# Study plan

## Name of study plan: Electronics and Communications - Communication Networks and Internet

Faculty/Institute/Others: Faculty of Electrical Engineering Department: Branch of study guaranteed by the department: Welcome page Garantor of the study branch: Program of study: Electronics and Communications Type of study: Follow-up master full-time Required credits: 109 Elective courses credits: 11 Sum of credits in the plan: 120 Note on the plan:

Name of the block: Compulsory courses in the program Minimal number of credits of the block: 79 The role of the block: P

Code of the group: 2018 MEKDIP Name of the group: Diploma Thesis Requirement credits in the group: In this group you have to gain 25 credits Requirement courses in the group: In this group you have to complete 1 course Credits in the group: 25 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
BDIP25	Diploma Thesis	Z	25	22s	L	Р

## Characteristics of the courses of this group of Study Plan: Code=2018\_MEKDIP Name=Diploma Thesis

BDIP25	Diploma Thesis	Z	25			
Independent final comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or her branch of study, which will						
be specified by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensive final examination.						

## Code of the group: 2018\_MEKP5

Name of the group: Compulsory subjects of the programme Requirement credits in the group: In this group you have to gain 54 credits Requirement courses in the group: In this group you have to complete 9 courses Credits in the group: 54 Specializace komunikační sítě a Internet Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B2M32BTSA	<b>Wireless Technologies</b> Zden k Be vá , Lukáš Vojt ch, Zbyn k Kocur, Pavel Mach <b>Ján Ku erák</b> Zden k Be vá (Gar.)	Z,ZK	6	2P + 2L	L	Р
B2M37DKM	<b>Digital communications</b> Jan Sýkora <b>Jan Sýkora</b> Jan Sýkora (Gar.)	Z,ZK	6	3P+1C	Z	Р
B2M37MAM	Microprocessors Petr Skalický, Stanislav Vítek Stanislav Vítek (Gar.)	Z,ZK	6	2P+2L	Z	Р
B2M32OSS	<b>Optical Systems and Networks</b> Ji í Weiss, Leoš Bohá <b>Michal Lucki</b> Leoš Bohá (Gar.)	Z,ZK	6	2P + 2L	L	Р
B2M31DSP	Advanced DSP methods Pavel Sovka, Petr Pollák <b>Pavel Sovka</b> Pavel Sovka (Gar.)	Z,ZK	6	2P+2C	Z,L	Р

B2M32PST	Advanced Networking Technologies Leoš Bohá Zbyn k Kocur Leoš Bohá (Gar.)	Z,ZK	6	2P + 2C + 4D	Z	Р
B2MPROJ6	Project Ji í Jakovenko, Pavel Máša, Ivan Pravda, František Rund, Jan Šístek, Lubor Jirásek, Tomáš Zeman, Ladislav Oppl <b>František Rund</b> František Rund (Gar.)	Z	6	0p+6s	Z,L	Р
B2M32PRSA	Access Networks Tomáš Zeman, Ji í Vodrážka, Pavel Lafata Petr Jareš Ji í Vodrážka (Gar.)	Z,ZK	6	2P + 2L	Z	Р
B2M32RTK	Telephony Communication Control Robert Beš ák, Pavel Troller Robert Beš ák Robert Beš ák (Gar.)	Z,ZK	6	2P + 2L	L	Р
Characteristics of the	courses of this group of Study Plan: Code=2018_MEKP5 Nam	e=Compulso	ry subje	ects of the	progra	mme
	eless Technologies	•		1	.ZK	6
					,	° I
•	fundamental principles of wireless networks in various areas of their application. Stuc				•	
•	s and learn how these technologies can be exploited in real world applications. The go	al is to teach stud	ents how t	o solve proble	ems related	to deployment
of wireless networks, their op	eration or development of wireless networks components.					
B2M37DKM Dig	ital communications			Z	,ZK	6
The course provides fundame	entals of digital communications theory: modulation, classical coding, channel models,	, and basic princip	oles of dec	oding. The ex	position is	systematically
built along the theoretical line	s which allow to reveal all inner connections and principles. This allows students to de	velop the knowled	dge and us	e it in an acti	ve way in a	design and
construction of the communic	ation systems. The course provides a necessary fundamental background for subseq	uent more advand	ced commu	inications the	ory course	S.
B2M37MAM Mic	roprocessors			Z	.ZK	6
	acquainted with the properties of microprocessor systems, make students familiar with	n on-chip periphe	rals, conne	ct external ci	cuit to the	processor bus,
	e memory or I/O space address extension. Next, taught the students to make simple					
both. After completion of this	subject student should be able to design and implement simpler microprocessor syste	em including conn	ection of n	ecessary per	ipherals an	d software
design.		U		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
B2M32OSS Opt	tical Systems and Networks			7	,ZK	6
I I	e of optical radiation for the transmission of information. The aim is to acquaint studen	ts with the functio	ns of impo	1	·	-
	ns and networks. Students will learn how to design practical optical fiber link and the r					
	I photonic networks in the future, which will be based on a combination of wavelength					
	/anced DSP methods				,ZK	6
	course in signal processing and introduces advanced methods of analysis and digital s		Graduates	1	' I	-
	cally use them. They learn to know the conditions of use of correlation, spectral and c					° °
				• •		
• ·	ition and independent component analysis and the time-frequency transformations. Er	npriasis will be pla	aced on ar	ability to inte	ipret the re	suits of signal
analyses.					714	
	vanced Networking Technologies				,ZK	6
	echnologies expands students' knowledge of modern network technologies. The cours					
· · · · ·	as used in modern data networks of today and tomorrow. Students will gain practical e	•				
	Pv6, and MPLS networks. Part of the course is also devoted to a detailed explanation	of transport proto	cols TCP/L	JDP and a ma	anner in wh	ich software
	sportation services of TCP/IP data networks.					
B2MPROJ6   Pro	ject				Z	6
	of a project. A student will choose a topic from a range of topics related to his or her l				branch de	partment or
branch departments. The pro	ject will be defended within the framework of a subject. Project list http://www.fel.cvut.o	cz/en/education/s	emestral-p	rojects.html		
B2M32PRSA Acc	cess Networks			Z	,ZK	6
The course covers the area o	f high-speed transmission of information in the access network level, with emphasis o	n the use of optic	al transmis	sion media a	nd its comb	ination with
metallic lines (FTTx). In the p	ractical part, students will learn the methods required for the design, modeling, measu	rement and analy	sis of trans	smission med	ia, diagnos	tics of systems
and whole access networks.						
B2M32RTK Tele	ephony Communication Control			Z	,ZK	6
The course is oriented to aud	io or video issues in telecommunication networks, both fixed and mobile. Students will	learn principles of	fswitching	systems and	their mana	gement as well
as the course will provide the	m with an overview of signaling systems in central exchanges and networks. The focus	s is on digital swite	hina svste	ms as circuit	as nacket s	witch oriented
is as called next generation			5.,		uo puonor c	witch onenica, j
i.e. so-called next generation	network (NGN) and voice communication in 4G networks. (VoLTE).		5-9-			witch offerfield,

## Name of the block: Compulsory elective courses Minimal number of credits of the block: 30 The role of the block: PV

Code of the group: 2018\_MEKPV5

Name of the group: Compulsory subjects of the programme

Requirement credits in the group: In this group you have to gain 30 credits Requirement courses in the group: In this group you have to complete 5 courses Credits in the group: 30

# Note on the group:

Specializace komunikační sítě a Internet

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B2M32DMT	Diagnostics and Measurement in Telecommunications Zbyn k Kocur, Ji í Vodrážka Petr Jareš Ji í Vodrážka (Gar.)	Z,ZK	6	2P+2L	L	PV
B2M32DSAA	Network Application Diagnostics Radek Ma ík Radek Ma ík Radek Ma ík (Gar.)	Z,ZK	6	2P + 2C	Z	PV

B2M32DSVA	Distributed Computing Peter Macejko Peter Macejko (Gar.)	Z,ZK	6	2P + 2C	Z	PV
B2M32IBEA	Information Security Tomáš Van k Petr Hampl Leoš Bohá (Gar.)	Z,ZK	6	2P + 2C	L	PV
B2M37KASA	Compression of images and signals Stanislav Vitek, František Rund, Karel Fliegel, Václav Vencovský <b>Karel Fliegel</b> Stanislav Vítek (Gar.)	Z,ZK	6	2P+2C	L	PV
B2M32MKSA	Mobile Networks Zden k Be vá, Pavel Mach, Robert Bešák Pavel Mach Zden k Be vá (Gar.)	Z,ZK	6	2P + 2L	Z	PV
B2M32THOA	Queueing Theory Petr Hampl Petr Hampl (Gar.)	Z,ZK	6	3P + 1L	Z	PV
B2M31ZRE	Speech Processing Petr Pollák Petr Pollák Petr Pollák (Gar.)	Z,ZK	6	2P+2C	L	PV
Characteristics of the	courses of this group of Study Plan: Code=2018_MEKPV5 Nai	me=Compuls	sory sub	jects of th	ne progra	amme
î	gnostics and Measurement in Telecommunications	•			.ZK	6
	dge of basic types of interfaces used in telecommunications (from classic, via a packe	t-oriented and ex	nected fut	· · · · ·	' I	-
-	s, presents tools for the monitoring and measurement methodology and fault diagnosis		-	-		-
	d advanced measurement techniques.	3. Oludenits verily	acquireur	inowiedge to j		
				7	71/	6
	work Application Diagnostics				,ZK	6
	eals with complex network structures, their characteristics identification, with recognitic					
	the course is focused on specification methods of static and dynamic behavior and the					-
	ion issues. The special treatment is dedicated not only to network and cloud application	ons, but also to po	osidilities of	diagnostic pr	ocess auto	nation. The
-	in seminars where they solve practical problems in digital network domain.				71/	
	tributed Computing				,ZK	6
	nnologies that support distributed computing: on mechanisms ensuring reliable, efficie				-	
	channels and up-to-date middleware technologies. A significant part of lectures is ded	icated to distribut	ed algorith	ms that assur	e causality,	exclusive
	voidance, fault-tolerance, mobile computing, and security.					
	rmation Security				,ZK	6
-	se provides a complete source of information on the field of security of information sys			-		-
	I, stored in electronic form so information security is very important part of it. Technica	I background for	information			
	npression of images and signals		<i>.</i>	· · · · ·	,ZK	6
	ession methods and techniques. Main goal is to introduce basic concepts of lossless an					
	boratory exercises students will work with implementations of particular algorithms, in	icluding objective	and subje			
	bile Networks			· · ·	,ZK	6
	bles and functionalities of mobile networks with special focus on currently deployed tec	-				architecture
	f GSM, UMTS, LTE/LTE-A, and 5G will be explained. Then, selected key technologies	for future mobile	networks (	·		
	eueing Theory			· · · · ·	,ZK	6
	esent an overview of dimensioning of telecommunication networks on the basis of res	-		-	-	
-	etworks, both from the point of view of grade of service (GoS) and quality of service (					-
	orks being currently operated and developed. Theoretical knowledge about models of s	service systems of	an be appl	ied on dimens	sioning of di	fferent service
	on the telecommunications one.					
	eech Processing				,ZK	6
The subject is devoted to bas	is of speech processing addressed to students of master program. Discussed speech	technology is cu	rrently app	lied in many s	systems in c	ifferent fields
	tems, voice controlled devices, dictation systems or transcription of audio-video record		0 0	. ,		
	s (spectral analysis, LPC, cepstral analysis, pitch, formants, etc.), principles of speech					l and large
	aker recognition (based on VQ and GMM), speech synthesis or speech enhancement					
	yu/ae2m31zre>http://noel.feld.cvut.cz/vyu/ae2m31zre. Pro zapsané stude	nty jsou detailní i	nformace r	ia výukovém p	portálu <a< td=""><td></td></a<>	
href=https://moodle.fel.cvut.cz	z>Moodle FEL.					
Name of the block	c Elective courses					

Name of the block: Elective courses Minimal number of credits of the block: 0 The role of the block: V

Code of the group: 2018\_MEKH Name of the group: Humanities subjects Requirement credits in the group: Requirement courses in the group: Credits in the group: 0 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B0M16FIL	Peter Zamarovský Peter Zamarovský Peter Zamarovský (Gar.)	Z,ZK	5	2P+2S	Z,L	V
B0M16HVT	History of science and technology 2 Marcela Efmertová, Jan Mikeš Marcela Efmertová Marcela Efmertová (Gar.)	Z,ZK	5	2P+2S	Z,L	V

B0M16HSD1	History of economy and social studies Marcela Efmertová	Z,ZK	5	2P+2S	Z,L	V
B0M16PSM	<b>Psychology</b> Jan Fiala <b>Jan Fiala</b> Jan Fiala (Gar.)	Z,ZK	5	2P+2S	Z,L	V
A003TV	Physical Education	Z	2	0+2	L,Z	V
B0M16TEO	Theology Vladimír Sláme ka Vladimír Sláme ka Vladimír Sláme ka (Gar.)	Z,ZK	5	2P+2S	Z,L	V

### Characteristics of the courses of this group of Study Plan: Code=2018\_MEKH Name=Humanities subjects

B0M16FIL		Z,ZK	5
B0M16HVT	History of science and technology 2	Z,ZK	5
This subject traces hi	storical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate s	tudents' interest in	n the history and
traditions of the subje	ct, while highlighting the developments in technical education and professional organizations, the process of shaping scientific	life and the influe	nce of technical
engineers			
B0M16HSD1	History of economy and social studies	Z,ZK	5
This subject deals wit	h the history of the Czech society in the 19th - 21th centuries. It follows the forming of the Czech political representation, its air	ns and achieved r	esults as well as
the social and cultura	I development and coexistence of the various ethnical groups in the Czech countries.		
B0M16PSM	Psychology	Z,ZK	5
A003TV	Physical Education	Z	2
B0M16TEO	Theology	Z,ZK	5
This subject provides	to students the basic orientation in christian theology and requires no special previous education. After short philosophic lectu	re the basic theol	ogic disciplines
are gone through. The	subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones	s who want to get l	know Christianity
- religion from which g	graws our civilization up.		

## Code of the group: MTV Name of the group: Physical education Requirement credits in the group: Requirement courses in the group: Credits in the group: 0 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
TVV	Physical education	Z	0	0+2	Z,L	V
A003TV	Physical Education	Z	2	0+2	L,Z	V
TV-V1	Physical education	Z	1	0+2	Z,L	V
TVV0	Physical education	Z	0	0+2	Z,L	V
TVKLV	Physical Education Course	Z	0	7dní	L	V
TVKZV	Physical Education Course	Z	0	7dní	Z	V

#### Characteristics of the courses of this group of Study Plan: Code=MTV Name=Physical education

A003TV	Physical Education	Z	2
TVV	Physical education	Z	0
TV-V1	Physical education	Z	1
TVV0	Physical education	Z	0
TVKLV	Physical Education Course	Z	0
TVKZV	Physical Education Course	Z	0

Code of the group: 2018\_MEKVOL Name of the group: Elective subjects Requirement credits in the group: Requirement courses in the group: Credits in the group: 0 Note on the group: ~Nabíc http://w

~Nabídku volitelných předmětů uspořádaných podle kateder najdete na webových stránkách http://www.fel.cvut.cz/cz/education/volitelne-predmety.html\\

# List of courses of this pass:

Code	Name of the course	Completion	Credits					
A003TV	Physical Education	Z	2					
B0M16FIL		Z,ZK	5					
B0M16HSD1	History of economy and social studies	Z,ZK	5					
This subject deals with the history of the Czech society in the 19th - 21th centuries. It follows the forming of the Czech political representation, its aims and achieved results as well a the social and cultural development and coexistence of the various ethnical groups in the Czech countries.								
B0M16HVT	History of science and technology 2	Z,ZK	5					
This subject traces	historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate stude	ents' interest in the	history and					
traditions of the sub	ject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life engineers	and the influence	of technical					
B0M16PSM	Psychology	Z,ZK	5					
B0M16TEO	Theology	Z,ZK	5					
	es to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture i	•	•					
	he subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones wh - religion from which graws our civilization up.	-	Christianity					
B2M31DSP	Advanced DSP methods	Z,ZK	6					
	the basic course in signal processing and introduces advanced methods of analysis and digital signal processing. Graduates will learn							
	le to practically use them. They learn to know the conditions of use of correlation, spectral and coherent analysis of random signals. Iecomposition and independent component analysis and the time-frequency transformations. Emphasis will be placed on an ability to							
	analyses.							
B2M31ZRE	Speech Processing	Z,ZK	6					
-	ted to basis of speech processing addressed to students of master program. Discussed speech technology is currently applied in m							
	logue systems, voice controlled devices, dictation systems or transcription of audio-video recordings, support for language teaching, ech analysis (spectral analysis, LPC, cepstral analysis, pitch, formants, etc.), principles of speech recognition (GMM-HMM, ANN-HM							
	lary recognizers), speaker recognition (based on VQ and GMM), speech synthesis or speech enhancement. Further information car		ana largo					
	pel.feld.cvut.cz/vyu/ae2m31zre>http://noel.feld.cvut.cz/vyu/ae2m31zre. Pro zapsané studenty jsou detailní informace na		<a< td=""></a<>					
	href=https://moodle.fel.cvut.cz>Moodle FEL.							
B2M32BTSA	Wireless Technologies	Z,ZK	6					
-	verview of fundamental principles of wireless networks in various areas of their application. Students will understand architecture, pr							
different wireless te	chnologies and learn how these technologies can be exploited in real world applications. The goal is to teach students how to solve p of wireless networks, their operation or development of wireless networks components.	roblems related to	deployment					
B2M32DMT	Diagnostics and Measurement in Telecommunications	Z,ZK	6					
The subject builds	on knowledge of basic types of interfaces used in telecommunications (from classic, via a packet-oriented and expected future gen		plains the					
importance of ke	y parameters, presents tools for the monitoring and measurement methodology and fault diagnosis. Students verify acquired knowle laboratory to real systems and advanced measurement techniques.	dge to practical tas	sks in the					
B2M32DSAA	Network Application Diagnostics	Z,ZK	6					
	ne course deals with complex network structures, their characteristics identification, with recognition of both structural static and dyn		1					
	nd part of the course is focused on specification methods of static and dynamic behavior and their verification. The use of the methods							
dealing with netwo	rk application issues. The special treatment is dedicated not only to network and cloud applications, but also to posibilities of diagno	stic process auton	nation. The					
	students gain sufficient skills in seminars where they solve practical problems in digital network domain.	1						
B2M32DSVA	Distributed Computing	Z,ZK	6					
	sed on technologies that support distributed computing: on mechanisms ensuring reliable, efficient and secure connection of applica							
Interfaces of com	munication channels and up-to-date middleware technologies. A significant part of lectures is dedicated to distributed algorithms tha access, deadlock detection/avoidance, fault-tolerance, mobile computing, and security.	it assure causality,	exclusive					
B2M32IBEA	Information Security	Z,ZK	6					
	curity course provides a complete source of information on the field of security of information systems and information technologies. T		1					
	, transferred, stored in electronic form so information security is very important part of it. Technical background for information secur		-					
B2M32MKSA	Mobile Networks	Z,ZK	6					
	uce principles and functionalities of mobile networks with special focus on currently deployed technologies and future mobile network							
	nental principles of GSM, UMTS, LTE/LTE-A, and 5G will be explained. Then, selected key technologies for future mobile networks (	, .						
B2M32OSS	Optical Systems and Networks	Z,ZK	6					
	ith the use of optical radiation for the transmission of information. The aim is to acquaint students with the functions of important con nication systems and networks. Students will learn how to design practical optical fiber link and the network. Students will receive the	•						
	mentation of a all-optical photonic networks in the future, which will be based on a combination of wavelength multiplex with an all-o							
B2M32PRSA	Access Networks	Z,ZK	6					
	the area of high-speed transmission of information in the access network level, with emphasis on the use of optical transmission m							
metallic lines (FTTx	). In the practical part, students will learn the methods required for the design, modeling, measurement and analysis of transmission and whole access networks.	media, diagnostics	s of systems					
B2M32PST	Advanced Networking Technologies	Z,ZK	6					
	Network Technologies expands students' knowledge of modern network technologies. The course is practically oriented and focused		1					
	protocols as used in modern data networks of today and tomorrow. Students will gain practical experience with the issues like Inter	-						
networks, multicas	t routing, IPv6, and MPLS networks. Part of the course is also devoted to a detailed explanation of transport protocols TCP/UDP and	d a manner in whic	h software					
	applications can access transportation services of TCP/IP data networks.							

DOM AD DTI			
B2M32RTK	Telephony Communication Control	Z,ZK	6
The course is oriented to audio or video issues in telecommunication networks, both fixed and mobile. Students will learn principles of switching systems and their management as well			
as the course will provide them with an overview of signaling systems in central exchanges and networks. The focus is on digital switching systems as circuit as packet switch oriented,			
i.e. so-called next generation network (NGN) and voice communication in 4G networks. (VoLTE).			
B2M32THOA	Queueing Theory	Z,ZK	6
The aim of the course is to present an overview of dimensioning of telecommunication networks on the basis of results of the queuing theory (QT) and to introduce possibilities of			
simulation and modelling of networks, both from the point of view of grade of service (GoS) and quality of service (QoS). Results of the QT are applied on different service systems			
and telecommunication networks being currently operated and developed. Theoretical knowledge about models of service systems can be applied on dimensioning of different service			
systems in real life - not only on the telecommunications one.			
B2M37DKM	Digital communications	Z,ZK	6
The course provide	s fundamentals of digital communications theory: modulation, classical coding, channel models, and basic principles of decoding. Th	ne exposition is sys	tematically
built along the theoretical lines which allow to reveal all inner connections and principles. This allows students to develop the knowledge and use it in an active way in a design and			
construction of the communication systems. The course provides a necessary fundamental background for subsequent more advanced communications theory courses.			
B2M37KASA	Compression of images and signals	Z,ZK	6
The subject deals with compression methods and techniques. Main goal is to introduce basic concepts of lossless and lossy compression of audiovisual information (entropy, redundancy			
and irrelevancy). Within the laboratory exercises students will work with implementations of particular algorithms, including objective and subjective methods of quality evaluation.			
B2M37MAM	Microprocessors	Z,ZK	6
The aim is to make students acquainted with the properties of microprocessor systems, make students familiar with on-chip peripherals, connect external circuit to the processor bus,			
and with implementation of the memory or I/O space address extension. Next, taught the students to make simple program in the assembly language, C language and combination of			
•		0 0	
•	etion of this subject student should be able to design and implement simpler microprocessor system including connection of necessa	0 0	
•		0 0	
•	etion of this subject student should be able to design and implement simpler microprocessor system including connection of necessa	0 0	
both. After compl B2MPROJ6 Independent work	etion of this subject student should be able to design and implement simpler microprocessor system including connection of necessa design. Project in the form of a project. A student will choose a topic from a range of topics related to his or her branch of study, which will be specif	Try peripherals and Z	software 6
both. After compl B2MPROJ6 Independent work	etion of this subject student should be able to design and implement simpler microprocessor system including connection of necessa design. Project	Try peripherals and Z	software 6
both. After compl B2MPROJ6 Independent work	etion of this subject student should be able to design and implement simpler microprocessor system including connection of necessa design. Project in the form of a project. A student will choose a topic from a range of topics related to his or her branch of study, which will be specif	Try peripherals and Z	software 6
both. After compl B2MPROJ6 Independent work branc BDIP25	etion of this subject student should be able to design and implement simpler microprocessor system including connection of necessa design. Project in the form of a project. A student will choose a topic from a range of topics related to his or her branch of study, which will be specif h departments. The project will be defended within the framework of a subject. Project list http://www.fel.cvut.cz/en/education/semest	Z ied by branch depa ral-projects.html	software 6 artment or 25
both. After compl B2MPROJ6 Independent work branc BDIP25 Independent final of	etion of this subject student should be able to design and implement simpler microprocessor system including connection of necessar design. Project in the form of a project. A student will choose a topic from a range of topics related to his or her branch of study, which will be specif h departments. The project will be defended within the framework of a subject. Project list http://www.fel.cvut.cz/en/education/semest Diploma Thesis	Z ied by branch depa ral-projects.html Z her branch of study	software 6 artment or 25 , which will
both. After compl B2MPROJ6 Independent work branc BDIP25 Independent final of	etion of this subject student should be able to design and implement simpler microprocessor system including connection of necessa design.  Project in the form of a project. A student will choose a topic from a range of topics related to his or her branch of study, which will be specif h departments. The project will be defended within the framework of a subject. Project list http://www.fel.cvut.cz/en/education/semest Diploma Thesis comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or her branch of study.	Z ied by branch depa ral-projects.html Z her branch of study	software 6 artment or 25 , which will
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