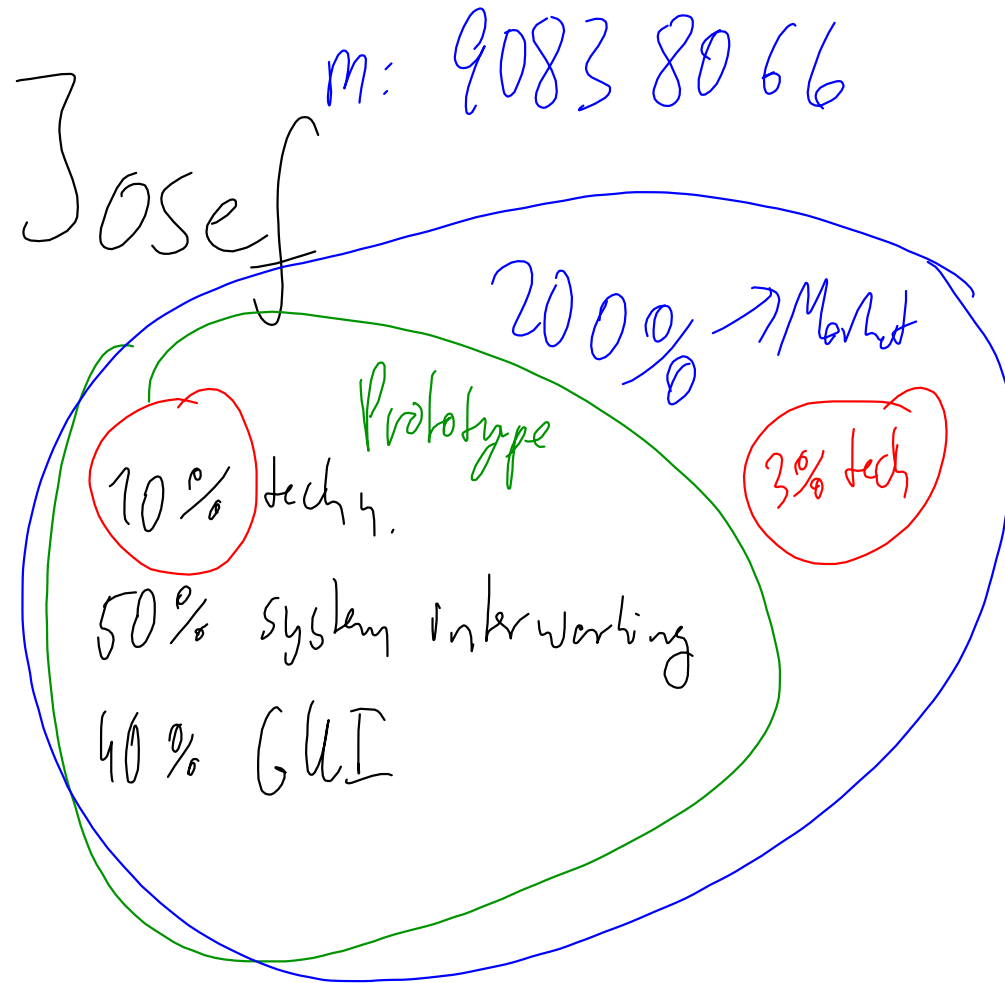




Yun Ai
Qihao Li
Mohsen
Pooja
Raul
KAZI

<https://plus.google.com/communities/107897964181233758835>



	literature, present the results towards the other students and discuss the advantages and shortcomings. This introductory work is mandatory for the participants, as it forms the basis for a home work, analysing selected topics in dedicated areas. The home work will be a report, and contributes to the final grade. Simulation of throughput in a network simulator is the second topic relevant for the final grade. Participants will learn to use the network simulator, and analyse specific radio interfaces." cannot be used as a page name in this wiki.
Keywords	Radio , Antennas , Propagation , Bandwidth , Gain , Capacity , Mobile Systems , Shannon , Mobility , MobileIP , MobileIPv6
Research Area(s)	Security , Radio technology
Type of course	Master

Edit the page by [Special:FormEdit/Course/UNIK4700](#).

Lecture overview

	<i>Date</i>
Antennas and their communication parameters	19 September 2014
Near Field Communication, Bluetooth, ZigBee and ANT+	12 September 2014
Basics of Communication and Assignments	5 September 2014
UNIK4700/9700-Introduction	27 August 2014

To add new lectures, use: [Add a lecture](#)

Lot's of course material is still on our old [wiki.unik.no](#), [Courses](#), [UNIK4700](#)

1 Info2 Earlier Lectures3 References4 Video conferencing5 Revisit lecturesedit

	Date
Interference level and modelling	13 December 2013
Evaluate COST 231 WI for handover	6 December 2013
Handover modelling model using COST 231 WI	29 November 2013
Implementation Cost231 models	26 November 2013
Implementation evaluation of Cost 231 WI model	18 November 2013
Cost 231 propagation model comparison	8 November 2013
Cost231 propagation models	19 October 2013

Phones

Jolla

Sailfish OS / Jolla Apps
Android Apps

56 $\frac{16 \text{ id/s}}{20 \text{ km}} \rightarrow \text{OK}$
 $\frac{250 \text{ km/h}}{20 \text{ km}} \rightarrow \text{OK}$

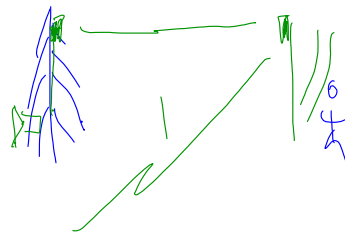
Building Mobile & Wireless Networks

Internet.org $\frac{1}{3}$ have Internet $\left\{ \begin{array}{l} \text{availability} \\ \text{affordability} \end{array} \right.$

Ericsson: cover 50% people by Mobile Networks
(450-700MHz) 70% people by 2017

* Basic Internet.org — free access to text & pic
compressed

* "build your own network" — forest
Sensor, video



mobile Virtual
Network Operator

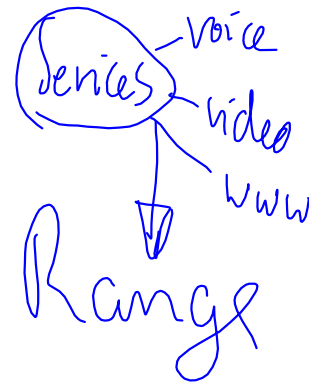
* Reverse of MVNO (SIM)
U:O "mobile" network (Wifi + 4G = 5G)

Physics
frequency

antenna

(Power T_x)

Interference



Capacity

Mobility

Service infrastructure

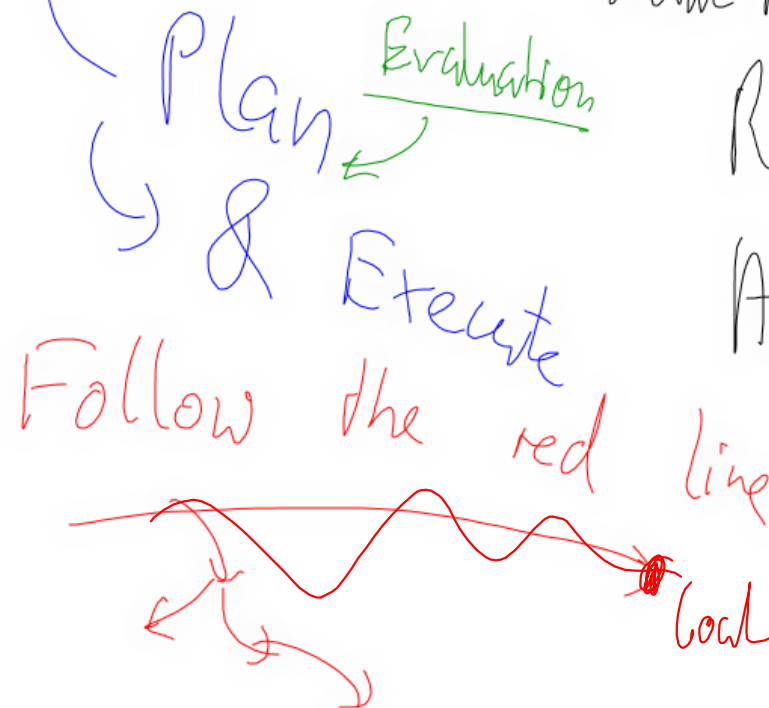
514

- Norway !
- Arpanet 1973
- GSN (12 Standards) (Telenor) TF
Shtef, FFI

What To Achieve

Academic work

- how we build up list of references
- modelling approach
- detailed list of topic (*next slide*)



Scholar
Microsoft Academics
Social Networks:
Research Gate
Academia.edu

IEEE
Springer
ACM
: