Kick-Off Meeting
Berlin
4-5 March 2019

New and Innovative Courses for Precision Agriculture

NICOPA

TASHKENT UNIVERSITY OF INFORMATION TECHNOLOGIES

NAMED AFTER MUHAMMAD AL-KHWARIZMI,

FACULTY OF COMPUTER ENGINEERING

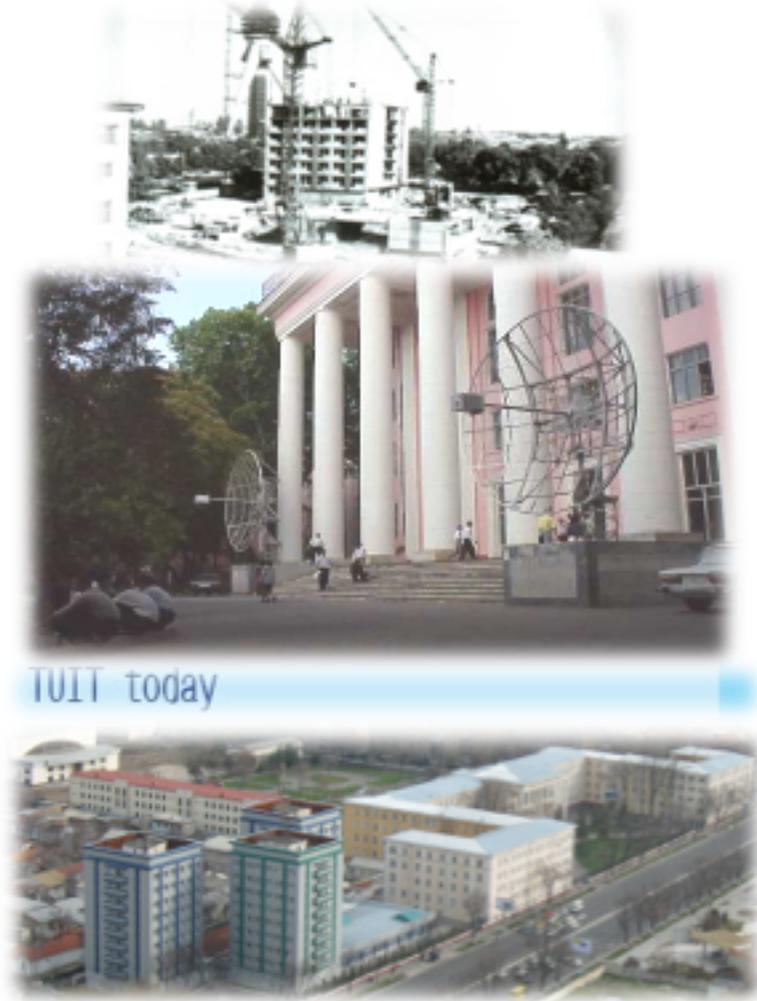**PhD. Komil Tashev**
PhD. Temurbek Kuchkorov

Joint Project: Capacity Building in the Field of Higher Education ERASMUS+ 2018

Co-funded by the
Erasmus+ Programme
of the European Union

History: TUIT

1955 - Tashkent Electro technical Institute of Communication (TEIC) was established.

1993 - Special faculty for training of signalmen officers was established.

1997 - Boarding – school and Academic lyceum attached to the Institute started its activity.

2002 - In accordance with the decree of the President of the Republic of Uzbekistan, TEIC was renamed as Tashkent University of Information Technologies (TUIT).

2005 - Regional branches of TUIT were established in Karshi, Nukus, Samarkand, Urgench and Fergana.

2017 - In accordance with the decree of the President of the Republic of Uzbekistan, TUIT was renamed as Tashkent University of Information Technologies named after Muhammad al-Khwarizmi (TUIT).

TUIT today

# Statistical facts on TUIT

According to 2018 year.

Students more than
13,000

Professors about
1000

Alumni
50,000

Branches
5

Undergraduate majors
12

Departments
62

Graduate Schools
14

Outstanding infrastructure of TUIT

According to 2018 year.

- **Regional branches of**: Karshi, Nukus, Urgench, Samarkand and Fergana
- **Number of students per professor**: 11 students
- **Total students**: more than 13,000
- **Dormitory capacity**: 3,000 students
- **Number of laboratories**: about 50
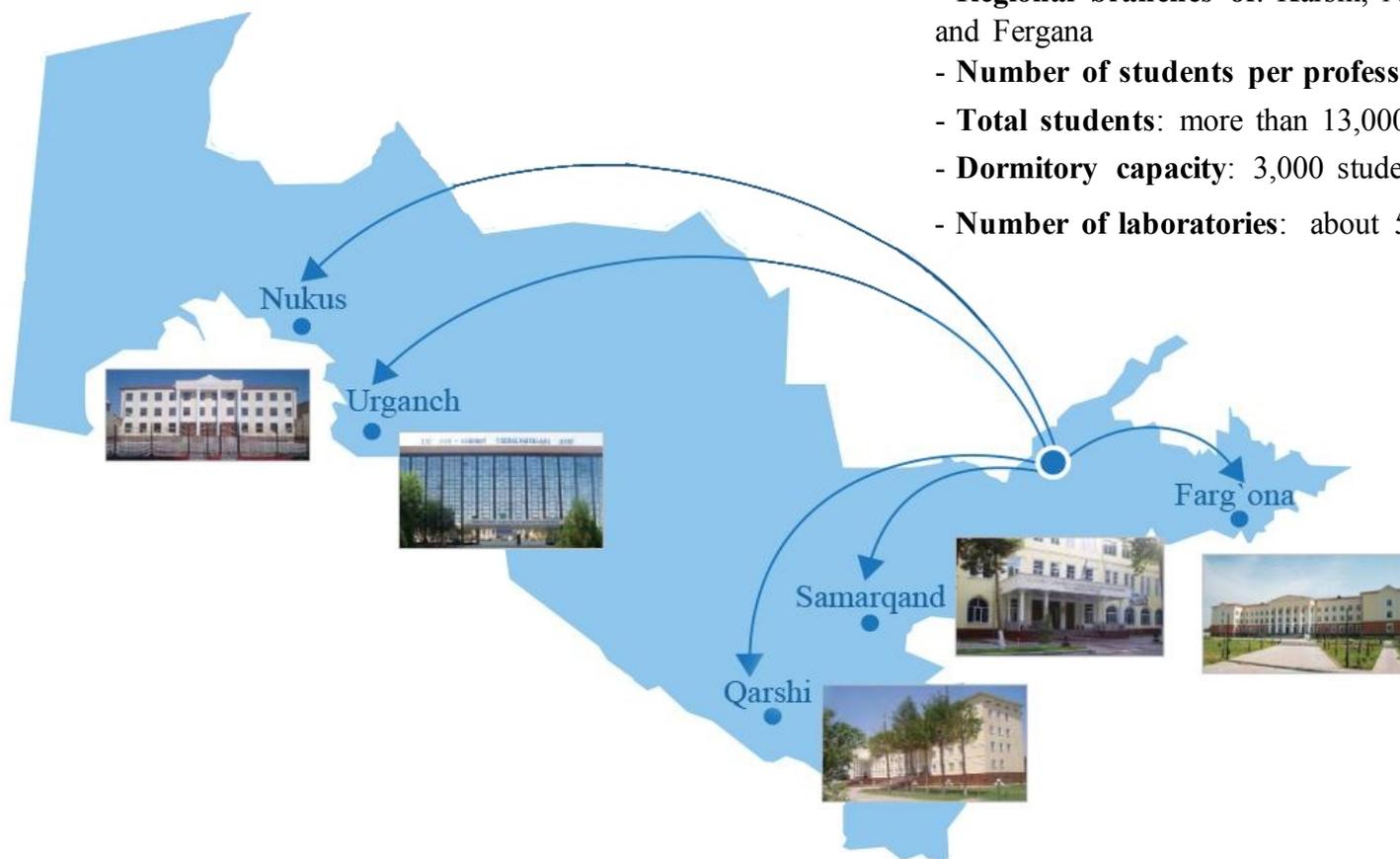
TUIT: Faculties

1. Faculty of Computer Engineering
2. Faculty of Software Engineering
3. Faculty of Telecommunication Technologies
4. Faculty of Television Technologies
5. Faculty of Economy and Management in ICT
6. Faculty of Professional Education
7. Faculty of Information Security
8. Faculty of Radio and mobile communications

Target faculties: Computer engineering & Radio and mobile communications

04. Staff

- Professors: 28
- Teacher-assistants: 63
- Total: 91

01. Students

- Bachelor: 1560
- Master: 69
- Total: 1629

Computer engineering faculty

04 · 01 · 03 · 02

03. Departments

- Information technologies
- Computer systems
- Multimedia technologies
- Basis of Informatics

02. Programs

- BA: Computer engineering
- BA: IT – Service
- BA: Multimedia technology
- MA: CSD
- MA: AAD
- MA: E-gov. system

Laboratories of CE Faculty
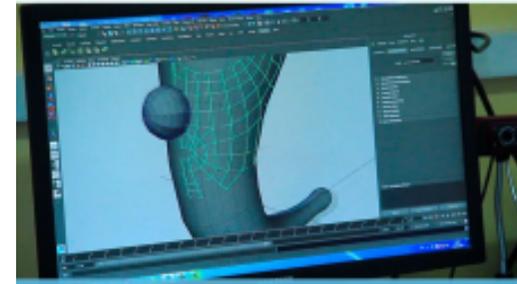

Robotics laboratory

Ubiquitous healthcare laboratory

3D technologies and computer animation laboratory

Multimedia laboratory

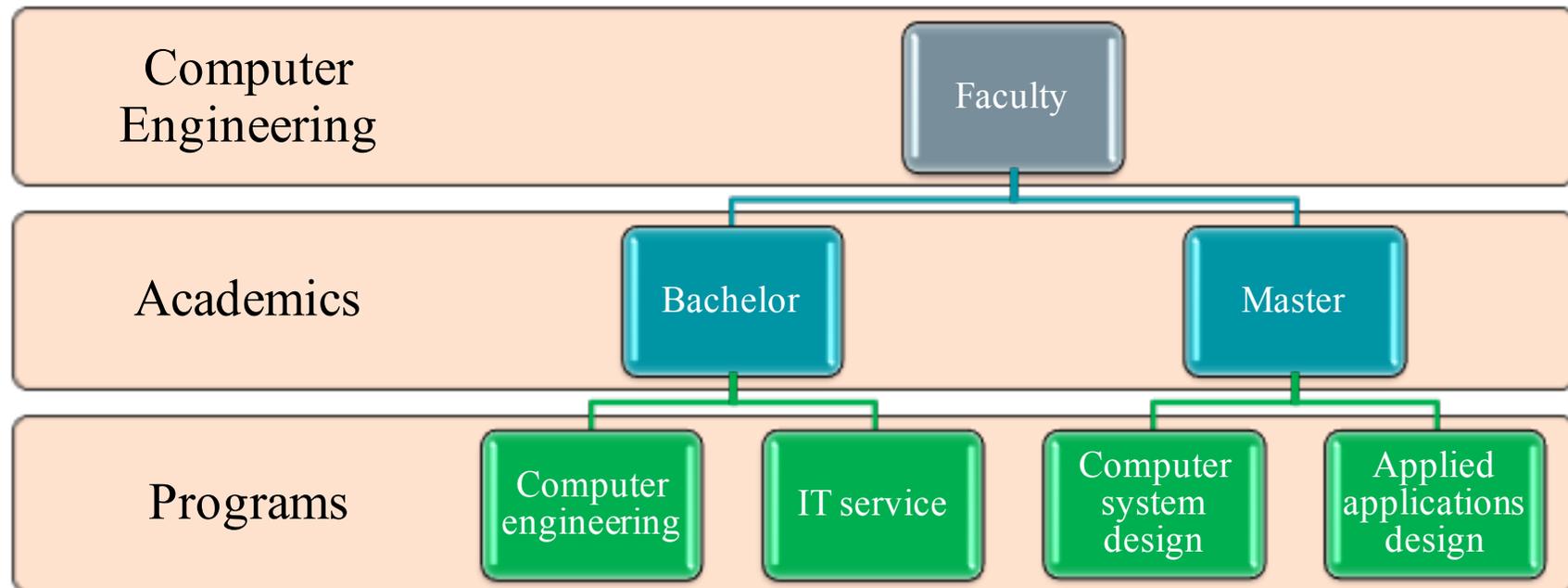Oracle laboratory

GIS lab (Planning)

Project related BA/MA Programs: CE Faculty

Computer Engineering

Faculty

Academics

Bachelor

Master

Programs

Computer engineering

IT service

Computer system design

Applied applications design

Curricula/Modules Studied in the BA/MA Programs to Upgrade

#	Subjects	Credits	Schedule 1-course		2-course	
			Semesters			
			1	2	3	4
			# weeks in semester			
			15	15	15	9
1.00	**Methodological subjects**	20	X	X	X	0
2.00	**Subjects of specialty**	12	0	X	X	0
2.01	Geoinformation systems	6		X		
2.02	Big Data	6			X	
3.00	**Elective specialty subjects**	16	X	0	X	X
3.01	Specialty subject #1	6				X
3.02	Specialty subject #2	6			X	
3.03	Specialty subject #3	4	X			
	Total:	**48**	**X**	**X**	**X**	**X**
4.00	**Science activity**	72	X	X	X	X
4.01	Preparing Masters dissertation	52	X	X	X	X
4.02	Science Pedagogical work	8	X	X	X	
4.03	Internship	12				X
	OVERALL:	**120**				

Curricula of MA programs: "**Applied applications design**"

#	Subjects	Credits	Schedule 1-course		2-course	
			Semesters			
			1	2	3	4
			# weeks in semester			
			15	15	15	9
1.00	**Methodological subjects**	20	X	X	X	0
2.00	**Subjects of specialty**	12	0	X	X	0
2.01	Ubiquiotus-healthcare	6		X		
2.02	VLSI system design	6			X	
3.00	**Elective specialty subjects**	16	X	0	X	X
3.01	Specialty subject #1	6				X
3.02	Specialty subject #2	6			X	
3.03	Specialty subject #3	4	X			
	Total:	**48**	**X**	**X**	**X**	**X**
4.00	**Science activity**	72	X	X	X	X
4.01	Preparing Masters dissertation	52	X	X	X	X
4.02	Science Pedagogical work	8	X	X	X	
4.03	Internship	12				X
	OVERALL:	**120**				

Curricula of MA programs: "**Computer system design**"

Curricula/Modules Studied in the BA/MA Programs to Upgrade

#	Subjects	Credits	Schedule			
			1-course		2-course	
			Semesters			
			1	2	3	4
			# weeks in semester			
			15	15	15	9
1.00	**Methodological subjects**	20	X	X	X	0
2.00	**Subjects of specialty**	12	0	X	X	0
2.01	Geoinformation systems	6		X		
2.02	Big Data	6			X	
3.00	**Elective specialty subjects**	16	X	0	X	X
3.01	Remote Sensing and Application of Earth and Environment related PA	6				X
3.02	Basics of Precision agriculture	6			X	
3.03	Specialty subject #3	4	X			
	Total:	48	X	X	X	X
4.00	**Science activity**	72	X	X	X	X
4.01	Preparing Masters dissertation	52	X	X	X	X
4.02	Science Pedagogical work	8	X	X	X	
4.03	Internship	12				X
	OVERALL:	120				

Curricula of MA programs: "**Applied applications design**"

#	Subjects	Credits	Schedule			
			1-course		2-course	
			Semesters			
			1	2	3	4
			# weeks in semester			
			15	15	15	9
1.00	**Methodological subjects**	20	X	X	X	0
2.00	**Subjects of specialty**	12	0	X	X	0
2.01	Ubiquiotus-healthcare	6		X		
2.02	VLSI system design	6			X	
3.00	**Elective specialty subjects**	16	X	0	X	X
3.01	Specialty subject #1	6				X
3.02	Optimizing computer vision algorithms and real-time implementations	6			X	
3.03	Specialty subject #3	4	X			
	Total:	48	X	X	X	X
4.00	**Science activity**	72	X	X	X	X
4.01	Preparing Masters dissertation	52	X	X	X	X
4.02	Science Pedagogical work	8	X	X	X	
4.03	Internship	12				X
	OVERALL:	120				

Curricula of MA programs: "**Computer system design**"

New Curricula/Modules for MA Programs (Planning)

#	Subjects	Credits	Schedule			
			1-course		2-course	
			Semesters			
			1	2	3	4
			# weeks in semester			
			15	15	15	9
1.00	**Methodological subjects**	20	X	X	X	0
2.00	**Subjects of specialty**	12	0	X	X	0
2.01	Web technologies (Agro SDI, Geo-portals, Geo-services, Geo-analytical systems)	6		X		
2.02	Geoinformation systems	6			X	
3.00	**Elective specialty subjects**	16	X	0	X	X
3.01	Remote Sensing and Application of Earth and Environment related PA	6				X
3.02	Global Navigation Satellite Systems (NAVSTAR, GLONASS, GALILEO, etc.)	6			X	
3.03	Basics of the Precision agriculture – characteristics, technologies, economic efficiency, optimal use of resources	4	X			
	Total:	48	X	X	X	X
4.00	**Science activity**	72	X	X	X	X
4.01	Preparing Masters dissertation	52	X	X	X	X
4.02	Science Pedagogical work	8	X	X	X	
4.03	Internship	12				X
	OVERALL:	120				

Curricula of MA programs: "**Geoinformation technology**"

Work Group of the Project NICOPA

#	Name/Surname	Role in project/Position
1	Tulkin Teshabaev	administrative staff, rector
2	Sherzod Sindarov	administrative staff, Ph.D., vice rector
3	Komil Tashev	lecturer-researcher, Ph.D., vice rector
4	Temurbek Kuchkorov	Project coordinator, lecturer-researcher, Ph.D., associate professor of "Computer systems" department
5	Javlonbek Abdujalilov	administrative staff, head of international department
6	Dilmurod Davronbekov	lecturer-researcher, Ph.D., dean of "Radio and mobile communications" faculty
7	Yuriy Pisetskiy	lecturer-researcher, D.Sc., associate professor of "Mobile and radio communication" department
8	Asqar Amirov	Project accountant
9	Zamira Allamuratova	lecturer-researcher, teacher-assistant of "Computer systems" department

Work Plan of the University in NICOPA project

#	Task/Activities	Responsible person
1	Review of the current curricula for BA/MSc in target area in PC HEIs.	Komil Tashev Temurbek Kuchkorov
2	Agreement on instructional strategy and guidelines for BA/MSc curricula design including the use of new Educational Technologies	Komil Tashev Javlonbek Abdujalilov
3	Prepare a set of new core curricula, develop syllabi; adopt on institutional level, accredit on national level	Komil Tashev Temurbek Kuchkorov
4	Purchase the equipment incl. software; install the equipment	Sherzod Sindarov, Asqar Amirov
5	Retrain academic teachers in new curricula using innovative teaching/ learning facilities	Komil Tashev Zamira Allamuratova
6	To update the current BA/MSc curricula/create updated programs in the target area according to the Bologna requirements and the new developments	Komil Tashev Temurbek Kuchkorov
7	Master Classes in new curricula /pilot operation of PAL and VCR	Komil Tashev Temurbek Kuchkorov
8	Pilot teaching/operation of PAGIS and VCR	Dilmurod Davronbekov Yuriy Pisetskiy

Work Plan of the University in NICOPA project

#	Task/Activities	Responsible person
9	The Quality assurance strategy/Q Plan of each PC university including internal/external Quality evaluation/reports according to Q Plan	Komil Tashev Temurbek Kuchkorov
10	Project DISS& EXP /communication plan using a Set of Promotional Materials; Dissemination Events, Joint WEB based platform, "NICOPA+" Agreement	Komil Tashev Javlonbek Abdujalilov
11	Full media coverage of the project activities inclusive developing and maintenance of Joint WEB based platform	Dilmurod Davronbekov Yuriy Pisetskiy
12	Develop a set documentation on PASO with stakeholders support /purchase /install equipment /establish	Sherzod Sindarov Temurbek Kuchkorov Asqar Amirov
13	Staff training for PASO, establishing Regional /International PASO network, pilot operation	Sherzod Sindarov Komil Tashev
14	Refresh training courses for graduates in PASO	Dilmurod Davronbekov Yuriy Pisetskiy
15	International BA/ MSc Summer Schools	Komil Tashev Temurbek Kuchkorov
16	Management of the project including Project management online, daily project administration and coordination	Komil Tashev Temurbek Kuchkorov

Thank you for attention!

Our contacts

PhD, Komil Tashev
Vice rector for research and innovation
e-mail: k.akhmatovich@gmail.com
Phone: +99897 702-81-24
+99871 238-64-03

PhD, Temurbek Kuchkorov
Associate professor
e-mail: timanet4u@gmail.com
Phone: +99897 708-22-10
+99871 238-64-58