project agreements in question and calculated project balances in the balance sheet.

Management has informed us that any adjustments of project balances are considered insignificant as the registrations in the payroll system, including the calculation of overheads, support the project handling, and that other project costs are approved and recognised as the project is carried out. Consequently, Management considers any differences between the most recent interim reporting to the coordinator and the balance at 31 December 2020 insignificant.

In 2020, we issued assurance reports on interim financial statements for two projects. On the basis of the conclusions from our examination of the two projects, we concur with Management's assessment that any differences as a result of incomplete examination of projects in progress at 31 December 2020 may be expected to be insignificant to the financial statements as a whole.

During our audit, we reviewed the basis for the accounting treatment of a selected sample of completed projects and projects in progress. For the selected sample, we have reviewed the contractual basis with the donor and reconciled the costs related to the project to registrations in the payroll system as well as underlying vouchers for external costs. For the selected sample, we have also tested the calculation of overhead and that prepayments received and payments from the donor have been treated correctly for accounting purposes.

Based on our audit, we concur with the accounting treatment.

### 5.2.1 Provision for losses on projects

As in prior years, the value of externally funded activities in progress has been written down. The write-down method consists of a specific write-down of projects and a general provision.

At 31 December 2020, no provision for specific write-downs of projects had been made (2019: DKK 0 thousand). The University's Management has assessed that project-specific risks are limited and that the financial consequences of onerous projects can therefore be covered by the general provision.

The general provision for 2020 is determined at 5% of total income from externally funded research activities, corresponding to DKK 1,922 thousand (2019: DKK 1,083 thousand). The percentage is determined based on the number of projects and complexity of agreements made, including special risks related to EU projects. The percentage for 2020 is changed from 3% to 5% due to the increased uncertainty of the potential effect of the COVID-19 pandemic on the completion of projects in progress.

Management assesses that the total write-down of DKK 1,922 thousand is appropriate and adequate to hedge the University's risk of losses on projects in progress at 31 December 2020.

We concur with the accounting treatment of externally funded activities in progress.

## 5.3 Research infrastructure

As part of EU rules on government grants, universities must annually prepare a description of their research infrastructure and assess whether the financial activity of the individual infrastructures relates

thereto. Note 25 to the financial statements of the IT University discloses that the University complies with EU's rules for government grants on research infrastructure as the University has no research equipment that it lends to the business sector.

As part of our audit, we assessed the fixed asset register and accounts for investments written off, which did not give rise to any comments.

#### 5.4 Trade receivables, etc.

At 31 December 2020 trade receivables, etc., totalled DKK 7,816 thousand (31 December 2019: DKK 9,529 thousand). An amount of DKK 0 thousand has been deducted for write-down for bad and doubtful debts (2019: DKK 0 thousand).

In connection with our audit of trade receivables, etc., we examined the aged debtors' listing and on a test basis verified documentation of subsequent payments.

We concur with the accounting treatment of trade receivables.

#### 5.5 Cash and securities

The University's cash totalled DKK 88,024 thousand at 31 December 2020 (31 December 2019: DKK 46,118 thousand).

Investments in securities totalled DKK 116,811 thousand at 31 December 2020 (31 December 2019: DKK 114,825 thousand).

According to the current investment policy dated 11 December 2020, the investments of the University must be made in an investment framework subject to the following limits:

- ▶ 0-100% of the investment is made in the Danish bond market or the like
- ▶ 0-20% of the investment is made in other bonds
- ▶ 0-15% of the investment is made in shares
- ▶ Operating cash must not exceed EUR 100 thousand.

The University has entered into an investment management agreement with Danske Capital. We have been informed that, pursuant to the agreement with Danske Capital, the placement requirements of the Danish Ministry of Justice must be complied with.

We have ensured that the investments made by Danske Capital at 31 December 2020 comply with the investment policy of the University.

In 2020, a gain on investments in securities of DKK 2,338 thousand was recognised (2019: gain of DKK 4,288 thousand). The gain for the year comprises dividend received as well as unrealised and realised capital gains on securities.

#### 5.6 Equity investments in subsidiaries

At 31 December 2020, ITU Business Development made investments totalling DKK 940 thousand (2019: DKK 963 thousand), which can be specified as follows:

- ▶ DKK 770 thousand was invested in an equity interest of approx. 18% in Flow Robotics A/S
- ▶ DKK 170 thousand comprises investments in minor companies that are all a result of the University's Startup Programme

In 2020, ITU Business Development realised a loss of DKK 813 thousand, and equity at 31 December 2020 totalled DKK 2,018 thousand. Based on positive expectations for 2021 and a forecast higher fair value on the investment in Flow Robotics A/S, it is the University's Management's opinion that there are no indications of impairment of the investment in ITU Business Development, which is included in the balance sheet at a value of DKK 3,500 thousand.

We have no basis for applying another assessment, and on this basis, we concur with the accounting treatment. We also refer to notes 10 and 24 to the financial statements.

## 5.7 Provisions

In connection with the rent of premises in DR Byen, the principles for recognition of provisions for the restoration of the premises were revalued. The University's Management has assessed that there is no basis for recognising a restoration liability regarding the premises in DR Byen. As part of the reassessment, a previous provision of DKK 2,924 thousand regarding the premises at Rued Langgaards Vej was recognised as income in accordance with the guidelines from the Danish Agency for Public Finance and Management. The counterpart to this lease is the Danish Building and Property Agency, and the lease does not include any requirement for restoration on vacation.

Based on our examination of leases and the guidelines from the Danish Agency for Public Finance and Management, we concur with the accounting treatment.

## 5.8 Liability for holiday allowance

At 31 December 2020, the University's liability for holiday allowance amounted to DKK 33,686 thousand (31 December 2019: DKK 27,964 thousand) and is made up of DKK 18,436 thousand regarding frozen holiday pay from the transitional period to new Danish Holiday Act and DKK 15,250 thousand as a liability pursuant to the New Danish Holiday Act with the addition of a remaining amount from the former Danish Holiday Act. The increase of the total liability for holiday allowance is primarily attributable to the fact that frozen holiday pay amount includes an amount payable for the period 1 September to 31 December 2019 that was earned in the financial year 2019 but is still recognised as a payable in the balance sheet at 31 December 2020.

The liability for holiday allowance under the new Danish Holiday Act is based on the value of holidays earned and extra holiday entitlements at 31 December 2020 to be taken at the average wages of employees at the IT University. The value of remaining holiday entitlement from previous years is based on actual holidays remaining.

We have examined the University's calculation of the holiday allowance, which has not given rise to any comments.

## 5.9 Related parties

As part of our audit, we ensured that Management has, as required, implemented business procedures and internal control systems that ensure identification and proper presentation of related party transactions in the financial statements.

The Executive Management has confirmed to us that realised related party transactions have been appropriately disclosed and have been carried out on an arm's length basis.

We refer to note 23 to the financial statements, which describes related party transactions.

## 5.10 Remuneration of the Executive Management and the Board of Directors

In 2020, remuneration of DKK 3.9 million (2019: DKK 4.1 million) was paid to the Executive Management, which included Vice Chancellor Martin Zachariassen, Pro-rector Jens Christian Godskesen and University Director Georg Dam Steffensen in 2020.

At 31 December 2020, a provision for bonus to the Executive Management regarding the 2020 financial year had been made totalling DKK 308 thousand (2019: DKK 294 thousand) as well as a provision of DKK 531 thousand for fixed-term employment bonus (2019: DKK 355 thousand).

We have ensured that the remuneration of the Executive Management is in accordance with contracts concluded and separate agreements.

We have ensured that the remuneration of the Board of Directors, DKK 390 thousand (2019: DKK 387 thousand), is in accordance with the remuneration approved by the Danish Ministry of Higher Education and Science.

## 5.11 Use of IT

### *Audit of general IT controls*

The audit of the use of IT systems is an integral part of our audit of the financial statements and includes an audit of general IT controls that are important to the University's ability to present financial statements that give a true and fair view. The audit performed did not include review of the University's procedures and controls in relation to cyber security.

An audit of general IT controls includes an audit of the following areas:

- ▶ Use of IT, including IT organisation, IT security policy and IT contingency plan
- ▶ Access to systems and data
- ▶ Development, maintenance and implementation of IT systems
- ▶ Operation, monitoring and backup of IT systems and data.

Management has informed us that it finds the established general IT controls appropriate considering the operations and risk profile of the University.

In connection with our audit of the use of IT systems, we did not identify any material weaknesses in the general IT controls established by Management, and we assess that the established controls support our financial audit.

However, we draw attention to the fact that we have not been able to test backup procedures regarding the Navision system as those procedures are handled by the Agency for Modernisation. We have received a representation letter for 2020 from the Agency for Modernisation regarding audit, security and services related to the Agency for Modernisation's customer-focused systems. In the representation letter, the Agency for Public Finance and Management confirms that the Agency can guarantee the security of the systems for the period 1 January - 31 December 2020 and that the auditor's reports and audit reports received in the calendar year do not contain comments on material importance to the institutions.

## 6 Management's review, Development Contract and financial highlights

In addition to our audit of the financial statements, we have read the Management's review, reporting on the Development Contract and financial highlights and

- ▶ compared the information therein to the information in the financial statements
- ▶ compared the information therein to the knowledge and the matters that we became aware of during our audit
- ▶ based on our knowledge of rules and regulations, considered whether there are errors or omissions in the Management's review and financial highlights.

We did not perform new specific procedures in connection with our statement on the Management's review and financial highlights. The Development Contract is comprised by the performance audit, see Section 7 below.

The work performed did not give rise to any comments.

## 7 Performance audit and compliance audit

In 2017, the Auditor General prepared and adopted new public auditing standards (SOR). The standards generally expand the performance audit and compliance audit requirements. The new standards

stipulate that separate audit procedures must be performed on various areas on a rotation basis in addition to the usual performance audit and compliance audit.

The subjects "Pay and employment-related transactions" as well as "Commercial activities" are subject to statutory annual examination and described in separate paragraphs in this section of the long-form audit report. The subjects "Management of activities and resources" as well as "Management of targets and profits" are also subject to statutory annual examination and are included in the description in the section on other performance audit procedures.

The subjects "Authorities' charging of fees", "Transfers defined by the authorities", "Budget management of multi-annual investment objects" and "Management of public grant schemes" are deemed irrelevant taking the University's activities and areas of responsibility into consideration. Instead, we have selected other subjects which are part of the rotation principle. In 2020, we decided to audit the University's entertainment expenses.

The areas that we expect to examine on a rotation basis in the period 2017-2021 are shown in the table below:

Subject	Year reviewed				
	2021	2020	2019	2018	2017
Payroll-related transactions	(X)	X	X	X	X
Sale/commercial activities	(X)	X	X	X	X
Management of activities and resources	(X)	X	X	X	X
Management of targets and profits	(X)	X	X	X	X
Management of purchases/public procurement					X
Appropriation of grants				X	
Handling of securities				X	
Costs other than purchases			X		
Learning environment			X		
Entertainment expenses		X			
Compliance with GDPR legislation	(X)				

#### **Entertainment expenses**

As part of the performance audit and compliance audit, we verified the below issues in relation to the University's procedures for managing entertainment expenses:

- ▶ We ensured that a policy for incurring entertainment expenses has been drawn up and is available on the University's intranet. The policy includes a definition of entertainment expenses and a description of events that imply entertainment expenses, including a threshold for the various events. Moreover, the policy includes guidelines and thresholds for gifts.
- ▶ Based on a selected sample among the registered entertainment expenses, we ensured that the policy is observed and is considered fair and reasonable taking the principal of economy into consideration. We also checked that the expenses have been approved in accordance with the University's relevant policies and that the entertainment expenses relate to the University's normal activities.

#### **Other performance audit procedures, including management of activities, resources, targets and profits**

The usual performance audit was performed along with and as an integral part of the financial audit of the financial statements and included an assessment of economy, productivity, efficiency and management control. The assessment is among other things based on analyses of items of income and expenses, calculation of financial ratios, examination of unusual development trends as well as analyses of budget variances and on a control that timely follow-up has been performed in this respect.

The University's Management is responsible for planning and managing the University's activities and thereby ensuring that resources, including government grants, are used in a financially responsible way.

It is expected that the University's Management, taking into consideration economy, productivity and efficiency, plans for administrating resources tailored to the size of the University. Reporting in that respect is included in the financial statements, which must include a number of financial highlights. In addition, interim financial statements are presented at each board meeting at which major budget variances are explained and an updated forecast of the year's income and expenses is presented.

#### ***Administration of the University's funds - economy***

Assessing economy includes examinations as to whether the University's transactions are in accordance with common standards for what is required from an expedient and economic administration of public funds taking into consideration the nature and size of the University, including whether goods and services are economically acquired taking into consideration price, quality and quantity.

We have reviewed selected cost types and analysed them, which did not give rise to any comments.

#### ***Administration of the University's funds - productivity***

The University's productivity and efficiency performance is laid down in the Development Contract applicable for 2018-2021 and comprises six strategic goals agreed with the Minister for Higher Education and Science. As part of our performance audit, we examined the University's procedures for data gathering and processing for purposes of the University's assessment as to whether the strategic goals have been complied with. We examined data gathering and processing and examined the documentation of selected performance targets on a sample basis. The selected sampling ensures that all six strategic goals will be subject to audit during the term of Development Contract.

We have examined the financial statements, including reporting on the Development Contract for 2020, which did not give rise to any comments.

#### ***Administration of the University's funds - efficiency***

Assessing the efficiency includes examining whether:

- ▶ the University has a well-defined strategy plan and has established measuring instruments (financial ratios, etc.)
- ▶ the University's actual activities are in accordance with the strategic goals
- ▶ the University has fulfilled its strategic goals taking into consideration the resources used
- ▶ the University performs internal quality controls, e.g. by means of subsequent evaluation of production
- ▶ Management of the University has made other examinations to illustrate efficiency.

As part of the audit performed, we discussed the University's strategy for 2017-2021 with Management, assessed the University's quality policy for education and guidelines for externally financed research projects ("ITU Funding procedure") In addition, we reviewed the University's assessment of compliance with the Development Contract.

Our review did not give rise to any observations.

#### ***Pay and employment-related transactions***

As part of our audit, we verified access procedures for the payroll system. We draw attention to the fact that none of the University's employees can access the payroll system and make changes to master data as the daily administration has been outsourced to CBS.

As part of our audit of payroll, we verified on a sample basis that employees are correctly graded in Statens Lønssystem (SLS) (government payroll system) in accordance with applicable collective agreements and that accumulated seniority is documented in staff files. In addition, we have examined remuneration of the Board of Directors and the Executive Management. Please refer to Section 5.10 above.

Our review did not give rise to any observations.

### ***Commercial activities***

As part of our audit, we have verified that the University evaluates whether governmental funding is used for commercial activities. We assess that the University evaluates the area for commercial activities in a timely manner and that income and related expenses are recognised in accordance with applicable guidelines.

Our examination did not give rise to any observations, and we refer to note 20 to the financial statements in which profit/loss from commercial activities is disclosed.

### ***Conclusion on performance audit and compliance audit***

We assess that the University generally demonstrates proper administration when using public funds and that the University lives up to expectations of economy, productivity and efficient management, including management control.

We also assess that the transactions carried out in the areas that we have examined were carried out in compliance with the legislative framework.

## **8 Other matters**

### **8.1 Executive Management's representation letter**

In connection with the financial reporting, we have obtained a representation letter signed by the Executive Management on matters that materially affect the financial statements, the Management's review, the Development Contract and the financial highlights.

The representation letter covers the contents of the financial statements, including capital resources, information about charges and security, guarantees, legal proceedings, fraud, related party transactions, events after the balance sheet date, uncorrected misstatements and other audit areas where sufficient appropriate audit evidence is difficult to obtain. In addition, the representation letter covers the matters that the Management's review deals with.

We have no comments on the representation letter obtained.

### **8.2 Uncorrected misstatements**

In accordance with International Standards on Auditing, it is our duty to inform the Board of Directors of any misstatements that have not been corrected in the draft financial statements, as the effects of these, in the opinion of the Executive Management, are immaterial, both individually and in the aggregate, to the financial statements taken as a whole.

The purpose of this information is to ensure that the Board of Directors is aware of and concurs with the Executive Management's assessment.

We did not identify any misstatements that have not been corrected in the draft financial statements.

### **8.3 Fraud risk**

We planned and performed our audit to obtain reasonable assurance as to whether the financial statements as a whole are free from material misstatement, whether due to fraud or error.

During our audit, we did not identify any matters indicating or raising suspicion of material misstatement of the disclosures in the financial statements due to fraud.

The Executive Management has informed us that, in its opinion, the University's business procedures and internal controls in the identified risk areas are adequate and effective to address the risk of fraud and that appropriate segregation of duties has been established.

The Executive Management has informed us that it is neither aware of any fraud nor of ongoing investigations of suspected fraud in the University.



As required by International Standards on Auditing, we will ask the Board of Directors at the board meeting on 15 April 2021 whether it has any knowledge of identified or suspected fraud.

#### 8.4 Compliance with legislation

We made enquiries of the Executive Management as to whether any actual or possible non-compliance with laws and regulations of importance to the financial statements has been disclosed to us during the audit and adequately recognised and disclosed in the financial statements. The Executive Management has confirmed to us that it is not aware of any matters of importance to the financial statements.

We are not aware of any non-compliance with Danish accounting legislation and the Danish Bookkeeping Act or other legislation that may materially affect the financial statements.

#### 8.5 Events after the balance sheet date

The Executive Management has examined and assessed events after the balance sheet date to ensure that all material events after the balance sheet date have been properly disclosed in the financial statements.

In this connection, we have been informed by the Executive Management that, in its opinion, all events that have arisen after the balance sheet date have been included and properly disclosed in the financial statements.

Apart from the information already included and properly disclosed in the financial statements, we found no evidence of events after the balance sheet date that materially affect the financial statements.

#### 8.6 Insurance

Insurance matters are not covered by our audit obligations. At our request, the Executive Management has confirmed that, taking into account the fact that the University is comprised by the government self-insurance principle, insurance has been taken out to the extent permitted by legislation.

### 9 Other statements and confirmations

#### 9.1 Statements and confirmations obtained

We have obtained a representation letter signed by the University's Executive Management.

Moreover, we have obtained attorney's letters and bank statements from the University's attorneys and banks.

Our examination of the statements and confirmations did not give rise to any comments.

### 10 Other disclosures, etc.

#### 10.1 Non-audit services

In addition to the work performed in connection with our statutory audit, subsequent to the long-form audit report dated 1 April 2020, we have upon request assisted the University with the following:

##### *Assurance engagements*

- ▶ Issuance of reports on two project financial statements

**Non-audit services**

- ▶ Translation of long-form audit report for 2020 into English.
- ▶ Preparation of a memorandum on the VAT treatment of course activities.

**Safeguards**

Prior to accepting and providing the above services and assistance, we assessed any conflicts with independence requirements.

In our opinion, the services and assistance, both individually and in the aggregate, have been provided in compliance with applicable independence requirements.

**10.2 The Board of Directors' duties**

We ensured that:

- ▶ rules of procedure for the Board of Directors have been prepared (last dated 20 September 2018)
- ▶ minutes of the meetings of the Board of Directors are prepared and kept
- ▶ long-form audit reports are signed by the Board of Directors.

**Minutes of the meetings of the Board of Directors**

We have read the minutes of the meetings of the Board of Directors up to the meeting on 19 November 2020. We are not aware of any matters that have not been properly disclosed in the financial statements.

Copenhagen, 15 April 2021  
EY Godkendt Revisionspartnerselskab

Peter Gath  
State Authorised  
Public Accountant

Morten Weinreich Larsen  
State Authorised  
Public Accountant

Pages 223-235 were presented at the meeting on 15 April 2021.

Board of Directors:

Carsten Krogh Gomard  
Chair

Lars Mathiesen

Kristine Stenhuus

David Basin

Christina Hvid

Mircea Lungu

Anaya Mourad Jensen

Mikala Sofie Skoglund  
Thomsen

Sebastian Mateos Nicolajsen



## Enclosure 3

# Statusredegørelse 2020

for IT-Universitetet i Københavns

Strategiske Rammekontrakt 2018-2021

**Statusredegørelse 2020 og den ajourførte handlingsplan for 2021 dokumenterer institutionens arbejde med at realisere målene i den Strategiske Rammekontrakt 2018-2021.**

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IT-Universitetet i København har følgende strategiske mål i kontraktperioden 2018-2021:

1. Øge kapaciteten af forskningsbaseret uddannelse af tekniske it-specialister
2. Flere kvindelige tekniske it-specialister
3. Alle studerende skal opnå et højt læringsudbytte
4. Alle dimittende skal have gode karrieremuligheder
5. Styrelse af it-forskningen inden for områder, der afspejler samfundsmæssige behov
6. Samarbejde og udveksling af viden med fokus på styrkelse af it-fag i folkeskolen og gymnasiet.

I Statusredegørelsen fremhæves de vigtigste resultater fra 2020 for hvert af disse seks strategiske mål.

For at sætte ekstra fokus på fremdriften på de seks strategiske mål, har IT-Universitetet i København (herefter IT-Universitetet) igen i 2020 fastsat og kvartalsvist fulgt op på målene for de forskellige indikatorer, der er fastsat for hvert af de seks strategiske mål for IT-Universitetet. Desuden har IT-Universitetet som noget nyt i 2020 valgt at udvide indsatsen inden for de seks strategiske målområder ved også kvartalsvis at følge op på de i foråret 2020 til Ministeriet for Uddannelse og Forskning fremsendte *Påtænkte handlinger for 2020*. I Statusredegørelsen henvises der såvel til fremdrift i forhold til 2017-baseline som til opnåelsen af de mål, som IT-Universitetet har opstillet i 2020 i relation til indikatorerne.

### 1.1 Strategisk mål 1

#### Øge kapaciteten af forskningsbaseret uddannelse af tekniske it-specialister

IT-Universitetet vil, hvis de statslige bevillinger fremadrettet giver mulighed herfor, øge kapaciteten af forskningsbaseret uddannelse af tekniske it-specialister for at møde efterspørgslen og understøtte Danmarks digitale vækst.

### 1.2 Institutionens vurdering af det strategiske mål

Da der er vækst i antallet af optagne tekniske it-studerende i forhold til perioden 2017-2019, og da optaget af bachelorstuderende er højere end målet for 2020, samtidig med at frafaldet på første studieår på de tekniske bacheloruddannelser er lavere end frafaldet i perioden 2017-2019, er det IT-Universitetets vurdering, at der igen i 2020 er opnået klar fremgang inden for dette strategiske mål.

Fundamentet for forøgelsen af kapaciteten af forskningsbaseret uddannelse af tekniske it-specialister blev lagt i 2018 med bevilling af øgede basismidler. Disse midler samt midler fra STEM-puljen startende i 2019 og de ekstra oprettede studiepladser i 2020 som følge af COVID-19 har betydet en markant øgning af antallet af optagne tekniske bachelorstuderende.

For de tekniske bacheloruddannelser var det IT-Universitetets mål at øge antallet af optagne studerende til 240 i 2020. Dette mål blev nået, da der blev optaget 283 bachelorstuderende – heraf 195 studerende på bacheloruddannelsen i Softwareudvikling og 88 studerende på bacheloruddannelsen i Data Science. Hermed har der været en øgning på 80 bachelorstuderende, hvilket svarer til en stigning i antallet af optagne studerende på henholdsvis 33 og 57 pct. i forhold til 2017-indikatorerne, som var henholdsvis 147 og 56 optagne bachelorstuderende.

For de tekniske kandidatuddannelser har der været en stigning på 72 studerende svarende til 45 pct. på antallet af optagne studerende i 2020 i forhold til antallet af optagne i 2017.

Den øgede bevilling af basismidler, STEM-midler og midler som følge af COVID-19 har således i 2020 betydet et øget optag på 152 tekniske it-studerende på IT-Universitetet i forhold til 2017.

Derudover var det i 2020 målet, at der på de to tekniske bacheloruddannelser højest var et frafald på 20 pct. det første studieår. Dette mål er nået med et frafald på kun 9 pct. på bacheloruddannelsen i Softwareudvikling og et frafald på 12 pct. på bacheloruddannelsen i Data Science.

Som understøttende aktivitet er der også i 2020 gennemført en kommunikationsindsats med fokus på de tekniske it-uddannelser.

### 1.3 Væsentlige understøttende aktiviteter

Der har været en kommunikationsindsats i 2020 målrettet gymnasieelever med henblik på at øge interessen for at søge de tekniske it-uddannelser på IT-Universitetet.

De væsentligste understøttende aktiviteter bestod i:

- Undervisning i digital dannelse i gymnasieskolen. I alt har 4075 gymnasieelever været igennem IT-Universitetets digitale dannelsesforløb i 2020.
- Undervisning i Coding Classes i gymnasieskolen. Ca. 900 gymnasieelever er blevet introduceret til grundlæggende programmering i regi af IT-Universitetets Coding Class-forløb.
- Der var i alt 33 gymnasieelever i studiepraktikforløb på de to bacheloruddannelser i Softwareudvikling og i Data Science i uge 43. Forløbet blev afkortet fra tre til to dage og afholdt digitalt.
- I løbet af 2020 har 225 gymnasieelever været på besøg med deres gymnasieklasse på IT-Universitetet og er i den forbindelse blevet introduceret til de to uddannelser. Initiativet har været præget af lockdown og mange aflysninger som følge af COVID-19.
- I løbet af 2020 har 54 gymnasieelever deltaget i tilbuddet om at være studerende for en dag på IT-Universitetet. Dette initiativ har også været præget af lockdown.
- IT-Universitetet har deltaget i 16 virtuelle messer målrettet gymnasieelever med faglige oplæg og rådgivning omkring uddannelse. Messerne plejer at være fysiske, men blev omlagt til virtuelle messer pga. COVID-19.
- De to uddannelser er blevet markedsført overfor gymnasieelever, deres forældre og gymnasielærere.
- Der blev i februar 2020 afholdt Åbent Hus-event om IT-Universitetets uddannelser – herunder de tekniske uddannelser.
- Der er blevet gennemført en IT-Camp og tre Coding Café-forløb for kvindelige gymnasieelever.
- Der er blevet afviklet en rollemodelkampagne på de sociale medier med fokus på de tekniske it-uddannelser med i alt godt 4 millioner eksponeringer i hele 2020.

### 1.4 Ændringer

Der har været en del ændringer af den planlagte kommunikationsindsats i form af aflysninger på grund af lockdown og omlægning af aktiviteter fra fysiske events til online aktiviteter som følge af COVID-19, jf. afsnit 1.3.

## 1.5 Dokumentation for udvikling i de fastsatte indikatorer

### Udvikling i de fastsatte indikatorer

	Baseline	2018	2019	2020	2021
<b>Tilgang af studerende på tekniske it-uddannelser</b>					
Årlig tilgang på bacheloruddannelsen i Softwareudvikling	147	149	162	195	
	Se note 1)				
<b>Frafald af studerende på tekniske it-uddannelser</b>					
Årlig tilgang på bacheloruddannelsen i Data Science	56	64	68	88	
	Se note 2)				
<b>Frafald af studerende på tekniske it-uddannelser</b>					
Frafald under første år på bacheloruddannelsen i Softwareudvikling (pct.)	16	14	17	9	
Frafald under første år på bacheloruddannelsen i Data Science (pct.)	Fastlagt i 2018	16	16	12	

Note 1): I forbindelse med bevillingen af øgede basismidler blev der aftalt et optag på 140 studerende på bacheloruddannelsen i Softwareudvikling.

Note 2): I forbindelse med bevillingen af øgede basismidler blev der aftalt et optag på 50 studerende på bacheloruddannelsen i Data Science.

## 2.1 Strategisk mål 2

### Flere kvindelige tekniske it-specialister for at styrke kvaliteten i samfundets digitalisering

IT-Universitetet vil nå målet ved at øge andelen af kvindelige studerende og ved at blive endnu bedre til at fastholde kvindelige studerende på studiet.

## 2.2 Institutionens vurdering af det strategiske mål

I forhold til baseline i 2017 er der sket fremgang for dette mål, og i forhold til 2019 er der sket en markant fremgang, idet der både har været fremgang i indikatorerne for så vidt angår optag af kvindelige studerende som i forhold til frafaldet.

IT-Universitetet har i 2020 det hidtil laveste frafaldsniveau på 4 pct. blandt kvindelige studerende på bacheloruddannelsen i Softwareudvikling. Målet om maksimalt at have et frafald blandt kvindelige studerende på 20 pct. i 2020 på uddannelsen blev således klart nået.

I 2020 udgjorde de optagne kvinder 24 pct. og dermed næsten en fjerdedel af de optagne studerende på bacheloruddannelsen i Softwareudvikling. Det er den hidtil højeste andel optagne kvindelige studerende siden uddannelsens start i 2007, og resultatet lever op til målet i 2020 på 20 pct. Blandt alle optagne bachelorstuderende på IT-Universitetet i 2020 er 33 pct. kvinder, mens der er 46 pct. kvinder optaget på kandidatuddannelserne.

Som understøttende aktivitet er der også i 2020 gennemført en vigtig kommunikationsindsats målrettet kvinder. Indsatsen har dog været mindre end planlagt ved årets start på grund af aflysninger og omlægninger som følge af COVID-19.

IT-Universitetet har i løbet af 2020 søsat et stort anlagt treårigt formidlingsprojekt med fokus på at øge interessen blandt unge – ikke mindst kvinder – for at læse de mest tekniske bacheloruddannelser. Projektet er støttet af en bevilling på 3,8 millioner kr. fra Novo Nordisk Fonden. Bevillingen bliver blandt andet anvendt til at udvikle et YouTube-univers med tutorials og video-logs, der skal anskueliggøre, hvad programmering er, og hvordan teknologien kan bidrage til at løse store samfundsmæssige problemer. YouTube-kanalen er suppleret af en Instagramprofil. Begge dele kom i luften i december 2020.

## 2.3 Væsentlige understøttende aktiviteter

De væsentligste understøttende aktiviteter i forhold til at nå målet om flere kvindelige tekniske it-specialister er:

- Afholdelse af en IT-Camp for kvindelige gymnasieelever i efterårsferien i 2020. I alt deltog 22 kvindelige gymnasieelever. IT-Camp er fortsat en af de understøttende aktiviteter, der har allerstørst effekt på kvinders interesse for og lyst til at søge ind på en it-uddannelse. Ca. 29 pct. af deltagerne, der var til IT-Camp i perioden 2017 til efteråret 2019, har efterfølgende søgt ind på en af IT-Universitetets uddannelser.
- Afholdelse af tre Coding Café-forløb for kvindelige gymnasieelever i løbet af 2020 med i alt 86 deltagere. Denne outreach-aktivitet er også en nøgleaktivitet i forhold til at øge andelen af kvindelige studerende. Ca. 18 pct. af deltagerne i



Coding Café-forløbene i perioden 2018 til foråret 2020 har efterfølgende søgt ind på en af IT-Universitetets uddannelser.

- Der er blevet afviklet en rollemodelkampagne på de sociale medier bestående af videoer med kvindelige studerende på de tekniske uddannelser og kvindelige softwareudviklere. Kampagnen er målrettet kvindelige gymnasieelever og kvinder, der holder sabbatår. Kampagnen, der fortsætter i de kommende år, har haft godt fire millioner eksponeringer i løbet af 2020.
- Desuden har kvindelige gymnasieelever deltaget i alle de aktiviteter for gymnasieelever, der er beskrevet under strategisk mål 1.

## 2.4 Ændringer

Der har været en del ændringer af den planlagte kommunikationsindsats i form af aflysninger på grund af lockdown og omlægning af aktiviteter fra fysiske events til online aktiviteter som følge af COVID-19, jf. beskrivelserne i afsnittene 1.3 og 2.3.

## 2.5 Dokumentation for udvikling i de fastsatte indikatorer

### Udvikling i de fastsatte indikatorer

	Baseline	2018	2019	2020	2021
<b>Andel af kvinder i tilgangen til tekniske it-uddannelser</b>					
Andelen af kvinder tilgået bacheloruddannelsen i Softwareudvikling (pct.)	22	20	17	24	
<b>Frafald blandt kvinder</b>					
Frafaldsprocenten blandt kvinder på bacheloruddannelsen i Softwareudvikling efter første studieår (pct.)	24	13	13	4	

### 3.1 Strategisk mål 3

#### Alle studerende skal opnå et højt læringsudbytte

IT-Universitetet vil styrke forskningsdækningen af enkelte uddannelser og fastholde høj grad af kvalitet, set med de studerendes øjne.

### 3.2 Institutionens vurdering af det strategiske mål

Der er sket fremgang i dette strategiske mål i forhold til baseline. Således lever alle uddannelser også i 2020 hver især og i gennemsnit op til IT-Universitetets standarder for VIP/DVIP-ratio. Derudover er uddannelsernes kvalitet i de studerendes øjne og de studerendes udbytte af undervisningen igen i 2020 af samme høje kvalitet som tidligere.

IT-Universitetets samlede VIP/DVIP-ratio er i 2020 4,8, hvilket er højere end standarden på 3,0 i IT-Universitetets kvalitetspolitik. På alle IT-Universitetets uddannelser er VIP/DVIP-ratioen i 2020 mindst 2,9, hvilket er over minimumsmålet på 2,4 gældende for de enkelte uddannelser. På bacheloruddannelsen i Softwareudvikling, hvor VIP/DVIP-ratioen i 2018 var 1,9 og 2,4 i 2019, er målet i 2020 nået med en VIP/DVIP-ratio på 2,9.

Den nationale uddannelsesevaluering, UddannelsesZOOM, som gennemføres hvert andet år, er gennemført ultimo 2020. Scoren på indikatoren "Kvaliteten af min uddannelse er samlet set høj" blev 4,3 i 2020, hvilket er højere end baseline for indikatoren i 2016 og tæt på scoren (4,4) for samme indikator for 2018. Scoren på indikatoren "Mit udbytte af undervisningen er højt" er 4,0 i 2020, hvilket er tæt på scoren i de tidligere år. Begge scorer opfylder dermed i 2020 IT-Universitetets målsætning om at være mindst 4,0 på en skala fra 1-5.

For at videreudvikle kvaliteten af uddannelserne er som understøttende aktivitet i 2020 igangsat udviklingen af en model for løbende pædagogisk/didaktisk kompetenceudvikling for fastansatte undervisere (VIP). I modellen indgår blandt andet fastlæggelse af undervisningskompetencer både til brug for den løbende kompetenceudvikling og ved rekruttering af undervisere til IT-Universitetet. Desuden oprettede IT-Universitetet i 2020 Center for Computing Education Research for generelt at styrke forskning og udvikling af it-undervisningen, herunder også på universitetsniveau.

### 3.3 Væsentlige understøttende aktiviteter

De væsentligste understøttende aktiviteter i 2020 i forhold til at nå målet om at fastholde høj kvalitet og højt læringsudbytte i uddannelserne samt at styrke forskningsdækningen er:

- Der har i 2020 været fokus på at have VIP/DVIP-ratioen mindst på minimumskravet på alle uddannelser, allerede når underviserbemandingen af kurserne påbegyndes. Der har især været fokus på VIP/DVIP-ratioen på bacheloruddannelsen i Softwareudvikling med det resultat, at den er øget hvert år i de seneste tre år.
- IT-Universitetet havde i 2020 påtænkt at implementere nye former for 'blended learning' på mindst fire kurser. På grund af COVID-19 blev handlingen i stedet ændret til, at alle IT-Universitetets kurser blev omlagt til onlinekurser.

Evaluering af de mange onlineundervisningsaktiviteter gav et blandet billede af tilfredshed med undervisningsforløbene, hvor nogle var tilfredse og andre mindre tilfredse. Evaluering, opfølgning og udvikling af onlineundervisningsaktiviteter vil fortsætte i 2021.

- Arbejdet med at udvikle en model for løbende pædagogisk/didaktisk kompetenceudvikling for fastansatte VIP blev påbegyndt i 2020. Arbejdet er forsinket pga. COVID-19 men forventes afsluttet i første halvår af 2021.
- Der er i 2020 fortsat blevet fulgt op på de studerendes halvårslige kursusevaluering. Efter hver kursusevaluering mødes den pædagogiske enhed, Learning Support, og studielederen i det nødvendige omfang med alle uddannelsesledere. For de kurser, som ikke opfylder de interne kvalitetsmål, eller som ligger i risikozonen, lægges der en handlingsplan for at sikre, at kurset øger kvaliteten og fremadrettet modtager en bedre evaluering. IT-Universitetets nyudviklede undervisningsevalueringssystem blev gennemført for anden gang i 2020. Det øgede fokus på kvalitative spørgsmål i systemet giver et godt og nyttigt indblik.

### **3.4 Ændringer**

IT-Universitetets implementering af 'blended learning' og udvikling af en model for løbende pædagogisk/didaktisk kompetenceudvikling for fastansatte VIP blev påbegyndt men ikke færdiggjort i 2020. Arbejdet er forsinket pga. COVID-19, men videreføres i 2021.

### 3.5 Dokumentation for udvikling i de fastsatte indikatorer

#### Udvikling i de fastsatte indikatorer

	Baseline	2018	2019	2020	2021
<b>Forskningsbaseret uddannelse</b>					
ITU´s samlede VIP/DVIP-ratio	3,5 (2016)	5,5	4,7	4,8	
VIP/DVIP-ratioer på de enkelte uddannelser:					
B-Digital Design og Interaktive Teknologier	2,6	4,0	3,1	2,9	
B-Data Science	Se note 1)	Kun VIP	9,9	8,4	
B-Global Business Informatics	2,0	3,7	3,6	3,0	
B-Softwareudvikling	2,8	1,9	2,4	2,9	
K-Datalogi	Se note 1)	Kun VIP	26,6	10,1	
K- Digital Design og Interaktive Teknologier	3,1	26,2	5,4	5,4	
K-Digital Innovation & Management	5,9	7,4	6,9	5,4	
K-Games	5,2	5,0	4,8	15,7	
K-Softwaredesign	14,2	17,1	13,1	10,5	
M-It-ledelse	1,1	10,6	8,6	4,1	
<b>Kvalitet af uddannelser set med de studerendes øjne</b>					
Gennemsnitsscoren på UddannelsesZOOM-spørgsmålet ”Kvaliteten af min uddannelse er samlet set høj”	4,1	4,4	-	4,3	
	Se note 2)		Se note 3)		
<b>Udbytte af undervisning set med de studerendes øjne</b>					
Gennemsnitsscoren på UddannelsesZOOM-spørgsmålet ”Mit udbytte af undervisningen er højt”	4,1	4,1	-	4,0	
	Se note 2)		Se note 3)		

Note 1): Bacheloruddannelsen i Data Science og kandidatuddannelsen i Datalogi var ikke etableret i 2016.

Note 2): Målingen vedrører 2016

Note 3): Ingen nye data i 2019

#### 4.1 Strategisk mål 4

##### **Alle dimittender skal have kompetencer, der giver gode karrieremuligheder**

IT-Universitetet vil reducere dimittendledigheden på de kandidatuddannelser, der ikke allerede har lav dimittendledighed; dette vil ske gennem revision af uddannelserne baseret på tæt dialog med aftagerne.

#### 4.2 Institutionens vurdering af det strategiske mål

IT-Universitetet har i 2020 haft fremgang inden for dette strategiske mål, idet dimittendledigheden er faldet markant i 2020 i forhold til baseline i 2017 og i forhold til ledigheden for kandidatdimittender på landsplan. Desuden er indikatoren "Min uddannelse har rustet mig til mit nuværende eller seneste job" øget i forhold til baseline.

Gennemsnittet af de seneste tre års ledighed for kandidatdimittender opgjort 4-7 kvartaler efter dimission er faldet fra baseline i 2017 på 11,2 pct. til 8,6 pct. i 2020. IT-Universitetet vurderer det ligeledes positivt, at universitetets dimittendledighed ligger under landsgennemsnittet, som var henholdsvis 12,5 pct. og 11,1 pct. i 2017 og 2020. IT-Universitetets ledighed har hvert år i perioden fra 2017-2020 været lavere end landsgennemsnittet, men hvor landsgennemsnittet for ledighed er faldet 11 pct., er IT-Universitetets ledighed faldet 23 pct. over de fire år.

Den nationale uddannelsesevaluering, UddannelsesZOOM, som gennemføres hvert andet år, er gennemført ultimo 2020. Dimittendernes vurdering, af hvorvidt deres uddannelse har rustet dem til deres job, gav en score på 4,1 på en skala fra 1-5. Dermed er scoren i 2020 højere end i de tidligere år, ligesom IT-Universitetets mål for indikatoren på 4,0 er opfyldt.

Med hensyn til relevans set med aftagerøjne har IT-Universitetets tætte dialog med aftagerne i regi af aftagerpanelerne i 2020 fortsat været en vigtig understøttende aktivitet med henblik på at reducere dimittendernes ledighed. Aftagerpanelerne har således igen i 2020 evalueret og godkendt arbejdsmarkedsbilletterne på alle IT-Universitetets uddannelser. Det reviderede årshjul og afrapporteringsskema har for aftagerpanelerne været i brug fra starten af 2020 og har fungeret godt.

#### 4.3 Væsentlige understøttende aktiviteter

De væsentligste understøttende aktiviteter i forhold til at nå målet om dimittendernes gode karrieremuligheder er:

- For IT-Universitetet er aftagerpanelerne meget vigtige, og i 2019 blev aftagerpanelernes årshjul og afrapporteringsskema revideret. I 2020 er disse implementeret, og ibrugtagningen er sket i alle aftagerpaneler. Baseret på aftagerpanelernes afrapportering i det reviderede skema har IT-Universitetet i 2020 foretaget en systematisk opfølgning på aftagerpanelernes anbefalinger efter de enkelte aftagerpanelers første møde i året.
- Gennemførelsen af en ønsket homogenisering af arbejdsmarkedsbilletterne for hver af IT-Universitetets uddannelser er derimod ikke blevet afsluttet i 2020, og dette arbejde vil blive fortsat i 2021.

- IT-Universitetets erhvervskoordinator har planlagt og gennemført en række karriererelevante arrangementer og aktiviteter, fx IT Match Making, som hvert år er fuldt booket med interesserede virksomheder og virksomheder på venteliste, og som har stort besøg af studerende og alumner.
- For at sikre dimittendernes hurtige overgang til beskæftigelse er der på kandidatuddannelserne i Games og Digital Design og Interaktive Teknologier taget flere initiativer:
  - Ved rekruttering af aftagere til uddannelsernes aftagerpanel sikres det, at der for hver af uddannelsernes faglige specialisering er aftagerrepræsentanter, samt at vigtige aftagere er repræsenteret i aftagerpanelet.
  - De studerende eksponeres undervejs i studiet for færdiguddannede og beskæftigede inden for uddannelsernes faglige områder, herunder via projekter, besøg og undervisere.
  - Der afholdes et karrierelæringsforløb i samarbejde med alumner og aftagere, og de studerende hjælpes til at afklare egne kompetencer og til at kommunikere dem som en del af deres jobsøgningsstrategier og opbygning af professionelle netværk.

#### **4.4 Ændringer**

Homogenisering af arbejdsmarkedsbilletter blev påbegyndt i foråret 2020, men på grund af COVID-19 er arbejdet ikke afsluttet. Arbejdsmarkedsbilletter er blevet drøftet på Executive-Level aftagerpanelets møde i efteråret 2020, men en homogenisering er ikke opnået i 2020.

## 4.5 Dokumentation for udvikling i de fastsatte indikatorer

### Udvikling i de fastsatte indikatorer

	Baseline	2018	2019	2020	2021
<b>Dimittendledighed</b>					
Gennemsnittet af de sidste tre års dimittendårganges ledighed 4.-7. kvartal efter fuldførelse vægtet med antal fuldførte (pct.)	11,2	11,2	9,8	8,6	
<i>Til sammenligning:</i> Gennemsnittet af de sidste tre års dimittendårganges ledighed 4.-7. kvartal efter fuldførelse vægtet med antal fuldførte for alle danske delte universiteters kandidater (pct.)	12,5	11,6	11,0	11,1	
<b>Relevans set med dimittendernes øjne</b>					
Gennemsnitscoren på UddannelsesZOOM-spørgsmålet "Min uddannelse har rustet mig til mit nuværende eller seneste job"	3,9	3,7	-	4,1	
	Se note 1)		Se note 2)		
<b>Relevans set med aftagerøjne</b>					
Årlig kvalitativ evaluering med aftagerpanelet af, hvorvidt alle uddannelser har en arbejdsmarkedsbillet, med henblik på evt. tilretning i uddannelserne	Opfyldt for alle uddannelser	Opfyldt for alle uddannelser	Opfyldt for alle uddannelser	Opfyldt for alle uddannelser	

Note 1): Målingen vedrører 2016

Note 2): Ingen nye data i 2019

## 5.1 Strategisk mål 5

### Styrkelse af it-forskningen inden for områder, der afspejler samfundsmæssige behov

It-Universitetet agter at uddanne og ansætte flere forskere inden for digitalisering, og, dersom forudsætningen for Strategisk mål 1 opfyldes, tillige inden for informationssikkerhed og data science.

## 5.2 Institutionens vurdering af det strategiske mål

IT-Universitetet har haft væsentlig fremgang inden for dette mål i 2020, idet forskningsmiljøet i data science og i informationssikkerhed er blevet styrket i løbet af 2020 i forhold til baseline i 2017. Fremgangen i 2020 er både sket ved nyansættelser og ved ansættelse af nuværende adjunkter som lektorer. Desuden er der inden for it-sikkerhed og digitalisering hjemtaget eksterne bevillinger, der har muliggjort ansættelse af ph.d.-studerende og postdocs. Yderligere er der taget initiativer til øget samarbejde inden for IT-Universitetets Forskningscenter for Offentlig IT.

IT-Universitetets styrkelse af forskningsmiljøet inden for data science er sket ved ansættelse af en adjunkt i 2020, og yderligere tre lektorer er ansat i 2020 med jobstart primo 2021. Desuden er fire nuværende adjunkter i årets løb blevet ansat som lektorer. Der er desuden hjemtaget meget væsentlige eksterne forskningsmidler, og både i 2020 og de kommende år vil der således blive rekrutteret ph.d.-studerende og postdocs.

IT-Universitetet har i 2020 styrket forskningsmiljøet inden for informationssikkerhed, idet en nuværende adjunkt er blevet ansat som lektor. Det betyder, at der i IT-Universitetets Center for Information Security and Trust nu er ansat en professor, fire lektorer og tre adjunkter, og herved stadig ansat otte forskere på mindst adjunktniveau.

Den væsentligste understøttende aktivitet har i 2020 været bemanningen af forskningsmiljøerne, herunder stillingsopslag, rekrutteringsaktiviteter, bedømmelse, ansættelsessamtaler, forhandlinger mv. Endvidere har IT-Universitetet understøttet forskeres ansøgninger om eksterne forskningsmidler, hvilket har båret frugt i form af samarbejder og eksterne bevillinger.

Som understøttende aktivitet i forhold til at opnå øgede eksterne forskningsmidler har IT-Universitetet i 2020 indgået i dialog med flere store private fonde og virksomheder, hvor forskningsprojekter og samarbejder er under udvikling.

## 5.3 Væsentlige understøttende aktiviteter

Styrkelsen af IT-Universitetets basismidler fra 2018 og frem, samt STEM-midler fra 2019 har været helt afgørende for at foretage en langsigtet rekruttering af videnskabeligt personale og dermed øge forskningsunderstøttelse af uddannelserne.

Andre væsentlige understøttende aktiviteter i forhold til at nå målet om styrkede it-forskningsmiljøer inden for digitalisering er:



- Der er i 2020 indledt et samarbejde mellem Forskningscenter for Offentlig IT og professor Bent Flyvbjerg ved Oxford Universitets Saïd Business School. Bent Flyvbjerg er internationalt ledende forsker i megaprojekter, herunder it-projekter, og er blevet tilknyttet Institut for Datalogi som adjungeret professor samt blevet tildelt IT-Universitetets første æresdoktorgrad.
- IT-Universitetet har i 2020 oprettet et nyt forskningscenter, Center for Digital Welfare, med fokus på, hvordan digitalisering har forandret og stadig forandrer velfærdssamfundet. Centrets forskning er inden muligheder og udfordringer ved samspillet mellem mennesker og teknologi i en digitaliseret velfærdsstat.

De væsentligste understøttende aktiviteter i forhold til at nå målet om styrkede it-forskningsmiljøer inden for informationssikkerhed og data science er:

- Der har i 2020 været to internationale, generelle adjunkt-/lektorstillingsopslag, samt et specifikt opslag i network science. Specielt de generelle opslag har tiltrukket mange kvalificerede ansøgere, og det er i 2020 lykkedes at rekruttere flere dygtige, fortrinsvis yngre, forskere af begge køn, som alle er udenlandske.
- Vi følger vores interne forskerrekruiteringsplan for årene 2019-2022, hvor de generelle stillingsopslag forventes gentaget hvert af årene. Planen indeholder også nogle områdespecifikke opslag.
- Der har i rekrutteringsprocessen været opmærksomhed på den skæve kønsfordeling blandt forskerne på Institut for Datalogi, og det har ført til en væsentlig bedre balance. Der har blandt andet været opmærksomhed på at formulere stillingsopslag på en måde, der henvender sig til begge køn, og som er rettet mod den type undervisere og forskere, der ønskes ansat.

Som understøttende handling til opnåelse af flere eksterne forskningsmidler har IT-Universitetet i 2020 indgået i dialog med flere store private fonde og virksomheder. Der har været løbende kontakt med fire private fonde og tre private virksomheder. De forskningsprojekter og samarbejder, der er under etablering, vil blive videreudviklet i 2021.

#### **5.4 Ændringer**

Der har ikke været væsentlige ændringer.

#### **5.5 Dokumentation for udvikling i de fastsatte indikatorer**

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**Udvikling i de fastsatte indikatorer**

	<b>Baseline</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
<b>Styrkede forskningsmiljøer inden for digitalisering</b>					
Etablering af et kompetencecenter for offentlige it-projekter og udbud i dette center af forskningsbaserede korte kurser for offentlige ledere, som kan hjælpe disse med at varetage deres rolle i digitaliseringsprojekter i det offentlige.	Fastlagt i 2018	Se note 1)	Se note 3)	Se note 5)	
<b>Styrkede forskningsmiljøer inden for informationssikkerhed</b>					
Antal VIP (Videnskabelig Personale) på adjunkt-niveau eller højere inden for området Informationssikkerhed	3	5	8	8	
	Se note 2)		Se note 4)		
<b>Styrkede forskningsmiljøer inden for data science</b>					
Antal VIP på adjunkt-niveau eller højere inden for området data science	5	8	9	10	
	Se note 2)				

*Note 1): Der er i 2018 i samarbejde med Digitaliseringsstyrelsen etableret et Forskningscenter for Offentlig IT. Der er i 2018 udarbejdede udkast til konceptelementer for undervisning af styregruppemedlemmer i offentlige it-projekter.*

*Note 2): Det fremgår af den Strategiske Rammekontrakt, at IT-Universitetet havde fem VIP i 2017 inden for informationssikkerhed og tre inden for data science. Ifølge IT-Universitetet er det korrekte antal tre VIP inden for informationssikkerhed og fem inden for data science.*

*Note 3): Forskningscenter for Offentlig IT er i løbet af 2019 fuldt etableret og alle planlagte områder bemandede.*

*Note 4): I Statusredegørelsen for 2019 stod der fejlagtigt 10, hvor det rigtige antal var otte.*

*Note 5): Der er i 2020 taget initiativer til øget eksternt samarbejde.*

## 6.1 Strategisk mål 6

### Samarbejde og udveksling af viden med fokus på styrkelse af it-fag i folkeskolen og gymnasiet

IT-Universitetet vil i kontraktperioden undervise gymnasielærere og levere fagligt input til styrkelse af it-fag i folkeskolen og gymnasiet.

## 6.2 Institutionens vurdering af det strategiske mål

På den korte bane er der i dette mål sket en tilbagegang på de to indikatorer i forhold til baseline, idet IT-Universitetet ikke har efteruddannet nogen gymnasielærere i 2020. På den lange bane er der til gengæld sket fremgang, idet IT-Universitetet har indgået en samarbejdsaftale om gennemførelsen af masteruddannelsen i Informatikundervisning, der er rettet mod gymnasielærere. Desuden har IT-Universitetet i 2020 oprettet et målrettet forskningscenter, Center for Computing Education Research, til understøttelse af it-undervisningen for alle uddannelsessektorer fra grundskoler til universiteter. Samlet set vurderer IT-Universitetet derfor, at der i dette mål i 2020 er sket en markant fremgang, der giver helt nye muligheder i de kommende år.

Masteruddannelsen i Informatikundervisning, som er forankret på Aarhus Universitet, er specifikt rettet mod efter- og videreuddannelse med henblik på undervisning i gymnasiet. IT-Universitetets deltagelse i samarbejdet om uddannelsen afløser de tidligere års mindre omfattende og organisatorisk løser forankrede tiltag på dette område. IT-Universitetet bidrager til den nye masteruddannelse og dens forudsætningskurser startende med et adgangskursus, der skal afholdes i efteråret 2021.

For at opnå en generel styrkelse af forskning og udvikling af it-undervisningen, opbyggede IT-Universitetet i 2020 Center for Computing Education Research. Centret har selvstændig ledelse og forskere, og centret blev indviet i efteråret 2020. Centret skal arbejde med undervisning i it og datalogi på universitets-, gymnasie- og folkeskoleniveau, og helt bredt også med undervisning i it og datalogi for målgrupper, der ikke skal være it-professionelle, softwareudviklere mv.

IT-Universitetets er aktiv partner i samarbejdet mellem professionshøjskoler og universiteter om kapacitetsopbygning i forhold til faget teknologiforståelse i folkeskolen.

## 6.3 Væsentlige understøttende aktiviteter

De væsentligste understøttende aktiviteter i forhold til at nå målet om styrkelse af it-fag i folkeskolen og gymnasiet er:

- Der har på trods af COVID-19 været holdt en række møder og forhandlinger om samarbejdsaftalen om masteruddannelsen i Informatikundervisning. Det har resulteret i, at IT-Universitetet har indgået en samarbejdsaftale med fem andre universiteter, herunder at IT-Universitetet er repræsenteret med institutledere i både masteruddannelsens bestyrelse og styregruppe.
- IT-Universitetet har i 2020 oprettet Center for Computing Education Research blandt andet som understøttende aktivitet for dette strategiske mål. Centret er oprettet for at opnå en styrkelse af forskning og udvikling af it-undervisningen i

uddannelsessektoren, herunder såvel på IT-Universitetet som på andre uddannelsesinstitutioner.

- Som understøttende aktivitet har IT-Universitetet i 2020 igangsat udviklingen af en strategi for 'Informatics for all'. Strategien forventes at blive parat i starten af 2021 og skal ses i sammenhæng med det langsigtede arbejde inden for uddannelsesområdet og dermed for IT-Universitetets aktiviteter inden for dette område.

#### 6.4 Ændringer

På grund af oprettelsen af den nye masteruddannelse i Informatikundervisning var der ikke behov for, at IT-Universitetet underviste på det hidtidige efterårskursus for gymnasielærere i 2020. Gymnasielærerkurset, som er angivet i indikatorerne nedenfor, har derfor ikke været afholdt i 2020. I forbindelse med den nye samarbejdsaftale med It-vest udbydes adgangskurset næste gang i efteråret 2021.

#### 6.5 Dokumentation for udvikling i de fastsatte indikatorer

##### Udvikling i de fastsatte indikatorer

	Baseline	2018	2019	2020	2021
<b>Efteruddannelse af gymnasielærere</b>					
Antal gymnasielærere pr. år, som IT-Universitetet efteruddanner, med henblik på at de skal undervise i faget informatik	Fastlagt i 2018	42	24+6	0	Se note 2)
Gymnasielærernes evaluering af den undervisning, IT-Universitetet giver dem.	Fastlægges i 2019		5,16 Se note 1)	-	Se note 2)

Note 1) Der er ultimo 2019 indkommet 10 kursusevalueringer fra de 24 deltagere.

Note 2) Der bliver ikke gennemført kurser for gymnasielærere i 2020, som nærmere beskrevet ovenfor.

## Enclosure 4

### Follow-up on Strategic Framework Contract Targets for 2020

The report stated in the chart below represents the results after the fourth quarter 2020 as of 31 December 2020.



#### Signature:











The target is achieved in 2020.






The target has not been achieved in 2020.






Target	Description	Comments	Status
T1	The IT University obtains additional basic funding for increasing the number of admitted students in 2020.	In 2020, the IT University has not obtained additional basic funding for continuous increase of the admission of students. A minor additional COVID-19 funding for increasing the number of admitted students in 2020 is obtained.	
T2	The IT University admits at least 240 students in total on the Study Programme BSc in Software Development and the Study Programme BSc in Data Science in 2020.	The IT University admits 283 students in total on the Study Programme BSc in Software Development and the Study Programme BSc in Data Science in 2020. 195 students are admitted on the Study Programme BSc in Software Development and 88 students on the Study Programme BSc in Data Science.	






T3	The IT University admits at least 111 students on the Study Programme MSc in Computer Science in 2020.	<p>The IT University admits 87 students on the Study Programme MSc in Computer Science in 2020.</p> <p>Based on the number and quality of applications, it was decided to admit less students on the Study Programme MSc in Computer Science than originally planned in 2020 and to admit more students than planned on the Study Programme MSc in Software Design.</p> <p>The target is not achieved in 2020.</p>	
T4	In 2020, the dropout rate after the first year of study is at most 20 per cent among students admitted in 2019 on each of the study programmes BSc in Software Development and BSc in Data Science.	<p>In 2020, the dropout rate after the first year of study among students admitted in 2019 on the Study Programme BSc in Software Development is 9 per cent and on the Study Programme BSc in Data Science it is 12 per cent.</p> <p>The target is achieved in 2020.</p>	
T5	In 2020, the IT University admits at least 21 per cent female students in total on the Study Programme BSc in Software Development and the Study Programme BSc in Data Science.	<p>The IT University admits 71 female students in total on the Study Programme BSc in Software Development and the Study Programme BSc in Data Science. Based on the total number of 283 admitted students on the two study programmes, cf. target T2, the IT University has admitted 25 per cent female students in total on the two study programmes in 2020.</p> <p>The target is achieved in 2020.</p>	





T6	In 2020, the dropout rate after the first year of study is at most 20 per cent among female students admitted in 2019 on each of the study programmes BSc in Software Development and BSc in Data Science.	In 2020, the dropout rate among female students admitted in 2019 on the Study Programme BSc in Software Development is 4 per cent and on the Study Programme BSc in Data Science it is 20 per cent.  The target is achieved in 2020.	
T7	The IT University's total VIP / DVIP ratio is at least 3.0 and no study programme has a VIP / DVIP ratio of less than 2.4 in 2020.	In 2020, the IT University's total VIP / DVIP ratio is 4.8, and each study programme has a VIP / DVIP ratio of 2.9 and above.  The target is achieved in 2020.	
T8	The IT University implements new ways of learning on four courses during 2020. This is done by widening the use of blended learning and continuing the development of the IT University's definition of blended learning and co-creation development models.	The IT University cancels this target since the COVID-19 situation hindered the fulfilment of the target because resources were spent on using digital technology, like Zoom and Teams on all courses offered during Spring 2020. The use of digital technology has been evaluated and the positive results will be utilized in the future development of blended learning.	
T9	In 2020, the average score in UddannelsesZoom for the question "The quality of my education is overall high" is at least 4.0 on a scale from 1 to 5.	In 2020, the average score for the question "The quality of my education is overall high" is 4.3 in UddannelsesZoom.  The target is achieved in 2020.	
T10	In 2020, the IT University develops a model for continuous pedagogic/didactic competence development for permanently employed scientific staff (VIP).	It will not be possible to finalise the description of teaching competences for recruitment and continuous pedagogic/didactic competences development, and getting it approved by the Executive Management in 2020.  The target is not achieved in 2020.	




T11	In 2020, the average score in UddannelsesZoom for the question "My learning outcomes are high" is at least 4.0 on a scale from 1 to 5.	In 2020, the average score for the question "My learning outcomes are high" is 4.0 in UddannelsesZoom.  The target is achieved in 2020.	
T12	In 2020, for each of the MSc study programmes at the IT University the average of graduate unemployment, measured fourth to seventh quarter after the graduation of MSc students graduated from the IT University in 2017, is less than or equal to the average of MSc unemployment measured fourth to seventh quarter after the graduation of all MSc students from a shared Danish MSc programme.	In 2020, the average of unemployment, measured fourth to seventh quarter after graduation is in the range 3.4 to 7.7 per cent for the MSc graduates from the four MSc Study Programmes at the IT University in 2017. This is less than the average of MSc unemployment of 11.3 per cent measured fourth to seventh quarter after the graduation for all MSc students from a shared Danish MSc programme.  The target is achieved in 2020.	
T12-I	In 2020, the weighted rolling average of graduate unemployment measured fourth to seventh quarter after the graduation of MSc students graduated from the IT University in 2015, 2016 and 2017 is less than or equal to the weighted rolling average of MSc unemployment measured fourth to seventh quarter after the graduation of all MSc students from a shared Danish MSc programme.	In 2020, the weighted rolling average of graduate unemployment measured fourth to seventh quarter after the graduation of MSc students graduated from the IT University in 2015, 2016 and 2017 is 8.6 per cent. The weighted rolling average of MSc unemployment measured fourth to seventh quarter after the graduation of all MSc students from a shared Danish MSc programme is 11.1 per cent.  The target is achieved in 2020.	



T13	In 2020, the average score in UddannelsesZoom for the question "My education has prepared me for my current or most recent job" is at least 4.0 on a scale from 1 to 5.	In 2020, the average score for the question "My education has prepared me for my current or most recent job" is 4.1 in UddannelsesZoom.  The target is achieved in 2020.	
T14	In 2020, the IT University implements a revised annual cycle and a report form for each employers' panels.	The revised Terms of Reference, including the revised annual cycle and report form for employers' panels have been in use from the start of 2020.  The target is achieved in 2020.	
T15	In 2020, the IT University will homogenize all employment tickets and implements the new concept in 2020.	Homogenising employment tickets was begun in Spring 2020, but due to the COVID-19 situation the work has not been finished. The employment tickets have been discussed at the Executive-Level Employers' Panel in Fall 2020, but a homogenisation of the employment tickets has not been achieved in 2020.	
T15-I	In each of the years during the term of the Strategic Framework Contract and for any IT University study programme, an employment ticket has been approved by the relevant Programme-Specific Employers' Panel.	All employment tickets are approved by employers' panels at their meetings in January and February 2020.  The target is achieved in 2020.	
T16	The IT University establishes a systematic dialogue with at least three relevant private funds in 2020.	In 2020, the IT University has been in systematic dialogue with four private foundations about the possibility of an Artificial Intelligence Pioneer Center in Copenhagen.  The target is achieved in 2020.	

T17	The Research Centre for Government IT has made a proposal for an education program to be offered to executives and project owners from the government sector.	In 2020, the Research Centre for Government IT has not completed a proposal for offering executive-level courses to executives and project owners from the government sector.  The target is not achieved in 2020.	
T18	In 2020, the number of scientific staff in the field of information security remains at least at the same level as in 2019.	The number of scientific faculty in the field of information security remains eight in 2020, namely one professor, four Associate Professors and three Assistant Professors.  The target is achieved in 2020.	
T19	In 2020, the number of scientific staff in the field of data science remains at least at the same level as in 2019.	The number of scientific staff in the field of data science is increasing in 2020. One new scientific staff in data science joined the field of data science in June 2020.  The target is achieved in 2020.	
T20	In 2020, the IT University establishes a systematic dialogue with at least two major Danish companies with at least 250 employees.	In 2020, the IT University has been in a systematic dialog with three larger companies. A strategic collaboration agreement has been entered with one of the companies and negotiations are still undergoing with another of the companies.  The target is achieved in 2020.	
T21	The IT University enters into a collaboration agreement with one or more companies in 2020, leading to at least three research and development activities.	It has been decided by Executive Management to postpone the target until 2021.  The target is not achieved in 2020.	

T22	For research centers at the IT University, a new Governance Model will be formulated in 2020 that relates to vision, strategy, targets, steering committee, international advisory board, action plan and evaluation cycle.	The new Governance Model has been approved by Forskningsforum at the IT University.  The target is achieved in 2020.	
T23	The IT University implements the new Governance Model for all existing research centers in 2020.	It has been decided by Executive Management that the implementation of the Governance Model will not be pursued in 2020.  The target is not achieved in 2020.	
T24	The IT University develops in 2020 an "Informatics for All" Strategy through an internal process.	The elements of the strategy have been through several iterations with the working group.  Although the development process is far, the finalising of the "Informatics for All" Strategy has been postponed to first quarter 2021.  The target is not achieved in 2020.	
T25	In 2020, the IT University establishes the "Center for Computing Education Research" with its own Steering Committee and International Advisory Board, including an Action Plan that contains among other things expectations towards attracting external research funding.	The Center for Computing Education Research has been established and the official kick-off event took place on 5 November 2020. The center is organized with a Head of Center, a Steering Committee and an International Advisory Board. The Action Plan for 2021, approved by the Steering Committee contains plans for attracting further external funding.  The target is achieved in 2020.	

T26	In 2020, the IT University enters into a collaboration agreement on Master's Programmes (Professional Education) with It-vest.	During 2020, collaboration between the IT University and It-vest has been discussed and a collaboration agreement has been approved in December 2020 concerning the Study Programme Master of IT.  The target is achieved in 2020.	
T27	The IT University will offer at least one course in Copenhagen in 2020 under the auspices of It-vest, including course evaluation based on the IT University's model. The course in Copenhagen could e.g. be for high school teachers, where the IT University in 2020 must participate in the continuing education of at least 30 high school teachers, where the average score of the course evaluation must be at least 4.75.	The IT University will not offer courses for high school teachers in cooperation with It-vest in 2020.  The target is not achieved in 2020.	
T27-I	In 2020, the IT University will teach at least 30 high school teachers who are to teach Informatics in High School. The high school teachers course evaluations of the teaching provided by the IT University have an average score of at least 4.75.	The IT University will not offer courses for high school teachers in cooperation with It-vest in 2020.  The target is not achieved in 2020, cf. target T27.	

## Enclosure 7 ITU Student Admission Budget 2021

### BSc Admission Budget 2021

BSc Programme	Admitted 2019 (1 Oct data)	Admitted 2020 (1 Oct data)	Admission Budget 2021
BSc Software Development	162	195	160
BSc Digital Design & Interactive Technologies	62	55	59
BSc Global Business Informatics	72	95	97
BSc Data Science	68	88	80
<b>Total</b>	364	433	396

#### Comments

The original budget for BSc admission 2021 was to admit **140 students in BSc Software Development** and **100 students in BSc Data Science**. It has been decided to move 20 places from BSc Data Science to BSc Software Development. The reason is that ITU needs to ensure more bachelor graduates from BSc Software Development to succeed with the planned growth of MSc Computer Science. In past years, ITU has had more qualified applicants for BSc Software Development than for BSc Data Science and has moved places in July each year. The decision now to make the change earlier in the year will ensure a better allocation of resources (teachers, teaching assistants, rooms) in due time.

### MSc Admission Budget 2021

MSc Programme	Admitted 2019 (1 Oct data)	Admitted 2020 (1 Oct data)	Admission Budget 2021
MSc Digital Innovation & Management	129	128	130
MSc Digital Design & Interactive Technologies	139	133	115
MSc Software Design	107	145	120
MSc Computer Science	80	87	102
MSc Games	52	43	50
MSc Data Science	-	-	30
<b>Total</b>	507	536	547

#### Comments

In September 2020 the Board decided to approve the recommendation from Executive Management to open the MSc in Data Science in 2021 with an initial admission of 30 students from 2021 to secure all our BSc students a relevant MSc programme and meet the society's need for specialists in Data Science. The Board gave the Executive Management the mandate to decide how to reduce capacity on existing MSc programmes correspondingly if base funding was not secured. **Executive Management has decided to fund the 30 places at MSc in Data Science by taking 15 places from MSc in Computer Science and 15 places from MSc in Digital Design and Interactive Technologies.** The main criteria informing the choice were the number and quality of the applicants, and the employability of the graduates.

## Enclosure 8

### Briefing to the Board of Directors on Kopernikus project.

#### *Summery:*

*The following note describes ITU's participation in the Kopernikus program community on the replacement of the university's study administrative system.*

*The project, which includes all universities, is currently scheduled to go out to tender this year. The current tender material indicates a high-cost item for all universities both in connection with the implementation of a new system and its further development and operation.*

*Thus, ITU expects that an implementation over 2 years will cost DKK 38 million for ITU and a cost of operation and maintenance will set ITU DKK 7 million back over 9 year.*

#### Background:

Today, STADS and DANS is the basic systems of the digital support for the study administrative area at the universities, as well as the data base for educational reports to the Ministry of Higher Education and Science (UFM) The systems are complemented by central and local systems and integrations. STADS was developed in the early 1990s.

An analysis of STADS has pointed out that the system is very complex and contains redundant business processes and has built up a large technological debt. Therefore, it is expensive to maintain, further develop and require extensive testing before new deliveries can be used. In addition, the system does not adequately support student needs when interacting with universities digitally.

Against this background, it was decided in 2017 that STADS should be phased out as soon as possible and a future IT support for the university's study administrative area should be found. The UFM decided to continue the premise (which is legislatively set out in an act, see below) that all universities should use the same study administrative system. UFM is the system owner and re-invoices all costs of staff, as well as operations, development and maintenance expenses according to a defined allocation key to the universities.

#### Kopernikus- a program community

To this end, the Kopernikus program community was established. Kopernikus is a program community between the country's eight universities and the Ministry of Higher Education and Science (UFM). The program community consolidates itself in a secretariat located in UFM, where the program manager, IT architects and project managers are located. These refer to a steering committee consisting of representatives from the universities (directors) and UFM with the UFM Deputy Director as steering committee chairman. The secretariat draws knowledge from delivery steering group, education groups, as well as various professional groups at the universities. Each university has established its own project organization around the project.

## Vision for the project<sup>1</sup>

Kopernikus, using better IT support and optimized processes, must develop quality and streamline the study administrative area. Kopernikus aims to put the student's needs at the heart of the administration process and ensure increased use of self-service solutions, common overall processes across universities and automation of workflows.

## Where is the project right now?

The project is in the latter part of the analysis phase, where tender documents are prepared. A major analysis of system strategy is currently under way. Tenders are expected in 2021. However, the following are in place and have an impact on ITU's planning and finances.

## Governance in the implementation and operational phase

The contract model is based on a main contract owned in the Kopernikus community and an additional contract owned by each university.

The main contract will cover both system vendor and implementation partner(s), and will include national configurations, customizations and integrations, maintenance, and update deliveries.

The additional contracts will allow each university to enter with additional implementation partners for configuration, training, testing, etc.

This construction means that each university is responsible for its own implementation of the supplementary contract. Each university is responsible for establishing integrations for its own systems, as well as its own organizational implementation. Main contract implementation is done in cooperation with the program.

From the program community, a governance on a master time and roll-out plan has been initiated, which will be included in the tender documents.

UFM performs the role of system owner for Kopernikus within the framework set by Act 100. This means that the Ministry is responsible for the "operation, maintenance, further development, etc. of the study-administrative subject IT systems for higher education institutions" (Act 100 and Finance Act § 19.11.07).

## Background ITU and the project.

ITU has established a Kopernikus project with a project manager and a steering group consisting of university director, Head of IT and Head of Student Affairs & Program. ITU is represented in the delivery group by Head of IT. The ITU is in dialogue with the program through the project manager about consultation on tender documents and system strategy. Here, the project gathers information from primarily the study administration and the IT department. It has been decided that the ITU awaits a final tender, system strategy and timetable, as well as the choice of supplier before preparing a final project description for the ITU. However, it has been decided in the steering committee that ITU wants to replace STADS with the new system in a one to one

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<sup>1</sup> Revised 2019

replacement and subsequently look at possible phasing out of existing systems whose functionality can be taken over by the new system.

## Kopernikus costs at ITU

### Implementation costs

The ITU has been asked by the program to draw up an estimate for the implementation of a new study administrative system at the ITU.

Main conclusions:

- Expected Implementing period of 2 1/2 years from the choice of supplier is in place.
- This includes organizational implementation, technical and organizational phasing-out of systems, including the restoration of our own integrations.

Furthermore, a one-time license acquisition plus further development for the new system is expected.

### Operational costs

It is expected that ITU will continue to pay its share for the operation of STADS and DANS until all universities have been transferred to the new system. (2021-2026)

It is expected that the ITU will pay for operation, support and maintenance on the new system annually. The expense is expected to be activated by the ITU's approval of the final test. (2025-2032)

(ITU share of total price<sup>2</sup>)

Acquisition of new solution (development)	3.000.000 DKK
Local implementation at ITU (2025-2027)	35.000.000 DKK <sup>3</sup>
Operation and phasing out of STADS/DANS (2021-26)	2.500.000 DKK
Operation, maintenance, and further development of new system (2025-2032)	4.500.000 DKK
Total	<u>45.000.000 DKK</u>

<sup>2</sup> Total cost estimated 2021 by Kopernikus program. ITU share is 1.25 % of total cost.

<sup>3</sup> Inkl. internal hours estimatet at 3.5 mio. Dkk.



# Enclosure 9

## Executive-Level Employers' Panel Report 2021

The report covers all BSc, MSc, and Master study programmes at ITU

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### Purpose and process

The purpose of the report is to document the views and recommendations of the panel regarding the quality and relevance of ITU's study programmes.

The report is used by ITU's Board of Directors as part of their basis for decisions. It is also used by management at ITU for quality assurance purposes and as input to the Education Group's annual Education Portfolio Report.

The panel completes the report, based on the most recent reports of the Programme-Specific Employers' Panels. The chairperson signs the report after due process in the panel and submits the report to ITU via the administrative officer associated with the panel.

The document is public information.

### Context

At ITU, a study programme is said to be *ideal*, if

- 1) it attracts a large number of well-qualified students; and
- 2) the academic contents and teaching meet the highest international standards; and
- 3) it gives the students the competences needed for the future job market.

Elaborating on 3), every student should acquire an “employment ticket” during their time at ITU, i.e., they should learn something which is difficult and in demand in the labour market.

### Quality Standards

ITU's Quality Policy operates with the main quality areas:

- 1) Recruitment and Admission of Students
- 2) Teaching and Learning Activities
- 3) Graduates' Careers

### Admission Budget 2020

Study programme	2019	2020
BSc DDIT	59	59
BSc DS	67	90
BSc GBI	60	98
BSc SWU	156	206
MSc CS	96	103
MSc DDIT	134	130
MSc DIM	130	130
MSc Games	50	50
MSc SD	95	117
Master ILM	40	40
Total (MSc + BSc)	847	983
<b>Total</b>	<b>887</b>	<b>1023</b>

From student intake 2018, MSc SDT was split into two separate programmes: Computer Science (CS) and Software Design (SD). Hence, a few Primary Quality Data 2020 include SDT students/cover SDT graduates (completion rate, average graduate delay, number of graduates and unemployment).

From student intake 2018, BSc DMD and MSc DDK were redesigned and renamed BSc DDIT and MSc DDIT (Digital Design and Interactive Technologies). Hence, some Primary Quality Data 2020 include DMD and DDK students/cover DMD and DDK graduates (completion rate, average graduate delay, number of graduates and unemployment).

### Date and signature

Date: 12/3-2021

Chair of Executive-Level Employers' Panel (signed): **Tine Thorn**



## Overall Match with Current Needs

Based on the reports from the Programme-Specific Employers' Panels and your own impressions of ITU's portfolio of study programmes, how would you describe the overall match between current needs for competences on the Danish job market and the portfolio?

The Executive-Level Employers' Panel find that there is a good match between the current portfolio of study programmes of ITU and the Danish labour market. The unemployment rate of most ITU study programmes are below the average and many candidates are employed at or soon after graduation.

The Panel is pleased with the increase in students admitted to ITU and is convinced that even more candidates from ITU would be welcomed by the Danish labour market.

What changes to the balance in the portfolio, if any, would you recommend in order to optimize the match?

The Panel has no specific recommendations on adjustments to the portfolio of ITU study programmes. The unemployment rates look promising across the portfolio and hopefully it will be possible to admit even more students to ITU in the future as the Danish labour market can easily absorb more graduates.

What are the most important current needs (max. three) not covered by ITU's portfolio of study programmes?

The Panel finds that the current portfolio of study programmes covers the demand from the Danish labour market very well.

The Panel is happy with the effort that ITU has put into creating more diversity among the students. Due to the focused effort put into attracting more female students the gender diversity has improved well during the last few years. The Panel would like to encourage ITU to continue activities to improve diversity regarding both gender as well as other underrepresented groups among the students at ITU. Furthermore, the Panel find the current Danish language requirement for admittance to some of the study programmes to be limiting. The panel hopes that it will be possible to admit international students to all study programmes in the future to optimize the match to the labour market.

## Overall Match with Needs in 3-5 years' time

It takes some years before pervasive changes to a study programme are reflected in the competences of the graduates. Looking 3 to 5 years ahead, what current trends do you think are likely to give a substantially different pattern of competence needs from the one that exists today?

The Panel does not find that there will be a need for a substantially different pattern of competences at ITU within the next 3-5 years.

The Panel believes that data science and AI will probably be some of the key drivers of future growth of companies. Furthermore, the Panel thinks that the demand for highly qualified IT specialists with complex problem-solving skills will grow in the future.

What competences do you think will be less in demand 3 to 5 years from now?

The Panel does not predict a decline in the competences currently acquired at ITU.

What competences do you think will be more in demand 3 to 5 years from now?

The Panel expects that the demand for candidates with technical oriented competences will grow in the future. Furthermore, the Panel expects that the demand for candidates with data science, AI and IT security competences will increase in the future and hence more focus should preferably be put into this.

Do you have concerns relating to the quality of portfolio of study programmes?

(If yes: please elaborate)

No.

Does ITU follow up on the recommendations made by the Employers' Panels?

Based on your reading of the reports of the Programme-Specific Employers' Panels and your own experience with ITU, does the university follow up on recommendations given by the Employers' Panels?

Yes, all programme specific Employer's Panels expresses satisfaction with the way that ITU follow up on their feedback and recommendations.

Summative analysis of ITU's Portfolio of Study Programmes

If the opportunity to increase the number of students at ITU arises, the Panel is convinced that it would be warmly welcomed by the Danish labour market (in recognition that this is not an ITU decision alone).

The Panel recommends that ITU continue the dedicated efforts put into creating more diversity among the students. In the light of the Covid-19 pandemic, the Panel recommends that ITU also focuses on initiatives to ensure students' wellbeing and try to find some ways to open campus so that students may find a safe way to meet in person (in recognition that this is not an ITU decision alone).

Recommendations

Based on the increasing demand for qualified IT graduates and the relatively low unemployment rates of ITU-graduates the Executive-Level Panel would support an increase of students admitted to ITU. Study programmes with the lowest unemployment rates should get an increase of students admitted first.

## Primary Quality Data – introduction

ITU uses several key performance indicators. We call them Primary Quality Data (PQD). PQD relate to our definition of an ideal study programme (see above). In our Quality Policy – the backbone of our Quality Assurance System – PQD are grouped under three headlines:

1. recruitment and admission of students
2. teaching and learning
3. relevance and employability

The Employers' Panels receive relevant Primary Quality Data once a year as part of the information for their annual report. The panels receive data from the last three consecutive years. That way, emerging trends can be identified and developments followed.

Data include figures on:

- **Applicants:** How many applied to the study programme, how many were offered admission and how many of those accepted admission and are still enrolled by 1 October (official statistics on admission use 1 October as the cut-off date).
- **Dropout:** How many students dropped out during the first academic year (first-year dropout is counted from 1 October in the admission year to 30 September the following calendar year)?
- **VIP/DVIP ratio:** What is the ratio between teachers from ITU and external teachers? The ratio is one aspect of securing research-based teaching.
- **Evaluations:** Students evaluate their courses every semester. Results are used by teachers and management to further develop course quality and improve learning outcomes.
- **Graduates:** How many students graduated from the study programme?
- **Completion:** How many students completed the study programme within scheduled time + 1 year?
- **Delay:** How much longer than scheduled time did students who graduated in year x on average take to finish their studies? Delay and changes in delay can be influenced by e.g. the study programme's structure. The political level has a strong focus on reducing delay.
- **Unemployment:** What is the unemployment rate? Our graduates' employment situation is relevant to how we develop the study programmes. Also, the political level has a strong focus on unemployment.

## Primary Quality data 2020

Level	BSc					MSc					Master	ITU total
	DDIT	DS	GBI	SWU	CS	DDIT	DIM	Gamm es	SD	ILM		
Number of applicants (BSc: All applicants, MSc: only 1 <sup>st</sup> priority)	328	521	348	610	248	179	256	134	378	59	3061	
Number of applicants offered admission	64	111	108	223	150	156	175	65	181	44	1277	
Number of students admitted after early dropout	55	88	95	196	87	133	128	43	145	41	1011	
Dropout after one year (%)	4.8	11.8	12.5	9.2	2.5	5	3.1	0	10.3		6.5	
VIP/DVIP ratio	2.9	8.4	3.0	3.0	10.0	5.4	5.3	15.4	10.5	3.8	4.9	
Average score, course evaluation (6 is max)	4.34	4.37	4.45	4.53	4.50	4.42	4.70	4.76	4.50	5.13	4.46	
Average score, supervision evaluation (6 is max)*	5.21	5.52	4.97	4.54	5.55	4.85	5.23	5.22	4.82	5.13	5.07	
Completion rate within schedule plus one year (%)	62.5		77.3	62.9		89.7	85.6	83.6	74.4***		77	
Average graduate delay, compared to curriculum schedule (months)	0.2	0.6	0.5	1.6	0.2	3.4	2.2	3.3	4.6		3.7	
Number of graduates	55	22	52	98	54	147	141	36	76	21	711	
Unemployment rate 4-7 quarters after graduation (%) (max 11.3%)**					4.2***	7.4	3.4	7.7	4.2***		5.6	
Rolling, weighted average unemployment rate 4-7 months after graduation (%)**					3.2***	12.1	6.2	12	3.2***		8.6	

\*In 2020, the Thesis and Project evaluation was replaced by a Supervision Evaluation.

\*\*The latest available unemployment rate (4-7 quarters after graduation) cover graduates from 2017.

\*\*\*The number cover graduates from former SDT (before the split into CS and SD)

## Primary Quality data 2019

Level Programme	BSc					MSc					Master		ITU total
	DDIT	DS	GBI	SWU	CS	DDIT	DIM	Gam es	SD	ILM			
Number of applicants (BSc: All applicants, MSc: only 1 <sup>st</sup> priority)	336	312	377	552	224	176	240	132	358	79			2786
Number of applicants offered admission	67	79	80	176	140	158	178	64	143	45			1130
Number of students admitted after early dropout	62	68	72	163	80	139	129	52	107	42			956
Dropout after one year (%)	8.5	15.6	11.6	16.8	4.4	3.6	8.8	2.0	5.1				8.5
VIP/DVIP ratio	1.4	6.8	5.1	9.7	13.6	7.8	3.9	7.4	16.4	31.3			5.9
Average score, course evaluation, Spring (6 is max)*	4.58	4.69	4.6	4.77	4.74	4.95	4.93	4.37	4.78	4.97			4.75
Average score, course evaluation, Autumn (6 is max)*	4.68	4.35	4.42	4.65	4.63	4.09	4.45	4.84	4.37	5.02			4.42
Average score, programme evaluation (6 is max)**	4.8		4.52	5.08		4.89	4.6	5.07	5.04	5.07			4.91
Average score, thesis and project evaluation (6 is max)**	4.34		4.96	4.77	5.56	5.17	5.04	5.27	4.97	5.17			5.0
Completion rate within schedule plus one year (%)	78.3		77.2	56.2	71.0	86.0	85.1	77.6	71.0				76.9
Average graduate delay, compared to curriculum schedule (months)	2.0		0.7	0.8	2.3	2.3	1.9	1.6	2.3				3.2
Number of graduates	45		53	71	102	126	110	53	102	28			625
Unemployment rate 4-7 quarters after graduation (%)					4.2	7.4	3.4	7.6	4.2				5.6
Rolling, weighted average unemployment rate 4-7 months after graduation (%)					3.2	12.1	6.2	12	3.2				8.6

\* ITU implemented a revised course evaluation system in autumn 2019. The surveys used in spring and autumn respectively, differ in both wording and number of questions. Hence, scores cannot be compared.

\*\*Due to low response rates on several study programmes, scores are not entirely reliable.

## Primary Quality data 2018

Level	BSc					MSc					Master		ITU total
	DDIT	DS	GBI	SWU	CS	DDIT	DIM	Gamm es	SD	ILMI			
Number of applicants (BSc: All applicants, MSc: only 1 <sup>st</sup> priority)	296	446	497	548	200	221	373	123	302	66	3070		
Number of applicants offered admission	66	79	81	161	132	170	218	66	110	42	1083		
Number of students admitted after early dropout	59	64	69	149	91	139	159	49	79	40	898		
Dropout after one year (%)	6.3	16.1	10.4	14.3	6.9	5.5	5.3	6.6	6.9		8.0		
VIP/DVIP ratio	4.0	*	3.7	1.9	*	26.2	7.5	5.1	17.1	10.6	5.5		
Average score, course evaluation (6 is max)	4.61	4.81	4.7	4.79	4.82	4.71	4.56	5.04	4.7	4.96	4.74		
Average score, programme evaluation (6 is max)**	-		3.2	-		4.78	4.55	5.16	5.33	-	4.89		
Average score, thesis and project evaluation (6 is max)**	5.07		5.02	5.37		5.17	5.04	5.3	5.34	-	5.2		
Completion rate within schedule plus one year (%)	75.3		78.8	63.4	65.7	88.2	87.0	84.3	65.7		78.1		
Average delay, compared to curriculum schedule (months)	1.1		0.9	1.3	2.4	3.3	2.6	1.0	2.4		3.7		
Number of graduates	49		48	59	89	112	134	45	89	41	590		
Unemployment rate 4-7 quarters after graduation (%)					3.8	15.1	7.7	15.9	3.8		10.7		
Rolling, weighted average unemployment rate 4-7 months after graduation (%)					4.9	14.4	7.8	18.3	4.9		11.2		

\*100% VIP coverage

\*\*Due to low response rates on several study programmes, scores are not entirely reliable.