





ERASMUS+ KA2 Capacity Building in the field of Higher Education

SMARTCITY: Innovative Approach Towards a Master Program on Smart Cities Technologies / SMRCITY

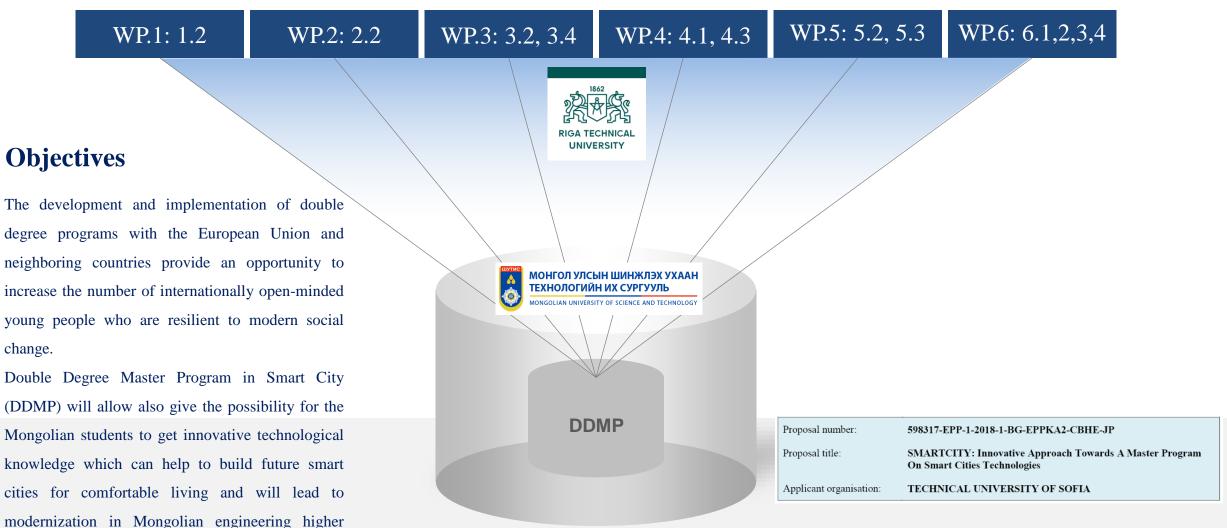
598317-EPP-1-2018-1-BG-EPPKA2-CBHE-JP

MUST, Ulaanbaatar, Mongolia

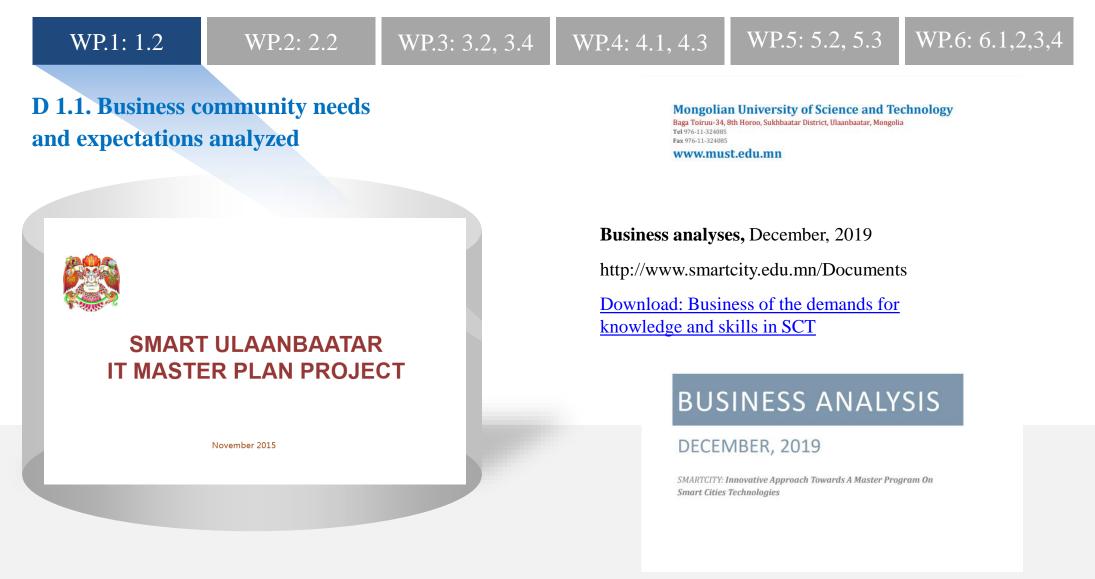
Prof. Narantsetseg Yadmaa, Graduate School of Engineering, MUST

Double Degree Master Program

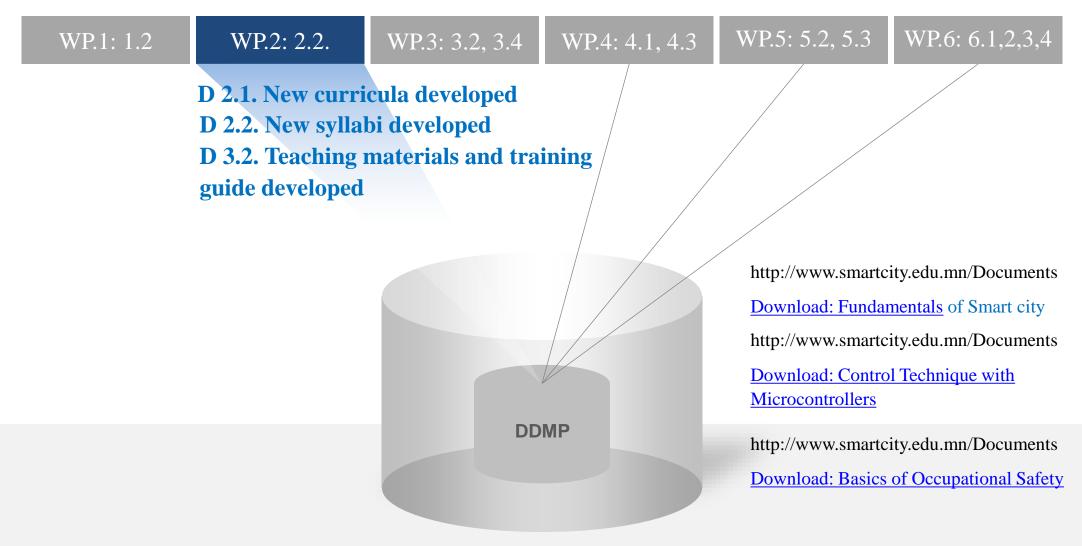
education.



Double Degree Master Program



Double Degree Master Program



WP.2.2. Curriculum of Master program in SCT





Annex 1: Program Structure Annex 1: Program Structure

	S1: Fall	S2: Spring	S3: Fall	S4: Spring
	semester	semester	semester	semester
MUST students: 4 semesters 120 ECTS	Courses at RTU 30 ECTS	Courses at RTU 30 ECTS	Courses at MUST: 30 ECTS (additional semester)	Master thesis 30 ECTS



COOPERATION AGREEMENT

concerning a

Double Diploma Master Programs

between

Riga Technical University

- hereinafter referred to as RTU

of Master Degree Program in Computerised Control of Electrical Technologies

and

Mongolian University of Science and Technology

- hereinafter referred to as MUST

of Master Degree Program in Electronics Engineering

leading to the award of the Double Diploma

of Master Degree of Engineering Science in Electrical Engineering at RTU and

of Master Degree of Science in Electronics Engineering at MUST

Results **WP.2.2. Curriculum of Master program in SCT**

Type 2

No	Code	Study Program		(RTU) ECTS	Grade	Date
A	Compulso	ry study courses	315232	43.0/64.5	11/200	
1	EEP584	Theory of Electronic Converters of Electrical Energy	at RTU	6	N. A.	
2	EEP585	Simulation of Electrical Processes	at RTU	7.5		
3	EEP574	Commutated Converters	at RTU	7.5		
4	EEP572	The Control Systems of Power Electronics Equipment	at RTU	7.5		
5	EEP570	Elements of Automatics	at RTU	13.5	Egite	
6	EEP433	Automated Electrical Drive	at RTU	4.5	110	
7	EEP524	Design of Power Electronics Systems	at RTU	4.5		
8	EEP504	Microprocessors - based Automation Systems	at MUST	4.5		
9	EEP582	Control Technique with Microprocessor Controllers	at MUST	4.5		
10	EEP583	Industrial Frequency Converters and Inverters	at RTU	3		
11	IDA700	Basics of Labour Protection		1.5		
12	F.CN725	Basics of Occupational Safety	at MUST	1.5		
В	Compulsory elective study courses			14.0/21.0		
Bl	Field-spec	ific study course	10.0/15.0			
1	EEP408	Automated Electro technological Processes		3		
2	EEP430	Industrial Programmable Control Systems		3		
3	EEP342	Application of Computers in Electrical Equipment Design		3		
4	EEP319	Methods of Analysis and Calculation of Electronic Circuits		3		
5	EEP458	Typical Electrical Drive		7.5		
6	EEP581	Electro-Magnetic Compatibility in Industrial Electronic Equipment	at RTU	3		
7	EEP453	Industrial Electronic Equipment		6		
8	EEP345	Unconventional Systems of Energy Conversion and Accumulation		4.5		
9	EES162	High Voltage Engineering		4.5		
10	J.EE702	Semiconductor IC technology	at MUST	4.5		
11	J.EE703	Digital Signal Processing	at MUST	4.5		
12	U.SC705	Fundamental of Smart city	at MUST	3.0		
B2	Humanitie	s and social sciences study courses		2.0/3.0	In the second	
1	HSP483	Industrial Relations		3.0		_
2	U.SC782	Industrial Relations	at MUST	3.0		_
3	HSP488	Business Sociology		3.0		
4	HSP430	Social Psychology		3.0		
5	HSP446	Pedagogy		3.0		_
B3	Economics	and management study courses		2.0/3.0	10111-00	

1	IUE217	Business Economics	3.0		
2	IUE308	Entrepreneurship Planning		3.0	
3	U.SC783	Entrepreneurship Planning and Smart cities	at MUST	3.0	
4	IRO313	Organization of Production		3.0	
С	Free electi	ve study courses	4.0/6.0		
1	SDD701	Innovative Product Development and Entrepreneurship	at RTU	6.0	
E	Final exan	ination	26.0/39.0		
1	U.SC780	Internship: Smart city and ICT	at MUST	9.0	
2	J.EE795	Master Thesis	at MUST	15.0	
3	EE1002	Master Thesis	at RTU	15.0	
4	EEL002	Master Thesis		30.0	
5	EEP002	Master Thesis		30.0	



Signature and stamp Done in Ulaanbaata Vice-President for Agademic Affairs Prof. Khaltar Enkhjargal Date 30/0

WP.2.2. Curriculum of Master program in SCT

Annex 3: Study Plan for Students of MUST

Type 1

	Code	Study Program	Section	(RTU) ECT
	1 st Semeste	r: Courses at RTU		39.0
1	EEP584	Theory of Electronic Converters of Electrical Energy	А	6
2	EEP585	Simulation of Electrical Processes	А	7.5
3	EEP572	The Control Systems of Power Electronics Equipment	А	7.5
4	EEP570	Elements of Automatics	A	13.5
5	EEP433	Automated Electrical Drive	А	4.5
-	2 nd Semeste	er: Courses at RTU		18.0
6	EEP574	Commutated Converters	А	7.5
7	EEP524	Design of Power Electronics Systems	А	4.5
8	EEP583	A	3	
9	EEP581	Electro-Magnetic Compatibility in Industrial Electronic Equipment	B1	3
	19.5			
10	F.CN725 Basics of Occupational Safety A		А	1.5
11	F.EE714 Microprocessors - based Automation Systems		А	4.5
12	F.EE715	Control Technique with Microprocessor Controllers	A	4.5
	J.EE702	Semiconductor IC technology	B1	4.5
13				
13 14	J.EE703	Digital Signal Processing	B1	4.5
14		bigital Signal Processing ter: Courses at MUST/RTU	B1	4.5 54.0
14			B1 B1	
14	th Semes	ter: Courses at MUST/RTU		54.0
14	th Semes U.SC705	ter: Courses at MUST/RTU Fundamental of Smart city	B1	54.0 3.0
14 15 16	th Semes U.SC705 U.SC782	ter: Courses at MUST/RTU Fundamental of Smart city Industrial Relations Entrepreneurship Planning and	B1 B2	54.0 3.0 3.0
14 15 16 17	th Semes U.SC705 U.SC782 U.SC783	ter: Courses at MUST/RTU Fundamental of Smart city Industrial Relations Entrepreneurship Planning and Smart cities Innovative Product Development and	B1 B2 B3	54.0 3.0 3.0 3.0
14 15 16 17 18	4 th Semes U.SC705 U.SC782 U.SC783 SDD701	ter: Courses at MUST/RTU Fundamental of Smart city Industrial Relations Entrepreneurship Planning and Smart cities Innovative Product Development and Entrepreneurship	B1 B2 B3 C	54.0 3.0 3.0 3.0 6.0

Annex 2: Courses Alignment Table (RTU) ECTS MUST subjects (credit No Code **RTU Study Program** transfer plan) ECTS A Compulsory study courses 64.5 Theory of Electronic 1 EEP584 To be acquired at RTU 6 Converters of Electrical Energy 2 EEP585 Simulation of Electrical 7.5 To be acquired at RTU 7.5 3 EEP574 Commutated Converters To be acquired at RTU 4 EEP572 To be acquired at RTU 7.5 Electronics Equipment 5 EEP570 Elements of Automatics 13.5 To be acquired at RTU 6 EEP433 Automated Electrical Drive To be acquired at RTU 4.5 Design of Power Electronics 7 EEP524 4.5 To be acquired at RTU tems Microprocessors - based 8 EEP504 Fransferred to RTU 4.5 Automation Systems 9 EEP582 Control Technique with Microprocessor Controller 4.5 Fransferred to RTU 10 EEP583 Industrial Frequency To be acquired at RTU 3 Converters and Inverter 11 IDA700 Basics of Labour Protection Fransferred to RTU 1.5 B Compulsory elective study courses 21 B1 - Completed at B1 Field-specific study course 15 Partner Institution Automated Electro 3 1 EEP408 technological Processes Industrial Programmable 2 EEP430 Transferred to RTU 3 Control Systems Application of Computers in 3 3 EEP342 Electrical Equipment Design Methods of Analysis and 4 EEP319 Calculation of Electronic 3 Circuits 7.5 5 EEP458 Typical Electrical Drive Electro-Magnetic 6 EEP581 Compatibility in Industrial To be acquired at RTU 3 Electronic Equipment Industrial Electronic 7 6 EEP453 Equipment Unconventional Systems of 8 4.5 EEP345 Energy Conversion and Fransferred to RTU umulation 9 EES162 High Voltage Engineering Fransferred to RTU 4.5 B2 Must be agreed a priory for each Humanities and social sciences study B2 - Completed at 3.0 student in according to the Partner Institution courses ndividual plan 1 HSP483 Industrial Relations Transferred to RTU 3.0 2 HSP488 Business Sociology 3.0 3 HSP430 Social Psychology 3.0 4 HSP446 Pedagogy 3.0 Must be agreed a priory for each student in according to the B3 Economics and management study B3 - Completed at 3.0 courses Partner Institution individual plan 1 IUE217 Business Economics 3.0 3.0 2 IUE308 Entrepreneurship Planning Transferred to RTU 3 IRO313 Organization of Production 3.0 6.0 C Free elective study courses Innovative Product 6.0 1 SDD701 Development and To be acquired at RTU Entrepreneurship E Final examination 30.0 In cooperation with MUST (15 ECTS 2 Transferred to RTU 30.0 EEI002 Master Thesis transferred from MUST) 30.0 3 EEL002 Master Thesis 30.0 4 EEP002 Master Thesis Signature and stamp Signature and stanip Done in Riga Done in Ulaanbaata UNIVE Not Vice-Rector for Academic Affair Vice-President for Academic Affairs Prof. Khaltar Enkhjargal

Date 30/08/102/

Prof. Uldis Sukovskis

Date 18/05/2021

WP.2.2. Curriculum of Master program in SCT

APPRO	VED BY PRES	IDENT OF MUST	CHIRBAT	
	TECHNICAL IVERSITY	RIGA TECHNICAL ENTYPERITY FACULTY OF ELECTRICAL AND ENTROPMENTAL INGINEER "Computerized Control of Electrical Technologie		
	\$	MONGOLIAN UNIVERSITY OF SCIENCE AND TECHNOLOG GRADUATE SCHOOL OF ENGINEERING	ĸ	
	c	"ELECTRONICS" CURRICULUM OF DOUBLE DIPLOMA MASTER PRO	GRAM	
Professio	onal Index:	E07140101		
Academi	ie Degree:	Master		
	ion requierment			
Study ty Duration		Ordinary, Distance 2.0 year		
COURS	E CODE	COURSE NAME	CREDIT	SEMEST
SPECIALIZATION: SPECIALIZATION COU		SMART CITY TECHNOLOGIES	/ECTS/	
			91.5	
	ulsory study cou		64.5	
RIU	EEP584	Theory of Electronic Converters of Electrical Energy	6.0	14
RTU	EEP585	Simulation of Electrical Processes	7.5	1A
RTU	EEP574	Commutated Converters	7.5	18
RTU	EEP572	The Control Systems of Power Electronics Equipment	7.5	IA
RTU	EEP570	Elements of Automatics	13.5	1A
RTU	EEP433	Automated Electrical Drive	4.5	IA
RTU MUST	EEP524 F.EE714	Design of Power Electronics Systems Microprocessors - based Automation Systems	4.5 4.5	1B 2A
MUST	F.EE714 F.EE715	Control Technique with Microprocessor Controllers	4.5	2A
RTU	FEP583	Industrial Frequency Converters and Inverters	10	18
MUST	F.CN725	Basics of Occupational Safety	1.5	24
B Comp	ulsory elective st	webs compresses a	21.0	
	-specific study co		15.0	
RTU	EEP408	Automated Electro technological Processes	3.0	
RTU	EEP430	Industrial Programmable Control Systems	3.0	
RTU	EEP342	Application of Computers in Electrical Equipment Design	3.0	
RTU	EEP319	Methods of Analysis and Calculation of Electronic Circuits	3.0	
RTU	EEP458	Typical Electrical Drive	7.5	
RTU	EEP581	Electro-Magnetic Compatibility in Industrial Electronic Equipment	3.0	1B
RTU	EEP453	Industrial Electronic Equipment	6.0	
RTU	EEP345 EE8162	Unconventional Systems of Energy Conversion and Accumulation	4.5	
KIU	LES162 J.EE702	High Voltage Engineering Semiconductor IC technology	4.5	24
MENT	J FE703	Digital Signal Processing	4.5	2A
MUST	U.SC705	Fundamental of Smart city	3.0	28
MUST		I sciences study courses :	3.0	
MUST MUST	anities and socia			
MUST MUST B2. Hum MUST	U.SC782	Industrial Relations	3.0	
MUST MUST B2. Hum MUST RTU	U.SC782 HSP488	Business Sociology	3.0	
MUST MUST B2. Hum MUST	U.SC782			

		agement study courses :	3.0	
TU	IUE217	Business Economics	3.0	
IUST TU	U.SC783 IRO313	Entrepreneurship Planning and Smart cities. Organization of Production	3.0 3.0	
U	180313	organization of Production	3.6	
Free	lective study co	urses :	6.0	
U.	SDD701	Innovative Product Development and Entrepreneurship	6.0 2B	
	examination :		39.0	
IST	U.SC780	Intenship: Smart city and ICT	9.0 28	
ST	J.EE795	Master Thesis	15.0 28	
U	EE1002	Master Thesis	15.0 2B	
STE	R PROGRAM:			
		SPECIALIZATION COURSES :	91.5	
		A. Compulsory study courses :	64.5	
		B. Compulsory elective study courses :	21.0	
		C. Free elective study courses :	6.0	
		E. FINAL EXAMINATION :	39.0	
		Internship: Master Thesis	9.0 30.0	
		county a most	30.0	
		TOTAL CREDIT :	130.5	
		0		
		БАТЛАВ. ШУТИС-ИЙН РЕКТОР	UNIVERSITY OF SCIDE	Б.ОЧИРБАТ
		монгод	АЗО ТОМНЭЗД ЛСЧН ШИНЖЕЭХ УХААН, ТЕХНОЛОГИЙН ИХ СУ ИНЖЕНЕРИЙН АХИСАН ТҮВШНИЙ СУРГУУЛЬ	тууль
		RIGA FECHICAL UNIVERSITY TIANLEI A	АСТОЛОЧИТСЯ ЛСКИ НИВЕСКАХ УХАЛЬ ТЕХНОЛОГИЙН ИХ СУ ИРБКЕНЕРИЙН АХИСАН ТРУШИЙИЙ СУРГУУЛЬ ИРАМДАХ ЛАТИИ УЛСКИ ТЕХИВИЗИЙН ИХ СУР АЛЬ ХҮРЭЭДЭН БУЙ ОРЧИЫ ИВБСНЕРИЙН ФАС И ТЕХНОЛОГИЙН КОМПЬЮТЕРИЙН ХИНАЛТ. УД "ЭЛЕКТРОНИК" МЭРГЭЖЛИЙН И МАГИСТРЫН СУРГАЛТЫН ТӨЛӨН ИН МАГИСТРЫН СУРГАЛТЫН ТӨЛӨН	УУЛЬ ЛЬТЕТ ИРДЛАГА*

D 2.2. New syllabi developed

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

ô

Mongolian University of Science and Technology

Curriculum development and Registration office

Course title

Course Code

Department

Pre-requisites course

ourse Title Introduction to Occupational Safety				
Course Code	OS	No. of Credits	3	
Department		School	MUST	
Pre-requisites Course Code	none	Co-requisites Course Code		
Course coordinator	T.Uranchimeg	Room number		
Email	Uranchimegtc@must.edu.mn	Telephone No.	80254553	
Other Instructor(s)				
Email	0	Telephone No.		

Course Type Offer in Academic Year

Introduction language

- AIMS AND OBJECTIVE Recognize the in goals of occupati
- Demonstrate a ba . hazards in the we
- Identify a concer ٠ ٠ Relate promotion
- Discuss the roles the conceptual fr

programs.

None ode Primary instructor Luubaatar.B ubaatar@must.edu.mn -mail address Other instructors Total: 144 Learning hours (2:2:0:5) earning Hours Lecture(32 hr), Seminar(32 hr), Assessment (80 hr) Apply theories ar Compulsory DElective Course type Offer in Academic ☑ 1st Semester ☑ 2nd Semester □ Summer □ Year Long Year Introduction language Mongolian or English AIMS AND OBJECTIVES:

MA

Understand structure of 32 bit microcontroller (structure of microcontroller)

Mongolian University of Science and Technology Curriculum development and Registration office

COURSE SYLLABUS

Lecture credit

Co-requisites

Course code

Phone number

School

Microprocessor - based Automation System

SMARTCITY

- Program microcontroller in C and Assembler (program microcontroller)
- Analyze program structure for microcontroller (analyze a code)
- · Evaluate microcontroller based systems performance based on program structure and hardware structure
- Detect bugs of program and prevent from creating bugs.
- Implement microcontroller based system ()
- · Apply control theory and implement it on microcontroller

ESSENTIAL READINGS: (Textbooks, journals, website addresses etc) BIBLIOGRAPHY Joseph Yiu, THE DEFINITIVE GUIDE TO THE ARM® CORTEX-M3

Norman S. Nice CONTROL SYSTEMS ENGINEERING 6th edition



•

Code

SMARTCITY

MUST

8611 1177

□ Selected elective □ Other



Mongolian University of Science and Technology Curriculum development and Registration office



Mongolian University of Science and Technology Curriculum development and Registration office

	COURSE SYLI	LABUS			
Course Title	Digital Signal Processing				
Course code	F.EE703	No. of Credits	3		
Department	Communication	School	SICT of MUST		
Pre-requisites Course Code	None	Co-requisites Course code	None		
Course coordinator	Erdenebayar.L	Room number	212		
Email	erdenebayar.l@must.edu.mn	Telephone No.	91008480		
Other Instructor(s)	None				
Learning Hours	Total: 144 Learning hours (2 Lecture(32 hr), Seminar(16 l		r), Assessment(80 hr)		
Course type	Compulsory DElective	□ Selected el	lective Other		
Offer in Academic Year	Offer in Academic				
Introduction language	Mongolian or English				
AIMS AND OBJECTI	VES:				
 The course aims 	to introduce concepts and me	ethods of DSP.			
 It describe's disc 	rete signals and systems and	their applications.			
 Generate various 	s discrete time signal sequenc	es and perform simr	ale operations to		

- ous discrete time signal sequences and perform simple operation process signal sequence
- · The course covers discrete-time convolution, difference equations, the z-transform and the discrete Fourier transform.
- · Designing of both recursive and non-recursive digital filters.
- · The use of MATLAB and Simulink for examples and reinforcement of comprehension is essential part of the course.

ESSENTIAL READINGS: (Journals, textbooks, website addresses etc.) BIBLIOGRAPHY:

- Oppenheim, Alan V. and Schafer, Ronald W. and Buck, John R., Discrete-Time Signal Processing, 2nd edition, Prentice-Hall, 1999, ISBN: 978-0-137-54920-7.
- Proakis, John G. and Manolakis, Dimitris G., Digital Signal Processing, 4th edition, Prentice-Hall International, 2006, ISBN: 978-0-131-87374-2.
- Hayes, Monson H. Digital signal processing Tata McGraw-Hill edition 2004 COURSE DESCRIPTION



ô

SMARTCITY Innovative Approach Towards a Master



Mongolian University of Science and Technology

Curriculum development and Registration office

	COURSE S	YLLABUS				
Course name Semiconductor Integrated Circuit Technology						
Course code	F.EE702	Course credit	3			
Department	Electronics	School	SICT			
Pre-requisites Course Code	None	Co-requisites Course code	None			
Primary instructor	Zagarzusem Khurelbaatar	Room number	220			
E-mail address	zagarzusem@must.edu.mn	Phone number	-			
Other instructors	None					
other motifictory						

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





Mongolian University of Science and Technology

Curriculum development and Registration office

	COURSE SYLL	ABUS			
Course Title	Fundamental of Smart City				
Course Code	No. of Credits 3				
Department		School	MUST		
Pre-requisites Course Code	none	Co-requisites Course Code			
Course coordinator	G.Zorig	Room number			
Email	gzorig@gmail.com	Telephone No.			
Other Instructor(s)					
Learning Hours Course Type	Lecture (hr), Seminar (hr	otal: Learning hours (2:1:1:5) .ecture (hr), Seminar (hr), Field trip(hr), (hr) 2 Compulsory Elective 2 Compulsory Elective			
Offer in Academic Year	□1 st Semester 2 nd Semest	er 🗆 Summer 🗆	Year Long		
			-		

Introduction language Mongolian or English

AIMS AND OBJECTIVES:

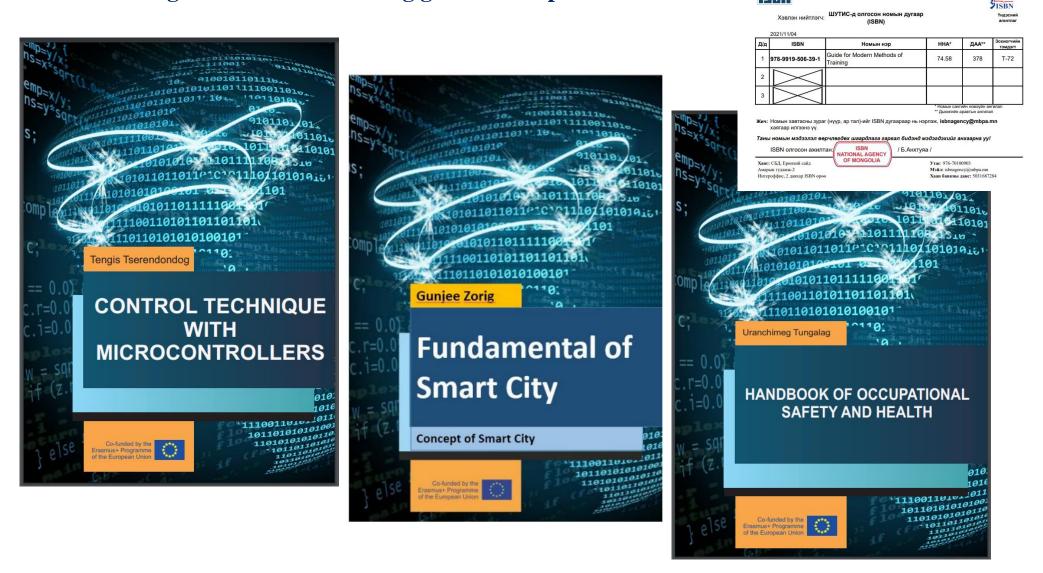
- · Prepare the professionals on Smarts City project management
- · Practical knowledge of Hardware Infrastructure of Smarts City
- · Design and Planning skills of Future City

ESSENTIAL READINGS: (Journals, textbooks, website addresses etc.) BIBLIOGRAPHY:

- M.Barlow and C. Levy-Bencheton. Smart Cities, Smart Future: Showcasing Tomorrow
- Townsend Smart Cities: Big Data, Civic Hackers, and the Quest for a New Utopia
- Gassmann, J.Böhm Smart Cities: Introducing Digital Innovation to Cities
- Smart Ulaanbaatar Program

COURSE DESCRIPTION:

Results **D 3.2. Teaching materials and training guide developed**



ishn

Double Degree Master Program

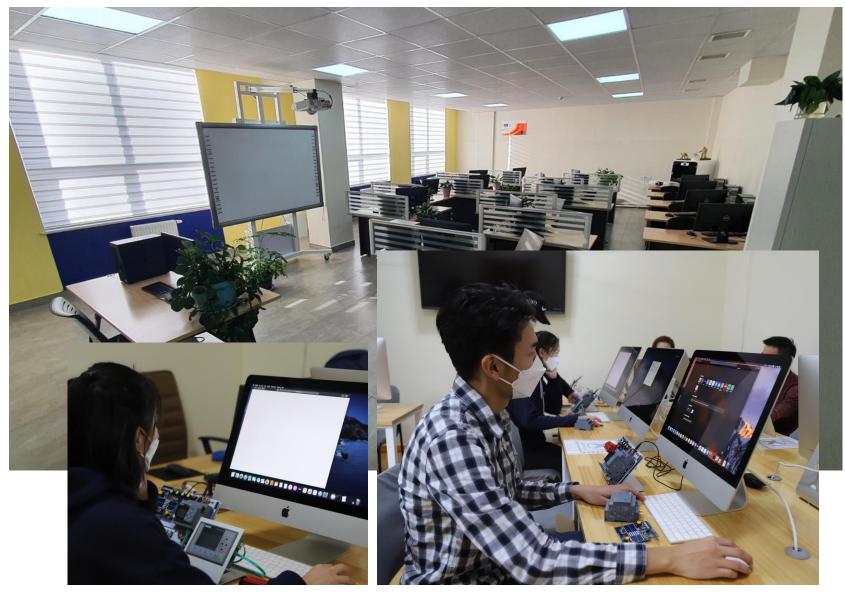
	WP.2: 2.2	WP.3.2, 3.4	WP.4: 4.1, 4.3	WP.5: 5.2, 5.3	WP.6: 6.1,2,3,4	
		D 3.1. Skills upg	raded and metho	odological support	of	
		the teaching pro	cess is ensured			
Download Cascade Traini <u>CT1-3.2-CascadeTrainingR</u> Download Cascade Traini	Report-MUST.Teachers			Summer School "Sma Tomorrow" at Novosil University, Novosibirs July 1-5, 2019	birsk State Technical	
CT2-3.2 Cascade training te	eacher's-2			Summer School – 26-3 University is the found		
Download Cascade Traini <u>CT-3.2 Cascade training tea</u>	C			Al-Farabi Kazakh National University, Almat Kazakhstan		
Download Cascade Traini	ng:			Summer School:		
CT-3.4 Cascade Training Re	eport- W.P3.4-MUST-N	<u>lovosibirsk</u>		25-29 October, 2021		
Download Cascade Trainin CT-3.4 Cascade Training Re Dian University C	eport - W.P 3.4-MUST			Mongolian University o Technology & National Mongolia, Ulaanbaatar,	University of	

Double Degree Master Program





WP.5.3. Open research laboratory: "Smart city technologies"



Location: Room 701, Research and Innovation Center building, Graduate School of Engineering, MUST



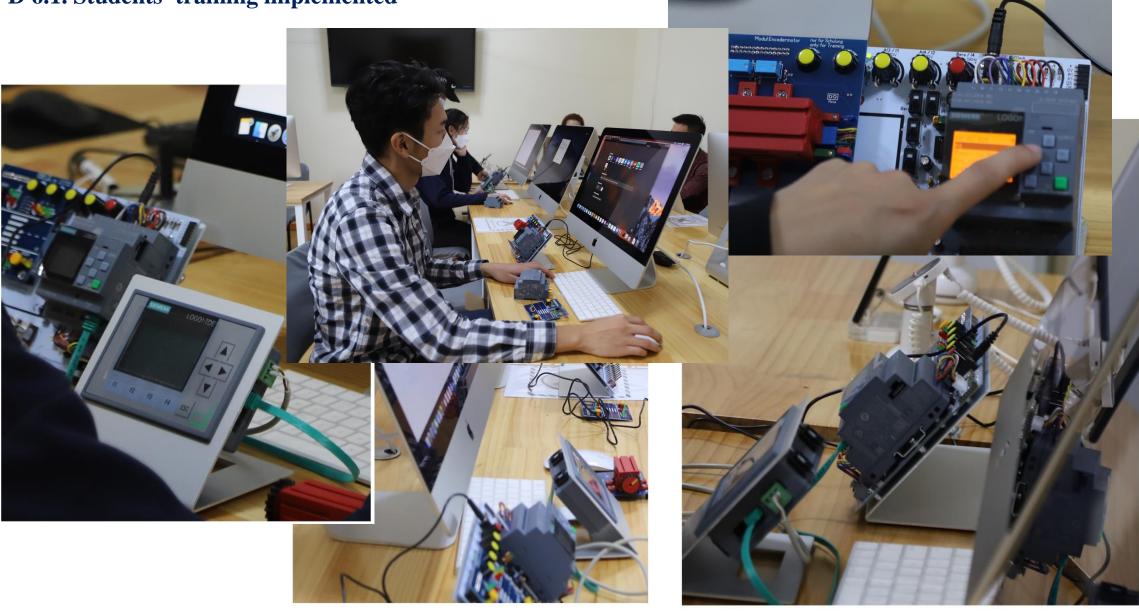


WP.5.3. Open research laboratory: "Smart city technologies"



WP.5.3. Open research laboratory: "Smart city technologies"







Double Degree Master Program

 WP.1: 1.2
 WP.2: 2.2
 WP.3: 3.2, 3.4
 WP.4: 4.1, 4.3
 WP.5: 5.2, 5.3
 06



D 5.1. PC universities staff upgraded in e-learning and new technologies D 5.2. IHLS in operation, equipped (an innovative approach to teaching includes web-portal, remote/virtual labs, e-learning, access to the EU databases)



Double Degree Master Program



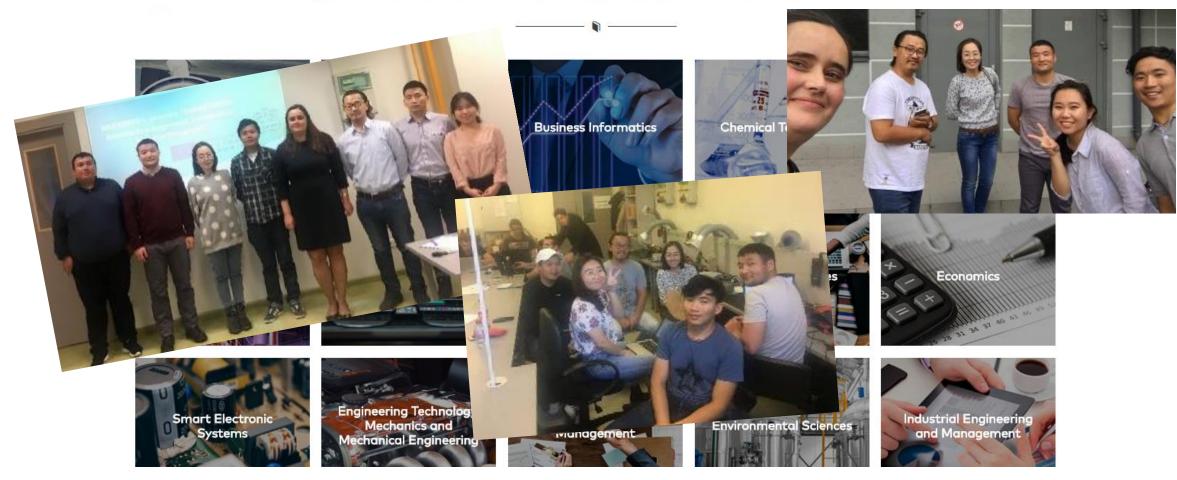


DDMP on SCT /2019-2020 Academic Year/

UNIVERSITY DEGREE STUDIES EXCHANGE STUDIES SHORT-TERM STUDIES PRACTICAL MATTERS CONTACT US ALUMNI

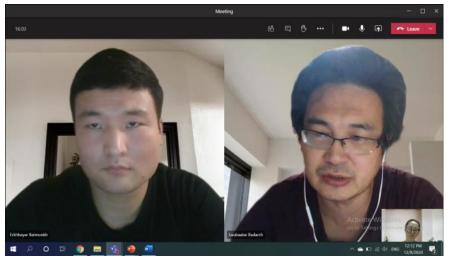
Q,

MASTER STUDY PROGRAMMES IN ENGLISH

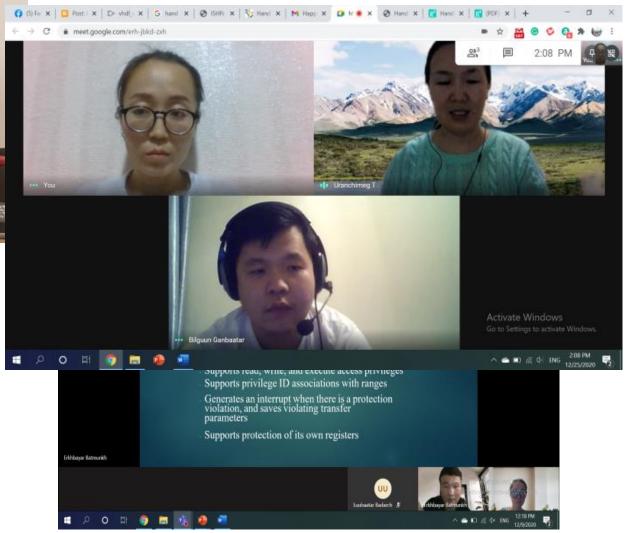








DDMP on SCT /2020-2021 Academic Year/



Double Degree Master Program

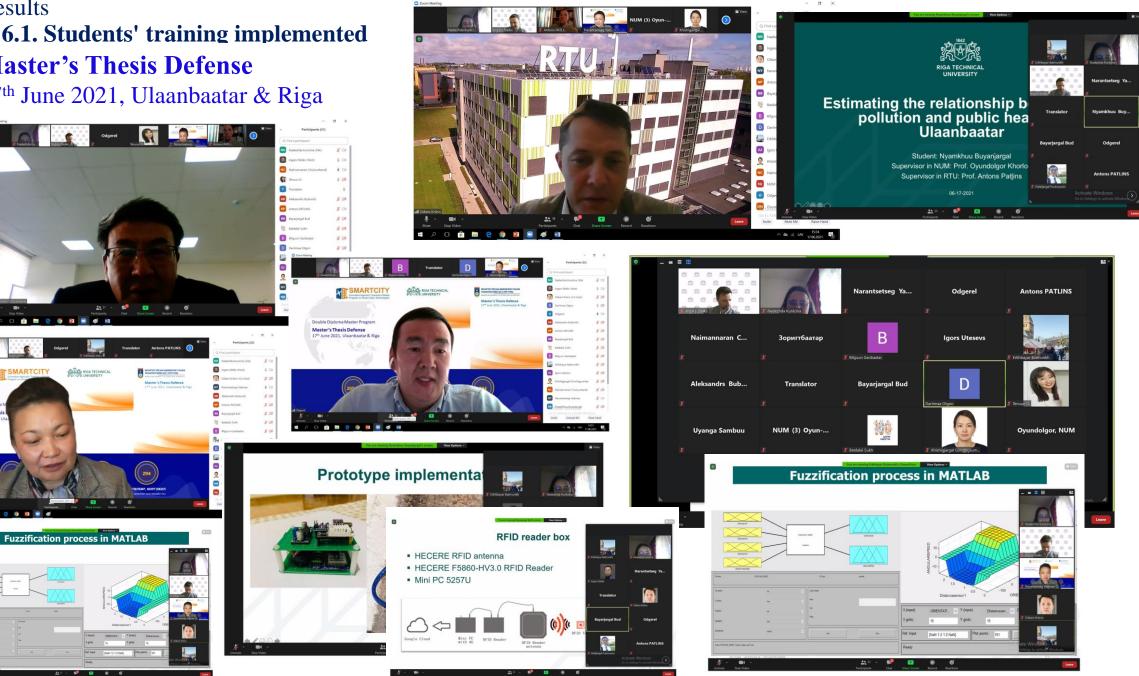
	WP.1: 1.2	WP.2: 2.2	WP.3: 3	3.2, 3.4	WP.4: 4.1, 4.3	WP.5: 5.2, 5.3	WP.6: 6.1,2,3,4
ECTS	Credit, Grade transfer list	Confirmation of credit transfer I UNIMIS, UNILMS	list		in quality assura		
ECTS	Academic transcript /GPA/	Confirmation of academic trans Program Committee GSE & SIG Program Committee of MUST Academic Council of MUST Board Meeting	-	D 4.2. QAS and u D 4.3.QAS in op Standards and Guidelines for Quality Assurance in the		http://www.smartc	ity.edu.mn/Documents
	International research conference Ulaanbaatar, Mongolia 07 May 2021	 "Best paper awards-2021" C of Master and PhD students IEEE Electronic Publication Receipt 		Area (I	an Higher Educatior ESG) itation with ASIIN -	Co-funded by the Erramus+ Programme of the European Union CBHE Joint Project 598317 SMARTCITT	Sinnovative Approach towards a Master Program Ties Technologies
	Master defense Ulaanbaatar, Mongolia Riga, Latvia 17 June 2021	MUST Database, Main library of Master Thesis: Tenuun.D, "Charging and disch electrochemical battery in reside storage" Batmunkh.E, "Development of bench with different control sys Bilguun.G, "Automated trash bi development for Intelligent Was Management System in Smart O	narging ential energy robot test- stems" in ste	Institut MNCE Nation	Programmes, ions and Systems A: Mongolian al Council for ion Accreditation	N° Activities carried out to date to achieve this	result:

Results D 6.1. Students' training implemented **Master's Thesis Defense**

17th June 2021, Ulaanbaatar & Riga

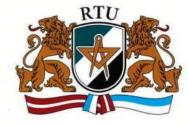
4

Master's Thesi 17th June 2021, U



D 6.1. Students' training implemented

RĪGAS TEHNISKĀ UNIVERSITĀTE



MAĢISTRA DIPLOMS

Sērija MDE Nr. 4785 *

Ar Elektrotehnikas un vides inženierzinātņu fakultātes domes 2021. gada 29.jūnija lēmumu Nr. 124 According to decision No. 124, June 29, 2021, made by the Council of the Faculty of Electrical and Environmental Engineering

Bilguun Ganbaatar

personas kods / personal ID number 327057-52402

ieguvis

inženierzinātnu MAGISTRA GRĀDU elektrozinātnē

is awarded

MASTER DEGREE of Engineering Sciences in Electrical Science

Rector

incil Chairman

2021. gada 9.jūlijā

Electrica

Engineering

Rīgā

domes

and

Reģistrācijas Nr. 020-251

elektrotehnikas priekšsēdētājs of the Faculty of Environmental

> Riga July 9, 2021

Oskars Krievs cal

Registration No. 020-251

Ar Elektrotehnikas un vides inženierzinātņu fakultātes domes 2021. gada 29.jūnija lēmumu Nr. 124 ccording to decision No. 124, June 29, 2021, made by cil of the Faculty of Electrical and Environmental Engineering

Erkhbayar Batmunkh

personas kods / personal ID number 327568-00072

> ieguvis inženierzinātņu MAGISTRA GRĀDU

> > elektrozinātnē

is awarded

MASTER DEGREE of Engineering Sciences in Electrical Science

Leonīds Ribickis



Riga July 9, 2021 Registration No. 020-247 ktrotehnikas un vides inženierzinātņu fakultātes omes 2021. gada 29.jūnija lēmumu Nr. 124 ling to decision No. 124, June 29, 2021, made by the Faculty of Electrical and Environmental Engineering

Tenuun Dovdon

ersonas kods / personal ID number 326285-35585

ieguvusi

inženierzinātņu MAGISTRA GRĀDU elektrozinātnē

is awarded

MASTER DEGREE of Engineering Sciences in Electrical Science

ctor



elektrotehnikas un Oskars Krievs domes priekšsēdētājs airman of the Faculty of and Environmental Riga July 9, 2021 ada 9.jūlijā ācijas Nr. 020-250 Registration No. 020-250



eonīds Ribickis 's /Rector

tikas ites

un domes il Chairman of the Faculty of

and ering īgā 021. gada 9.jülijä

eģistrācijas Nr. 020-247

EPI2IPE		
اللا مر مدید الم مدار مدار مدار مدار مدار مدار مدار مدا	المحاليات المح	
	илоно со	
	שישיים אל האומנות אינו אינו אינו אינו אינו אינו אינו אינו	
		X





f 🍠 G+ 🎯 in

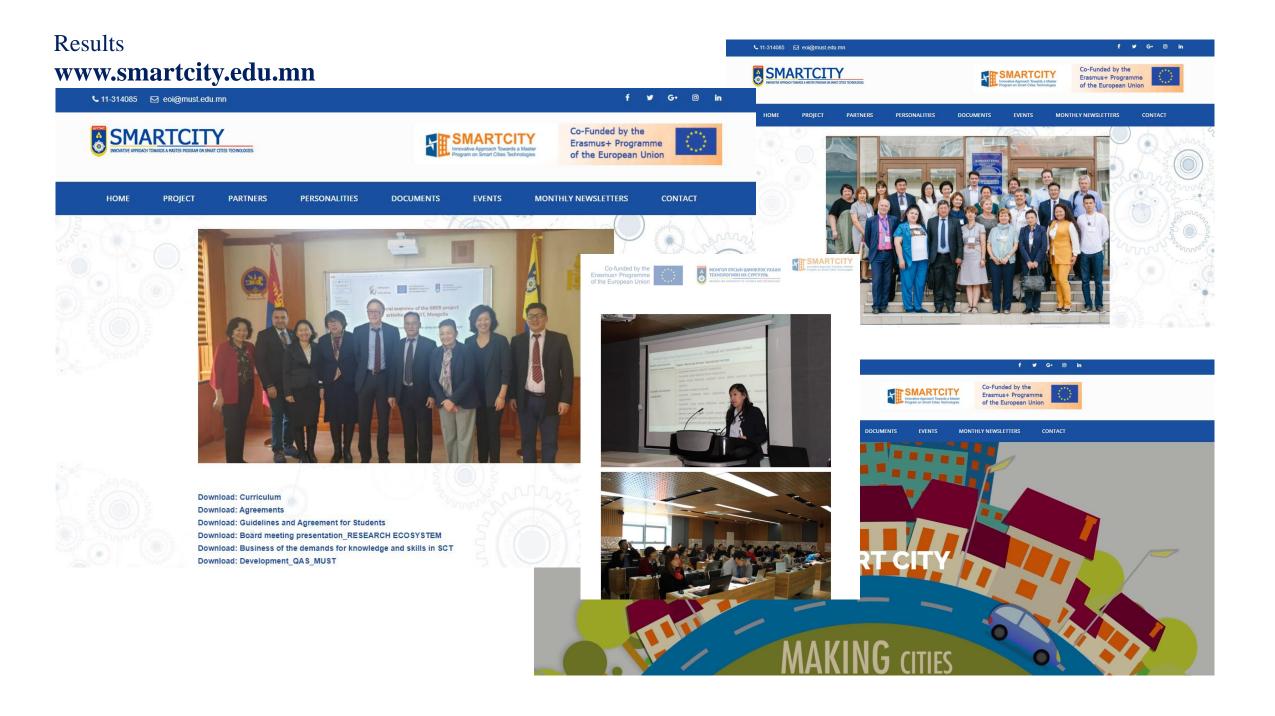




Co-Funded by the Erasmus+ Programme of the European Union



www.smartcity.edu.mn



8.7. Virtual Excellence Center

L 11-314085 ☑ eoi@must.edu.mn

f 🍠 G+ 🎯 in





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



HOME PROJECT PARTNERS PERSONALITIES DOCUMENTS EVENTS MONTHLY NEWSLETTERS C





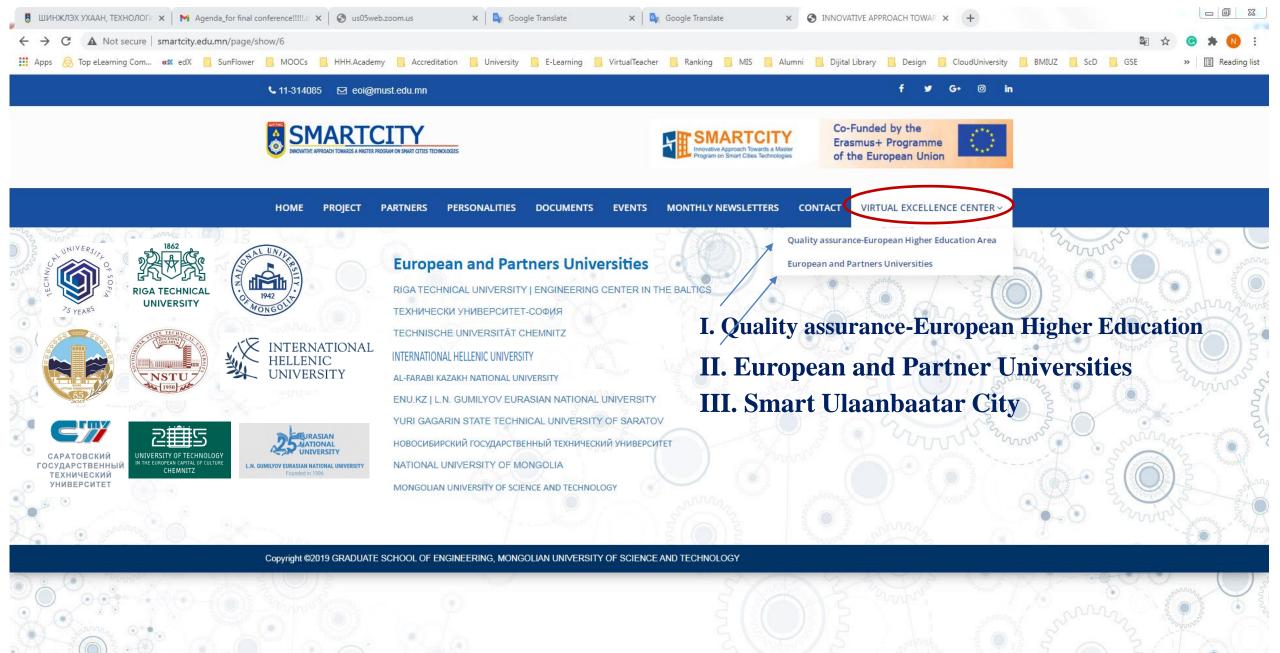
Quality assurance-European Higher Education Area

https://www.eqar.eu/kb/esg/

https://ec.europa.eu/assets/eac/education/ects/users-guide/quality_assurance_en.htm https://ec.europa.eu/education/policies/school/quality-assurance_en https://www.enqa.eu/wp-content/uploads/2015/11/ESG_2015.pdf https://www.enqa.eu/wp-content/uploads/2015/11/ESG_2015.pdf https://www.enqa.eu/wp-content/uploads/2015/11/ESG_2015.pdf I. Quality

I. Quality assurance-European Higher Education II. European and Partner Universities III. Smart Ulaanbaatar City

Copyright ©2019 GRADUATE SCHOOL OF ENGINEERING, MONGOLIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY



du.mn/page/show/64

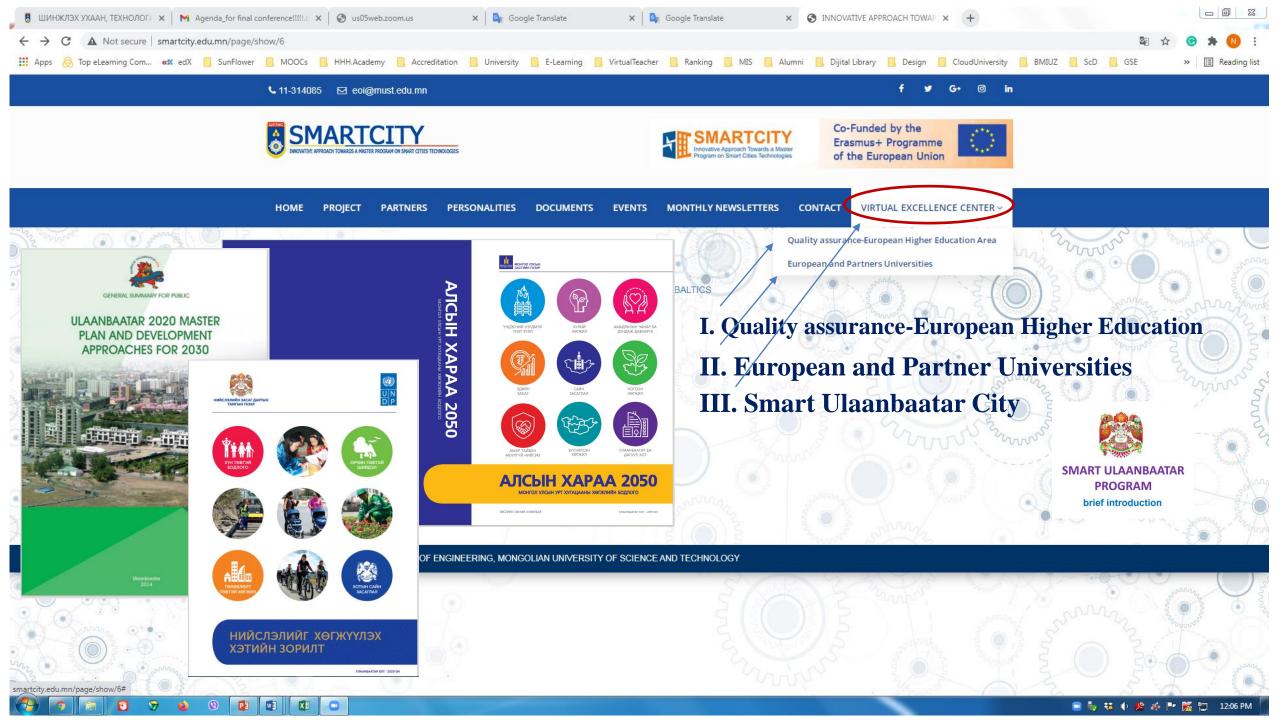
0

 $\overline{\nabla}$

PE

w

😑 🧄 👯 🌵 🧏 🍻 🏴 🧏 📜 12:06 PM







Virtual Excellence Center

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







САРАТОВСКИЙ ГОСУДАРСТВЕННЫЙ ТЕХНИЧЕСКИЙ УНИВЕРСИТЕТ















L.N. GUMILYOV EURASIAN NATIONAL UNIVERSITY Founded in 1996