Human-Computer Interaction

Class Code: BSCS-F2015A
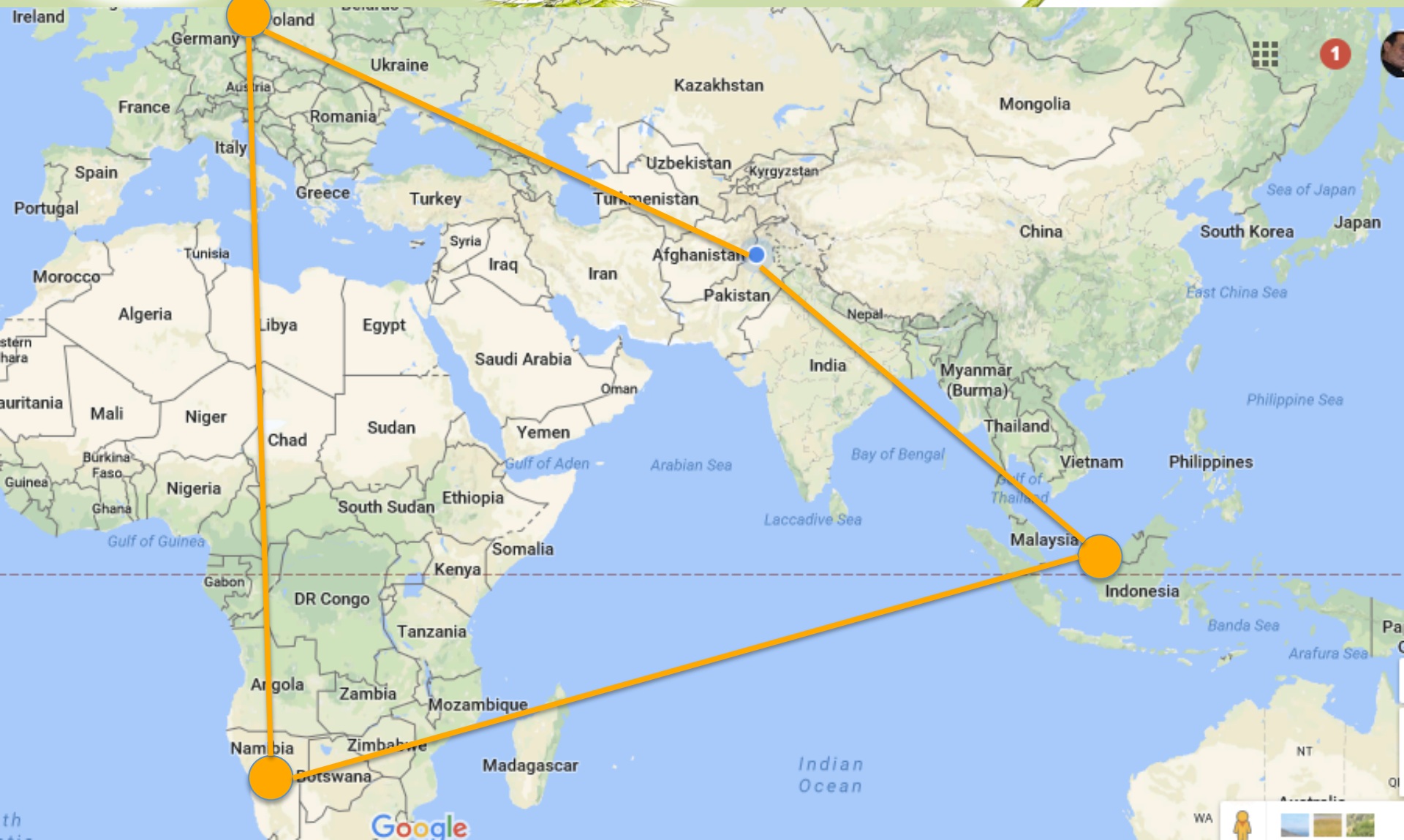
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A Quest to look for myself

Course Objectives

This course introduces the human issues of usability and its importance. It considers the implications of human understanding on the usability of computer systems and the importance of understanding the context of use. It describes guidelines for use of different media and interface styles. **Topics include Usability Design principals, standards and models, evaluation techniques**. Groupware, pervasive and ubiquitous applications

Schedule

Week	Topic	Workshop/Practical
1	The Human, Computer and Interaction	Analyzing Contextual Inquiry
2	Usability Paradigm and Principles	Field visit Sound recorder Appointment Transport
3	Introduction to Design Basics Design Methodologies Design Methods	Field Visit
4	Introduction to Design Basics (continued) Design Tools	Analyzing Data (from Qualitative to Quantitative) Affinity Diagram Diagnostic Map
5	HCI in Software Process PRISMA Co-Design	Developing Persona and Scenario Submission of the First Assignment
6	Design Rules Design Rules vs Usability Rules	Designing Storyboard
7	Special Topic in Human Computer Interaction Animal-Computer Interaction	Developing User Interface Insitu Co-Design
8	Special Topic in Human Computer Interaction Designing Participation and Engagement	Developing First Prototype

9	Mid-Term Exam	
10	Prototyping Design and Development	Developing First Prototype
11	Evaluation Techniques User experience Evaluation in the Wild	Testing and Evaluation Submission of the Second Assignment
12	Task Analysis	Developing Second Prototype
13	Universal Design and User Support and Computer Supported Cooperative Work	Testing and Evaluation
14	Introduction to Specialized Topics Ergonomics	Developing Final Prototype
15	Special Topic in Human Computer Interaction Designing with Marginalized Groups/DIYDIC	Presentation and Delivery of the Product
16	Guest Speaker	

Marks Distribution

Assignments (3)=12.5 marks
Quizzes (3)=12.5
Mid-term= 25
Final-term= 50

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Total =100

Lab course examination Structure :
Attendance= 10
Lab Assessment=30
Lab Project= 20
Final Examination break down
Final Lab Task=20
final viva/exam=20

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total =100

Part 1 :   20 to 30 percent mcqs or short questions fill in blanks etc ,and time allowed for this is 20 to 30 mints.

Part 2:   having 4 questions cover the whole course and time allowed is 2 to 2.1 hrs

note : mid term total time is 2 hours and final term examination is 2.5 hrs but distribution is same ,more over in final term paper you can give 20 % course from mid term.

Classes schedule

- Monday. 14:20-15:20 at FF-3
- Tuesday. 14:20-15:20 at FF-3

- Lab
- Wednesday: 08:20 – 11:00 at Lab-3