



DAAD University Consulting Programme

Introduction of Distance Learning at the IT Faculty

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History

- 2007 Start of the cooperation between FernUni and KMUTNB
- 2008 Signing a Memorandum of Understanding
- 2009 DAAD Support of Prof. Unger by the Short Term Exchange Programme for University Teachers
- 2009 Summerschool in Hagen
- 2009 - 2012
3 DAAD Matching Fund Scholarships for Thai PhD students
- 2009 - 2011
Support of the mutual project on „*Self-Organisation and Application-Based Management in Decentralized Networks*“ within the DAAD PPP Programme
- 2008 - ...
Support of 14 KMUTNB students for internships at FernUni within the DAAD-IAESTE programme
- 2015 – 2016
Support by DAAD of introducing distance learning at KMUTNB's IT Faculty

Sponsored by

DAAD

Our recent project

- DAAD support for 2015 and 2016
- Approx. 800,000 THB project volume
- 3 scientists from KMUTNB visit FernUni in Hagen for 3 weeks in October 2015
- 4 visits of Prof. Unger for 3 weeks were supported
- 2 licenses of the Camtasia tool could be purchased for KMUTNB

Goals

- Transfer major principles of distance learning, its methodic and didactic aspects to colleagues at KMUTNB
- Explain, estimate, set up and support all what is needed for logistics, infrastructure and feedback
- Apply the knowledge gained in a learning-by-doing manner, i.e. build up a complete distance learning course in the IT-faculty at KMUTNB



What is Interaction Design?

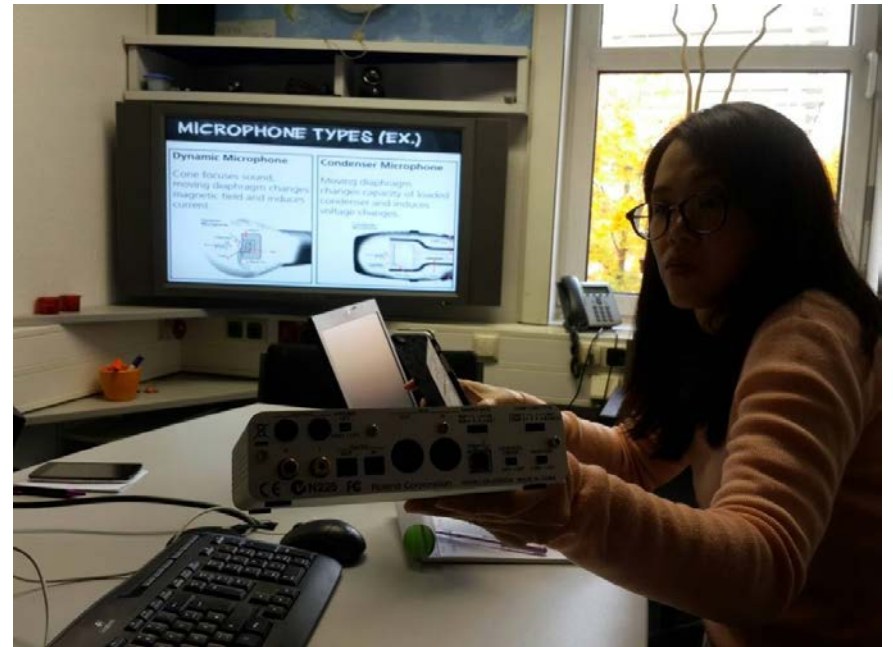
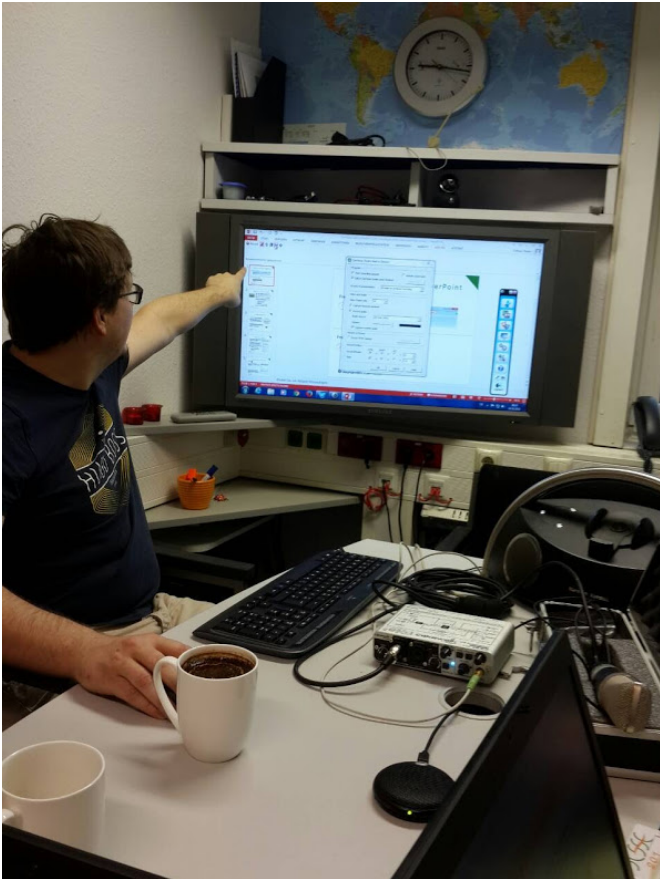
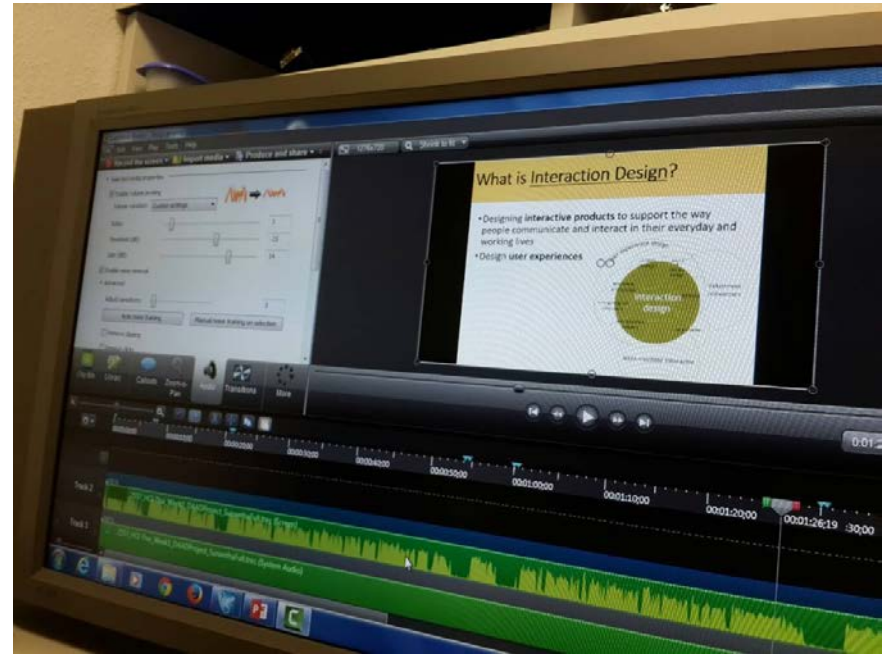
For buildings construction, **architects** concern about people, interactions among people and interactions between people and the building whereas **civil engineers** concern about cost, durability, structural aspects, environmental aspects, fire regulations, and construction methods

Architects

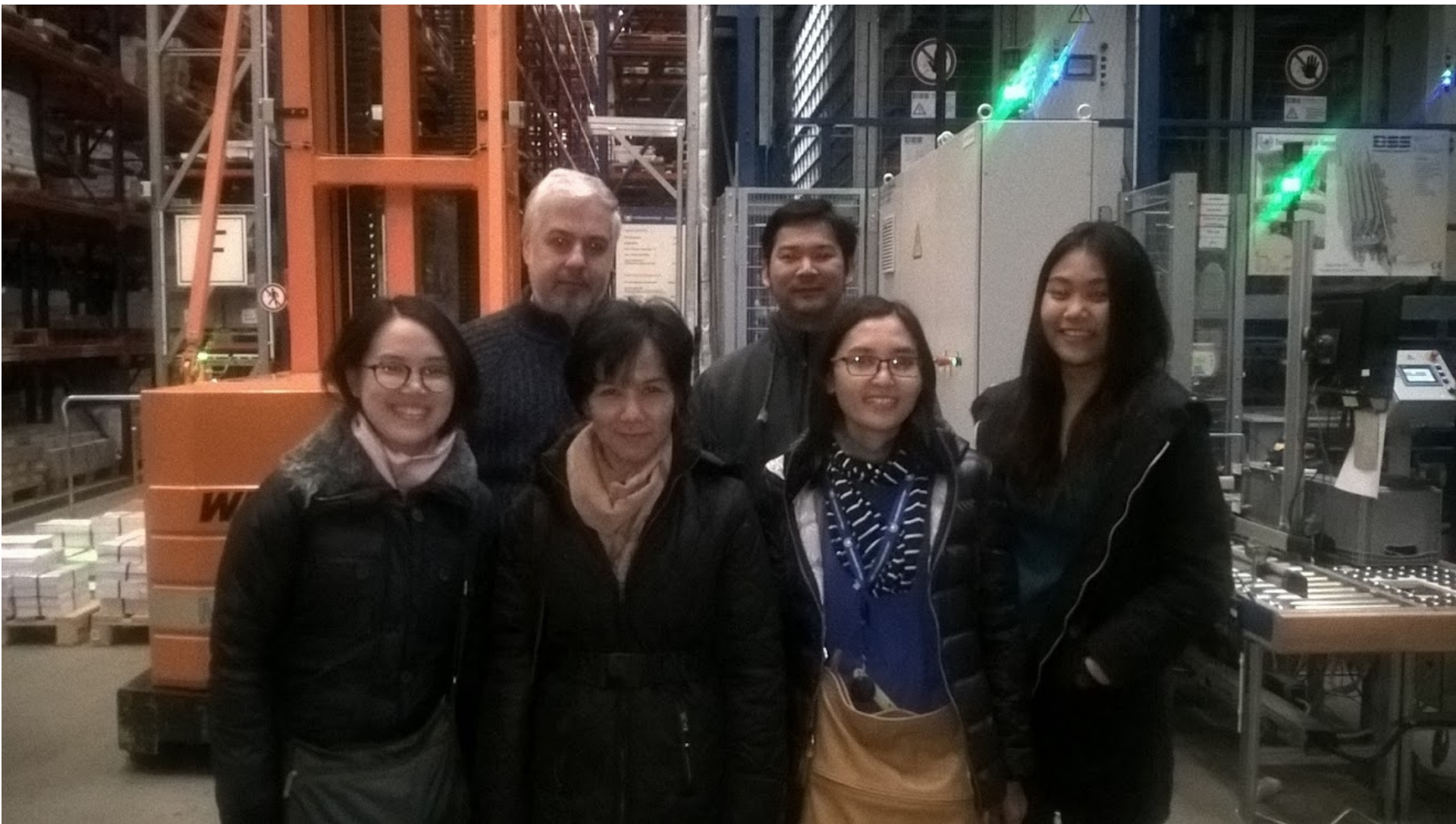


Civil Engineers















คณะเทคโนโลยีสารสนเทศ
Faculty of Information Technology



Results

- Three professors of the IT faculty are now familiar with the theory and technology of distance learning.
- One distance learning course is available to students of KMUTNB with complete support
- The course is embedded in KMUTNB's MOODLE environment.
- A contact to TGDE is made to use more advanced technological support in preparing teaching materials.



Aktuelles - Oktober 2015

Thailändische Partner-Uni setzt auf Fernstudium

Von Hagerer Erfahrungen profitieren

Wiedersehen macht Freu(n)de: Mit Sunantha Sodsee konnte Prof. Dr.-Ing. habil. Herwig Unger eine ehemalige „Vorzeige-Promovendin“ der FernUniversität in Hagen an seinen Lehrgebiet Kommunikationsnetze begrüßen. Sie hat gleichzeitig sowohl in Hagen wie auch an der King Mongkut's University of Technology North Bangkok (KMUTNB) promoviert – in rekordverdächtigen drei Jahren. Inzwischen ist Sunantha Sodsee Professorin an der Faculty of Information Technology ihrer Heimatuniversität. Zusammen mit zwei Kolleginnen, den Professorinnen Maleerat Sodanil und Thippaya Chintakovid, kam sie am 10. Oktober für drei Wochen nach Hagen, um mehr über Methodik und logistische Fragen der Fernlehre zu erfahren.

Die FernUniversität unterstützt die KMUTNB in einem zweijährigen, vom Deutschen Akademischen Austauschdienst finanzierten Projekt bei der Einführung eines eigenen Fernstudien-systems. Die Bangkokener IT-Fakultät will Teile ihrer Angebote in Fernstudienform verbreiten und dafür gerne das Know-how der FernUniversität nutzen. „Die Technologie ist bereits vorhanden, aber Organisation und Lehrinhalte fehlen noch“, so Prof. Unger.

„Das Interesse am Fernstudium neben dem Beruf ist in Thailand sehr groß, dabei spielen neben einem generell sehr hohen Interesse an nebenberuflicher Qualifikation auch die Verkehrsverhältnisse eine Rolle, die zu langen Fahrtzeiten nicht nur zur Hochschule führen“, erläutert er. „Daher kommt der Nutzung mobiler Endgeräte eine zentrale Rolle zu.“



Die drei thailändischen Professorinnen Sunantha Sodsee (vorne re.), Maleerat Sodanil und Thippaya Chintakovid wurden von Dekan Prof. Dr. Jörg Desel (hinten re.), Prof. Dr.-Ing. Herwig Unger und Dr. Panchalee Sukjit (Lehrgebiet Informationstechnik, li.) offiziell begrüßt.

Veranstaltungen:

02.11.2015 19:30

[Hagen]

**Rotary
Berufsinfoabend**

03.11.2015 18:30

[Coesfeld]

**Berufsbegleitend
studieren mit und
ohne Abitur** - Das
Universitätsstudium an
der FernUniversität in
Hagen

Aktuelles:

**„Eventisierungsprozess
und ihre Folgen“** -

Zwei
Wissenschaftlerinnen
der TU Dortmund
betrachten Museen
und ihr Publikum aus
einer „(ungleichheits-
)soziologischen ...
[30.10.2015]

**26 Nationen zu Gast
an der**

FernUniversität -
Lehren und Lernen im
digitalen Zeitalter: Die
europäischen
Fernuniversitäten
können die
notwendigen ...
[29.10.2015]

New ideas and a joint publication

The screenshot shows a Microsoft Word document with the following content:

Online Feedback for Video Lectures

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ABSTRACT

Educational videos are becoming a common channel for learning. A key advantage is that learners can study at their own pace and at any time. However, a lack of interaction between instructors and students make it more difficult to engage students, especially when students have study problems or questions. Developed as a RESTful web service, an educational video learning system presented in this paper enables student-instructor communications. Students can make screen gestures to indicate confusing or difficult parts of video contents whereas instructors can access these markings and give a response to students. Three types of symbols, which are circles, crosses, and underlines, are provided. Circles indicate that the contents are unclear to students and more clarification is needed. Crosses mean that students do not understand a specific part of the content. Underlines signify that students understand the content and would like to learn more details of the topic. The system was designed to detect and record these symbols. Both students and teachers have access to all screen gestures made on the video.

Keyword: Video Lectures, E-learning, Online Feedback.

1. Introduction

The status bar at the bottom indicates: SEITE 1 VON 13 2994 WÖRTER ENGLISCH (USA) 100%

- New idea for a system of ad-hoc feedback by student gestures
- 2 month guest professorship of Thippaya Chintakovid financed by FernUniversität
- Joint Supervision of one Hagen MSc student (Mr. A. Schwab)
- One international publication submitted



Prof. Dr.-Ing. habil. Herwig Unger FernUniversität in Hagen, Germany

*receives the Honorary Plaque Award from HRH Princess Maha Chakri Sirindhorn
on the auspicious occasion of HRH Princess Maha Chakri Sirindhorn 60th Birthday and
56th Anniversary Celebration of KMUTNB, 7th October 2015, KMUTNB.*

At the end

- Thank you very much to all participants.
- Thank you very much to DAAD for its support and good collaboration
- And: we are going on -
Jan. 2017- Dec. 2018

