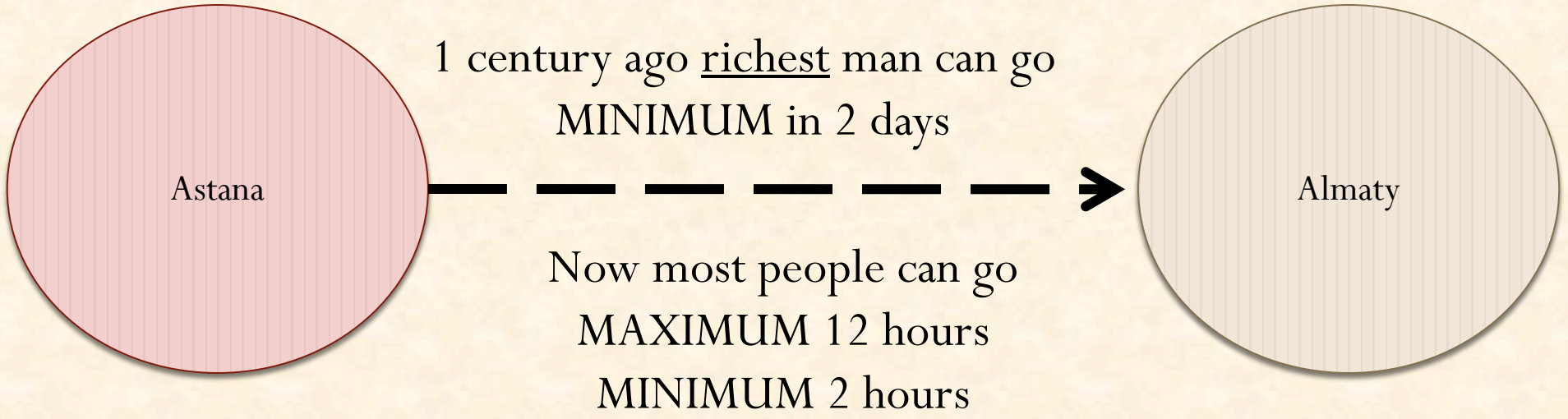
Development Perspectives of IT in

SULEYMAN DEMIREL
UNIVERSITY

Contents

- General view of IT education
- Education of IT in SDU
- Future Plans in SDU

General View of IT Education



But what about education???

New Learning Methods

- In last decades
  - Mobile learning
  - Blended learning
  - Web based learning
  - Massive open online courses
  - Microlearning
  - Nanolearning
  - Unschooling learning
  - Etc..

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Suleyman Demirel University

SULEYMAN DEMIREL UNIVERSITY

Suleyman Demirel University was opened in 1996 by the President of Kazakhstan, Nursultan Nazarbayev and the former president of Turkey, Suleyman Demirel. Suleyman Demirel University is a privately supported, co-educational institution with a worldwide mission.

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Faculty of Engineering and Natural Sciences

SULEYMAN DEMIREL UNIVERSITY

Dean: Prof. Dr. Koseoglu Y.

Departments

- Computer Engineering Department
  Head:
  Prof. Dr. Amirgaliyev E.
- Information Systems Department
  Head:
  PhD Zhaparov M .
- Mathematics Department
  Head:
  Dr. Verbovskiy V.

Institutes

- Institute of Informational Technology
  (Head: Prof. Dr. Amirgaliyev E.)
- Institute of Discrete and Mathematical Logic
  (Head: Prof. Dr. Baizhanov B.)

SULEYMAN DEMIREL UNIVERSITY
ENGINEERING FACULTY
NUMBER OF STUDENTS BY SPECIALITIES

SPECIALTY	1st Year		2nd Year		3rd Year		4th Year		Total
	ENG	KAZ	ENG	KAZ	ENG	KAZ	ENG	KAZ	
5B070400 – Computing Systems and Software	70	29	127	26	73	14	104	0	**443**
5B070300 – Information Systems	66	25	17	20	82	13	69	0	**292**
5B060100 – Mathematics (Science)	26	15	24	13	20	0	13	0	**111**
5B010900 – Mathematics (Pedagogy)	2	3	0	6	2	0	19	0	**32**
TOTAL	**164**	**72**	**168**	**65**	**177**	**27**	**205**	**0**	**878**
OVERALL	236		233		204		205		
State grant	183		156		142		162		**643**
SDU-grant	3		7		11		1		**22**
Paid	50		70		51		42		**213**

SULEYMAN DEMIREL UNIVERSITY
ENGINEERING FACULTY
NUMBER OF INSTRUCTORS BY DEPARTMENTS

Department	Prof.	Assoc.Prof.	Assist. Prof	Dr.	MSc.	BSc.	Total
Mathematics and Natural Sciences	3	1	2	3	10	3	**22**
Information Systems	6		2	1	8	1	**18**
Computer Engineering	5			2	10	1	**18**
TOTAL	14	1	4	6	28	5	**58**

Also we have more than **25** foreign exchange staff came last year to give module courses and seminars.

IT Education in SDU

- Student exchange programs with other universities (48 international and 13 national universities) like UNIST (Korea), University of Malaya , Leeds Metropolitan (England), Fatih University (Turkey) etc.
- Industrial Practice for students. (Banks, IT-Companies, Research Institutes etc.)
- Weekly seminars from industry and academics
- Industry and company visits with students
- Lecturers from different countries
- Best Diploma Day
- Support of student clubs like IT Club, Education Club.
- SDU Open – ACM Olympiad
- INFOMATRIX Olympiad
- Summer practice in Kazakhstan and abroad

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Speciality Topics in SDU

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- Database
- Network
- WEB Programming
- ERP Programming
- Arduino (robotics)
- Security systems
- Administrators (OS, Data)
- Virtualization

Projects

- State projects

1. Head: Dr. Verbovskiy V. under Institute of Informational Technology
2. Head: Prof. Dr. Baizhanov B. under Institute of Discrete and Math. Logic
3. Head: Prof. Dr. Amirgaliyev E. under Institute of Informational Technology

Organizing Conferences

1. ICECCO (International Conference on electronics, Computer and Computation)
2. AICT (Applications of Information and Communication Technologies)
3. INFOMATRIX Olympiad
4. ACM Olympiad (SDU-OPEN -Online Olympiad of programming)

- Initiative projects

1. Head: Prof. Dr. Amirgaliyev E. under Institute of Informational Technology
2. Head: Prof. Dr. Amirgaliyev E. under Institute of Informational Technology
3. Head: Dr. Zhaparov M. K. under Institute of Informational Technology

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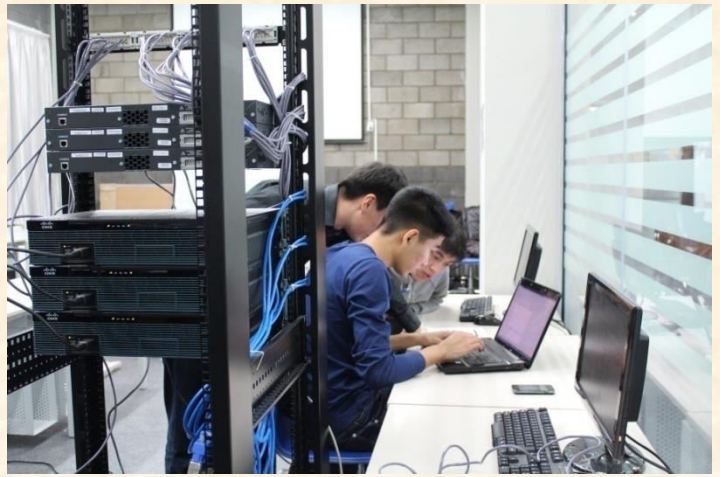
Cisco Laboratory at SDU

SDU
Suleyman Demirel University

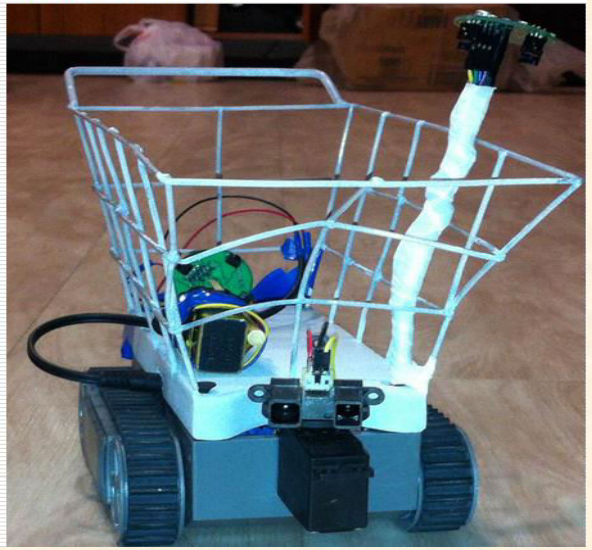
In CISCO Excellence 2013 – Our Academy was awarded "Most Developing Cisco Networking Academy in Europe and CIS"



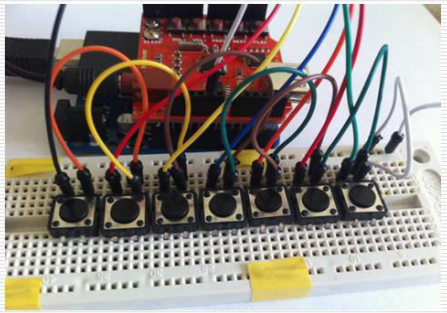
Robotics Laboratory at SDU

	2010-2011	2011-2012	2012-2013	2013-2014
Number of diploma projects with hardware and robotics applications	3	6	19	28
Total number of diploma projects	91	103	126	152
Percentage	3.3%	5.8%	15%	18.4%

HUMAN FOLLOWING E-CART



ELECTRONIC EDUCATIONAL BOARD "ALIPPE"



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Microlearning Research Center

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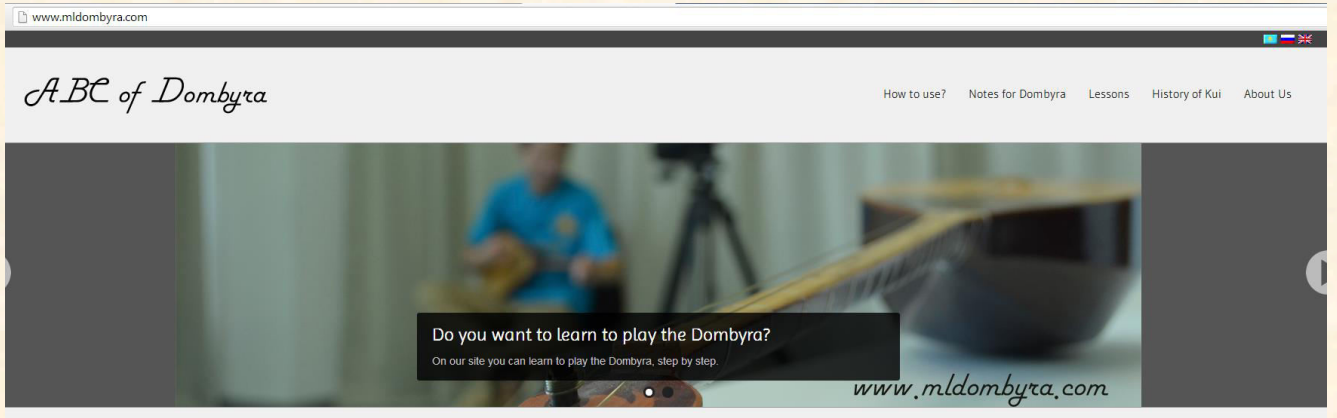
Android Application for learning Programming Language C++

E-Learning National Instrument Dombyra www.mldombyra.com



Also we have newly established Mobile Development laboratory and Security Systems laboratory (PERCO).

Future Plans

- Smart Campus (University)
- Head: PhD. Saginbekov S.

- Advisory Board for Engineering Faculty
- IT Companies (National and International Companies)

- Nanotechnology Laboratory
- Head: Prof. Dr. Koseoglu Y.

- Organizing new Project Olympiads for students

Future Plans

Forthcoming Academies

- NetApp
- Oracle (SUN products and database)
- VMWARE
- Microsoft (only Development)

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THANK YOU!