

FutureProof Innovation Bootcamp

March 6 - March 25, 2023

4 ONLINE SESSIONS & 1 AMAZING BLOCK WEEK IN STUTT GART, GERMANY



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Enable a sustainable future through co-creating an innovative, AI-driven solution with others.



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WHAT IS THE FUTUREPROOF INNOVATION BOOTCAMP?

The FutureProof Innovation Bootcamp is an international education course which combines sustainability and innovation. Students will have the chance to apply artificial intelligence (AI) based solutions to address real-world problems. Be a part of this bootcamp and help us using latest technology for the better!

Participants in this short term program will put themselves into the shoes of founders of an innovative, AI-based app or service. Initially, the multi-disciplinary founding teams will identify specific problems or challenges they would like to address together. With the help of methods such as ideation and prototyping, the teams will explore potential solutions to their challenges.

Together with co-partners from other countries, they will exchange creative ideas and validate them with early stage prototypes, using latest cloud-based tools and AI services. The teams will also shape a viable business model for their product or service. If you have an interest in AI and an ambition to make use of technology for the better, this is your calling!

The program consists of four online sessions, taking place two weeks ahead of the bootcamp, and the respective bootcamp in presence – one week full of exciting classes and activities in Stuttgart!

Our distinguished lecturers from Belgium, the Netherlands, and Germany will guide all course participants through an intensive study program. As reward, students can earn 5 ECTS.

The learning process is a combination of online tutoring, self study, coaching and practical assignments. The latter allow individuals to develop their own thinking through co-creation with other participants, as well as to improve their own personal development while gathering work experience in international and interdisciplinary teams.

The program is a collaboration between the Hogeschool van Amsterdam (HvA), the Karel de Grote University College Antwerp (KdG), and the Media University Stuttgart (HdM).





“Creativity is intelligence having fun.”

- Albert Einstein

THE PROGRAM IN A NUTSHELL.



THE COURSE

PRE-COURSE

Introductory assignments to be completed before the kick off session.

ONLINE SESSIONS (REMOTE)

The program kicks off with an ideation phase in relation to entrepreneurial innovations. In this context, participants will form multidisciplinary international teams and start their innovation project during the sessions, that will be continued and finalized during the bootcamp week.

The main goal of the respective group projects is to generate ideas and to pitch those at a market for ideas. There will be a focus on a future-proof development of AI services that is connected to bigger goals.

The online sessions will additionally provide theoretical knowledge: master classes about various disciplines involved, such as Machine Learning, AI Ethics, and AI Model Prototyping will be held.

BOOTCAMP WEEK IN STUTTGART (ON SITE)

During the bootcamp block week, all course participants will meet and collaborate in Stuttgart. The week will be full of intense interactions, rich learnings, and social activities.

Students will learn and work together in the inspiring environment of the Stuttgart metropolitan area – a bustling region that is home to numerous global players with innovative and smart products. In regard to the team projects, students will learn how to define and clarify their problem-solution fit in relation to their target audience, how to develop AI prototyping practices to validate their problem-solution analysis, and - finally - how to pitch their ideas with impact.

Who knows, maybe your team is going to develop the next big thing from here!

TIMELINE: MARCH 6 - MARCH 25, 2023

YOUR BOOTCAMP ROADMAP.

4 ONLINE SESSIONS WITHIN 2 WEEKS*

	Pre-Course Mon, Feb 27	Week 1		Week 2	
		Mon, Mar 6 Coaching Monday	Thurs, Mar 9 Tutoring Thursday	Mon, Mar 13 Coaching Monday	Thurs, Mar 16 Tutoring Thursday
TIME (CET)		19:30 - 21:30	19:30 - 21:30	19:30 - 21:30	19:30 - 21:30
CONTENTS	Pre-reads on material provided about current AI capabilities and sustainability goals	Course Introduction Applying AI to a real-world problem - an overview	Group building using „H“-type Machine Learning crash courses Wrap-up & assignments	AI Ethics - an introduction Group break-outs Presentation of results	Building an AI prototype - an introduction Group break-outs Presentation of results

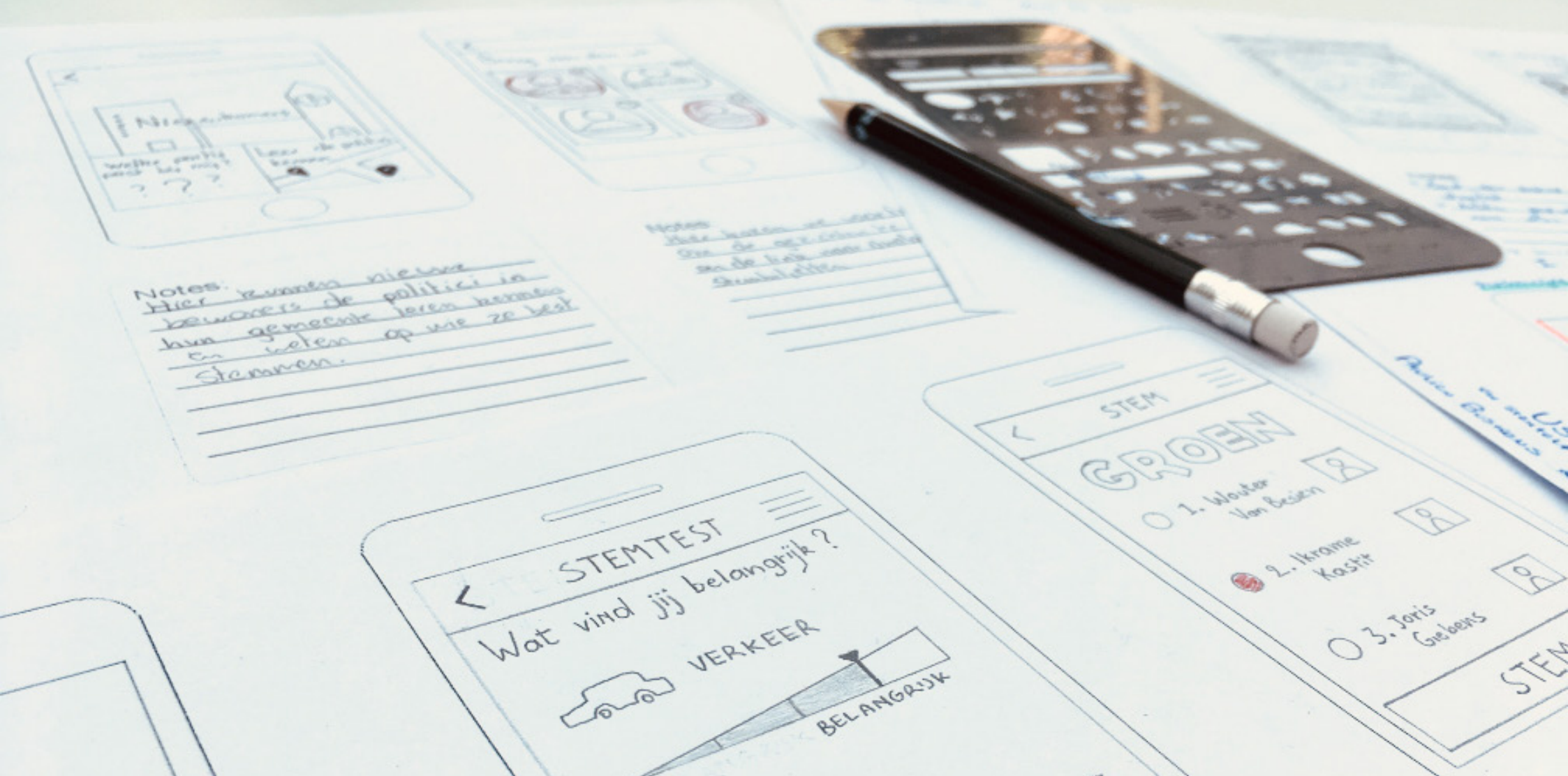
1 BLOCK WEEK IN STUTTGART

Sun, Mar 19	Mon, Mar 20	Tue, Mar 21	Wed, Mar 22	Thu, Mar 23	Fri, Mar 24	Sat, Mar 25
Arrival Hostel check-in starting from 14:00	Full-Day Excursion incl. Lunch Special Activity: „Bus shop“	Campus Tour Prototype Building Part 1 Lunch***	AI Guest Speaker Prototype Building Part 3 Lunch	Perfect Pitch Training Pitch Preparation I Lunch	Final Pitch Preparation Sustainable Shark Tank Lunch	Visit Mercedes-Benz Museum
16:00: City Tour & Ice Breaker		Prototype Building Part 2 AI Masterclass Wrap-up	„Shift.KI“ Exhibition @Kunstmuseum Company visit Dinner & Pub Crawl	Visit HdM Humanoid Android Lab Sustainable Shark Tank Pitch Preparation II	Feedback, reflections, wrap-up Coffee/Cake	Hostel check-out until 11:00 Travel Home

*) Classes are evening sessions in order to enhance international collaborations and online gatherings.

**) Global overview, subject to minor adjustments.

***) Daily lunch will be provided by HdM.



“Inspiration exists, but it has to find you working.”

- Pablo Picasso

ACQUIRE NEW EXPERTISE
& MAKE NEW FRIENDS.

EXPANDING HORIZONS

INTERNATIONAL CONTEXT

The course is designed to provide international networking opportunities for students using online collaboration tools. Building global learning networks will create long term value for those joining the program. The course is organized by partner schools from Germany, the Netherlands, and Belgium. Each of these universities has the chance to nominate students from a variety of major study programs.

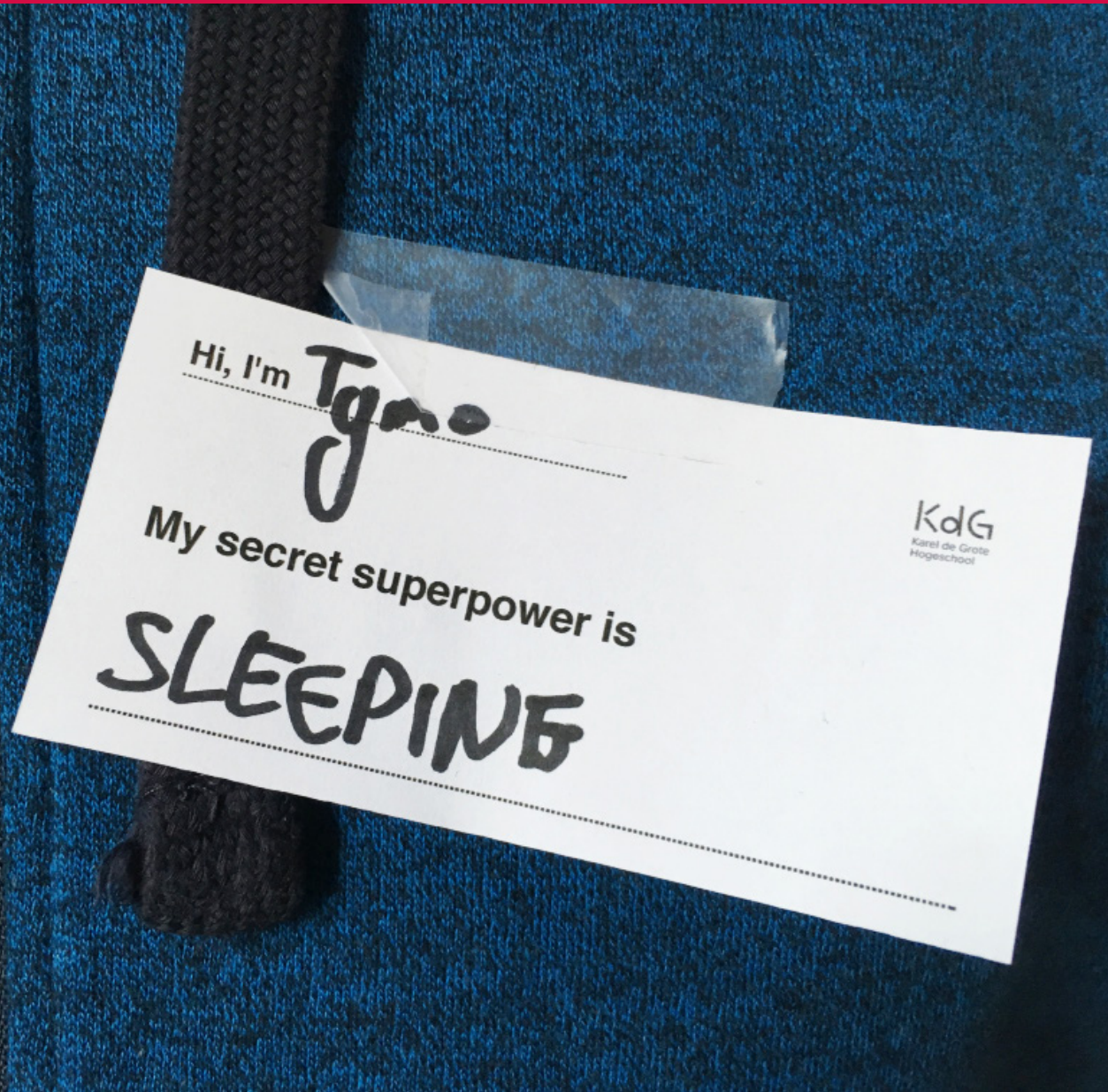
Up to 30 students from different nationalities, educational backgrounds, and expertise will join the FutureProof Innovation Bootcamp. Working together with students from abroad will be a great learning experience for all participants and will prepare them for future work environments in a globalised world.

INTENSE VIRTUAL COLLABORATION

The first two weeks of this course will be held in the form of online classes, enabling students to participate from anywhere. In addition, participants will get a chance to familiarise themselves with state-of-the-art online collaboration tools.

BLOCK WEEK: MAKING INTERNATIONAL FRIENDS

The final week will take place in Stuttgart, Germany and will be hosted by Hochschule der Medien (HdM). This will give students the chance to meet each other in person and collaborate on their solution ideas in a very intense and productive way. The block week will be full of exciting classes and interesting activities.



WHAT ARE THE COSTS? HOW MANY ECTS CAN BE EARNED?



COSTS & ECTS

COSTS

Students from Antwerp and Amsterdam need to cover the costs for their travel and accommodation. However, participants are usually eligible to apply for funds from the EU Erasmus+ program. Please contact your international office for further information on how to receive respective fundings.

We recommend as accommodation the International Student Hotel in Stuttgart, which is centrally located and has affordable rates. All rooms have Wifi and breakfast included. HdM has pre-reserved a number of rooms for participants of this program. These rooms shall be directly booked by the students using a reservation code that will be provided by the respective international coordinators of all participating universities.

In case of any questions regarding the International Student Hotel, please reach out to Aisling Mullahy (mullahy@hdm-stuttgart.de) from the HdM international office.

Hotel website: <https://www.studierendenhotel-stuttgart.de/en>

ECTS

Students can earn 5 ECTS for successful participation in the FutureProof Innovation Bootcamp. Students are required to participate in the four online sessions and the bootcamp program. To take the maximum out of the bootcamp, we ask students to be present and active in online sessions and the block week classes. The use of a webcam for the online classes is mandatory.

WHO IS ELIGIBLE? HOW CAN I ENROLL?



HOW TO SIGN UP

WHO CAN TAKE PART?

The FutureProof Innovation Bootcamp is open to both undergraduate (bachelor) and graduate (master) students from all subject areas. Interdisciplinarity is valuable for the learning goals of this program, so we openly invite students from all different fields of studies, be it technical or non-technical, to participate.

HOW TO APPLY?

HvA students can apply via e-mail by sending a letter of motivation by 13.02.2023 to international.it@hva.nl.

KdG students can apply via the KdG enrollment tool by 15.01.2023.

HdM students can apply by submitting the following online form until 11.12.2022: <https://bit.ly/3EvzfwF>

QUESTIONS?

All relevant information on the program can also be found on the website: <https://www.futureproof-innovation.org/>

In case of any questions, please feel free to reach out to Prof. Dr. David Klotz (klotzd@hdm-stuttgart.de) from HdM Stuttgart who is host coordinator for this bootcamp.