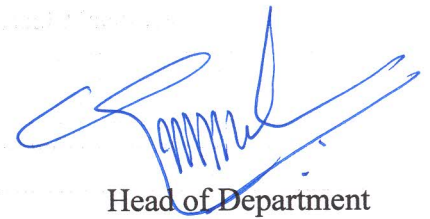


DEPARTMENT OF INSTRUMENTATION

उपकरणिकरण विभाग
राजकीय अभियांत्रिकी महाविद्यालय, जळगाव

Equivalence for second year old courses in new structure

Semester III old structure 2014-15 courses		Semester III new structure equivalent courses	
SH201	Engineering Mathematics-III	SH226U	Engineering Mathematics
EE221	Electrical Machine and Network	EE231U	Electrical Machines
IN201	Analog Circuits and Analysis	IN201U	Analog Electronics
IN202	Measurement Fundamentals	IN202U	Measurement Techniques
IN203	Computational Methods and Programming	-	---
SH204	General Proficiency II	SH299U	Effective Technical Communication
EE222	Electrical Machines and Networks Lab (III)	EE232U	Electrical Machines
IN204	Analog Circuits and Analysis Lab (III)	IN205U	Analog Electronics Lab
IN205	Measurement Fundamentals Lab (III)	IN206U	Measurement Techniques Lab
IN206	Computational Methods and Programming Lab	---	---
Semester IV old structure 2014-15 courses		Semester IV new structure equivalent courses	
IN251	Automatic Control Systems	IN251U	Automatic Control Systems
IN252	Signals and Systems	IN303U	Signals and Systems
IN253	Electronics Instrumentation	IN253U	Electronic Instrumentation
IN254	Sensors and Transducers	IN254U	Transducers - II
IN255	Digital Circuits Design	IN255U	Digital Circuits Design
IN256	Programming in MATLAB	IN208U	Computational Environment Lab
IN257	Electronics Instrumentation Lab	IN257U	Electronic Instrumentation Lab
IN258	Automatic Control System Lab	IN256U	Automatic Control Systems Lab
IN259	Sensors And Transducers Lab	IN258U	Transducers - II Lab
IN260	Digital Circuits Design Lab	IN259U	Digital Circuits Design Lab


Head of Department

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Government College of Engineering, Jalgaon

The following equivalency is decided in the meeting of departmental faculty Board. UTT No. - 2102/19/2021/80
 Dt. - 10/02/2021

Sr. No.	Courses in 2014-15 Structure for S.Y.B.Tech	Equivalent Courses in 2018-19 Structure for S.Y.B.Tech
1	SH201 Engineering Mathematics - III	SH226U Engineering Mathematics
2	ET201 Network Analysis	ET201U Network Analysis and Synthesis
3	ET202 Components Devices and Instruments Technology	ET205U Electronic Material and Components
4	ET203 Electronic Devices and Circuits	ET202U Electronic Devices and Circuits
5	ET204 Digital Electronics	ET203U Digital Circuits and Systems Design
6	SH204 General Proficiency II	will be provided by Applied science Dept
7	ET205 Network Analysis Lab	ET206U Network Analysis and Synthesis Lab
8	ET206 Components Devices and Instruments Technology Lab	ET210U Electronic Workshop
9	ET207 Electronics Devices and Circuits Lab	ET207U Electronic Devices and Circuits Lab
10	ET208 Digital Electronics Lab	ET208U Digital Circuits and Systems Design Lab
11	ET251 Signals and Systems	ET204U Signals and Systems
12	ET252 Electronic Circuits and Applications	ET251U Electronic Circuits and Applications
13	ET253 Microprocessor and Microcontroller	ET302U Microprocessors and Microcontrollers
14	ET254 Analog Communication	ET253U Analog Communication
15	SH 255 Human Resources and Economics	SH376U Human Resources and Engineering Economics will be provided by Applied sci. Dept
16	ET255 Data Structures Lab	ET310U Data Structures Lab
17	ET256 Signals and Systems Lab	ET209U Signals and Systems Lab
18	ET257 Electronic Circuits and Applications Lab	ET256U Electronic Circuits and Applications Lab
19	ET258 Microprocessor and Microcontroller Lab	ET308U Microprocessors and Microcontrollers Lab
20	ET259 Analog Communication Lab	ET258U Analog Communication Lab

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1) smt. M.R. Dhote - @by

2) smt. S.M. Patil - @Patil

3) shri. S.C. Kulkarni - @Kulkarni

4) shri. D.M. Gaikwad - @Gaikwad

5) P submitted to

The Dean (Academics)

A.C.O.-E. Jalgaon
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Elane

HO D. (I/c)

prof. Dr. S.P. Mohari

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Date: 10.02.2021

Department of Science and Humanity

Equivalent/alternative theory course in NEW syllabus for theory courses from old syllabus for Sem III and IV

S. N.	Equivalent/alternative Course in New Curriculum (Autonomous 2018-19) Sem III /IV		Theory course of old curriculum (Autonomous 2014-15) Sem- III /IV	
	Paper No. & Subject	Title	Paper No. &	Title
1	SH299U	Effective Technical Communication	SH204	General Proficiency II
2	SH376U	Human Resources and Engineering Economics	SH255	Human Resources and Economics
3	SH226U	Engineering Mathematics	SH201	Engineering Mathematics - III
4	SH291U	Mathematics for Computer Engineering	SH253	Numerical Methods and Probability Theory
5	CO205U	Humanities and Social Science	SH254	Humanities and Social Science
6	SH271U	Engineering Mathematics(ME)	SH202	Engineering Mathematics-III
7	SH296U	Advanced Engineering Mathematics	SH252	Engineering Math-III

(Shri. S. D. Ahirrao)
Associate Professor in Mathematics
Science and Humanities
(Member Secretary, Board of Studies)

(Dr. M.S. Phalak)
Associate Professor in Physics
Science and Humanities
Chairman BoS

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Government College of Engineering, Jalgaon
Department of Electrical Engineering

विद्युत विभाग

जा. क्र. : 47 दिनांक : 8/2/2021

List of equivalence scheme for students coming from old scheme 2015-2016 to new scheme 2018-2019

Sr. No.	Subjects as per old curriculum (2015-2016)		Subjects as per new curriculum (2018-2019)	
	Course Code	Course Name	Course Code	Course Name
Sem I/II				
1	EE151	Basic Electrical Engineering	EE101U	Elements of Electrical Engineering
2	EE152	Basic Electrical Engineering Lab	EE102U	Elements of Electrical Engineering Lab
Sem III				
3	EE 201	Electronic Devices and Linear Integrated Circuits	EE201U	Analog Electronics
	EE 202	Electrical Circuit Analysis	EE202U	Electrical Circuit Analysis
	EE 203	Electrical and Electronic Measurements	EE203U	Electrical Measurement and Instrumentation
	EE 204	Power Plant Engineering	EE204U	Signals and Systems — No equivalence given
	EE 205	Electronic Devices and Linear Integrated Circuits Lab	EE205U	Analog Electronics Lab
	EE 206	Mini Project-I		
	EE 207	Electrical Circuit Analysis Lab	EE 206U	Electrical Circuit Analysis Lab
	EE 208	Electrical and Electronic Measurements Lab	EE207U	Electrical Measurement and Instrumentation Lab
	EE 209	Electrical and Electronic Material Lab	EE209U	Electrical and Electronics Material Lab
	EE 261	Circuit Simulation Lab	EE208U	Signals and Systems Lab
Sem IV				
	EE 251	Electromagnetic Fields	EE251U	Electromagnetic Fields
	EE 252	Fundamentals of Electric Machinery	EE252U	DC Machines and Transformers
	EE253	Digital Electronics and Microprocessors	EE253U	Digital Electronics and Microprocessor
	EE254	Power System	EE254U	Power System I
	EE255	Signals and Systems		
	EE256	Electrical workshop	EE259U	Mini Project
	EE257	Digital Electronics and Microprocessor Lab	EE256U	Digital Electronics and Microprocessor Lab
	EE258	Signals and Systems Lab	EE258U	Circuit Simulation Lab
	EE259	Power System Lab	EE257U	Power System I Lab
	EE260	Electrical Machines Lab I	EE255U	DC Machines and Transformers Lab

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Department of Electrical Engineering
Government College of Engineering,

TY B. Tech. Electrical		TY B. Tech. Electrical	
Sem V		Sem V	
EE301	AC Machines	EE301U	AC Machines
EE302	Power System Analysis	EE303U	Power System II
EE303	Microcontrollers and its Applications	EE302U	Microcontroller and Its Applications
EE304	Electrical Testing and Maintenance	EE304U	Professional Elective I
EE305	Industrial Organization and Management	EE305U	Open Elective I
EE306	AC Machines Lab	EE306U	AC Machines Lab
EE307	Power System Analysis Lab	EE308U	Power System II Lab
EE308	Microcontrollers and its Applications Lab	EE307U	Microcontroller and Its Applications Lab
EE309	Electrical Testing and Maintenance Lab	EE309U	Professional Elective I Lab
EE310	Numerical Methods and Computer Programming Lab	EE310U	Numerical Methods and Computer Programming Lab
EE311	Self Study I		
Sem VI		Sem VI	
EE351	Electrical Traction and Utilization		
EE352	Switchgear and Protection	EE353U	Switchgear and Protection
EE353	Feedback Control System	EE351U	Control Systems
EE354	Power Electronics	EE352U	Power Electronics
EE355	Digital Signal Processing	EE355U	Open Elective II
EE356	Electrical Traction and Utilization Lab	SH387U	Industrial Organisation and Management Lab
EE357	Switchgear and Protection Lab	EE358U	Switchgear and Protection Lab
EE358	Feedback Control System Lab	EE356U	Control Systems Lab
EE359	Power Electronics Laboratory	EE357U	Power Electronics Lab
EE360	Digital Signal Processing Lab	EE354U	Professional Elective II
EE361	Mini Project	EE359U	Professional Elective II Lab
EE 362	Self study - II		
EE 363	Industrial Lecture		

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 Head
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Equivalent/exemption in course of 5. Y. B. Tech. (Civil) in autonomous curriculum if passed the courses from old structure.

Sr. No.	Course as per autonomous new curriculum in which exemption shall be granted (Course code & name)		Exempted if Passed as per autonomous old curriculum (Course code & name)	
1	CE201U	Introduction to Civil Engineering	No Equivalence and hence no exemption (i.e. each student who is shifted from old autonomous curriculum to new autonomous curriculum shall register and pass this course.)	
2	CE202U	Basic Surveying	CE201	Surveying-I
3	CE203U	Concrete Technology	CE251	Concrete Technology
4	CE204U	Building Planning and Construction	CE205	Building Construction and Materials
5	CE205U	Strength of Materials	CE203	Strength of Material
6	CE206U	Engineering Geology	CE202	Engineering Geology and Hydrology
7	CE207U	Basic Surveying Lab	CE207	Surveying-I-LAB
8	CE208U	Concrete Technology Lab	CE256	Concrete Technology -LAB
9	CE209U	Building Planning and Construction Lab	CE209	Building Construction and Materials-LAB
10	CE210U	Computer Aided Civil Engineering Drawing Lab	CE255	Computer Applications in Civil Engineering-LAB
11	CE211U	Engineering Geology Lab	CE206	Engineering Geology and Hydrology-LAB
12	SH200AU	Essence of Indian Traditional Knowledge	No Equivalence and hence no exemption (i.e. each student who is shifted from old autonomous curriculum to new autonomous curriculum shall register and pass this course.)	
13	SH296U	Advanced Engineering Mathematics	SH252	Engineering Math-III
14	CE251U	Fluid Mechanics	CE204	Fluid Mechanics-I
15	CE252U	Water Treatment and Processes	CE304	Environmental Engineering-I
16	CE253U	Basic Theory of Structures	CE301	Basic Theory of Structures
17	CE254U	Hydrology and Irrigation	CE402	Water Resources Engineering-I
18	CE255U	Civil Engineering- Societal and Global Impact	No Equivalence and hence no exemption (i.e. each student who is shifted from old autonomous curriculum to new autonomous curriculum shall register and pass this course.)	
19	CE256U	Fluid Mechanics Lab	CE208	Fluid Mechanics-I-LAB


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20	CE257U	Water Treatment and Processes Lab	CE308	Environmental Engineering-I-LAB
21	CE258U	Testing of Materials Lab	CE310	Testing of Materials-LAB
22	CE259U	Hydrology and Irrigation Lab	CE407	Water Resources Engineering-I-LAB
23	SH299U	Effective Technical Communication	No Equivalence and hence no exemption (i.e. each student who is shifted from old autonomous curriculum to new autonomous curriculum shall register and pass this course.)	
24	SH250AU	Introduction to the Constitution of India	No Equivalence and hence no exemption (i.e. each student who is shifted from old autonomous curriculum to new autonomous curriculum shall register and pass this course.)	

Important Notes:

1. If any student was admitted in second year (Civil) before the academic year 2019-20 and his/her odd semester (Ist semester) was granted under old autonomous curriculum but even semester (IInd semester) was not granted then such student shall be shifted in autonomous curriculum for even semester (IInd semester) of the academic year 2019-20 or onward. He/she shall pass all the courses of odd semester (Ist semester) as per old autonomous curriculum, if not. In addition; he/she shall register and pass all other courses of autonomous curriculum for which exemption is not granted as per above chart during even semester (IInd semester) or whenever institute offers that subject. **In any case; any student shall not be declared as pass in S.Y.B.Tech.(Civil) without obtaining exemption or passing all courses of S.Y.B.Tech. (Civil) as per above chart.**
2. If any student who was admitted in second year engineering (Civil) before the academic year 2019-20 and failed second year engineering as per old autonomous curriculum shall pass all the courses of second year engineering as per old autonomous curriculum. Such student shall be eligible to take admission in T. Y. B. Tech. for the academic year 2020-21 or onward if his/her result is pass/ATKT as per old autonomous result. In addition; he/she shall register and pass all the courses of S.Y.B.Tech. of new autonomous curriculum for which exemption cannot be granted as per above chart; during the academic year of T.Y.B.Tech. or whenever institute offers that course. **To pass all such courses shall be the mandatory condition for the award of degree.**
3. The students who are directly admitted to S.Y. B. Tech. (Civil) after diploma in engineering (Civil Engineering) shall register and pass the courses SH104U Communication Skills, SH105U Communication Skills Lab, EE101U Elements of Electrical Engineering, EE102U Elements of Electrical Engineering Lab, CO102U Programming for Problem Solving Lab, ET151U Basic Electronics and Measurement Techniques, ET152U Basic Electronics and Measurement Techniques Lab, and SH150AU Environment Science. In addition; any student who is directly admitted to S.Y. B. Tech. (Civil) after diploma in engineering (Non Civil discipline) and not appeared for Engineering Mechanics subject previously shall register and pass the courses CE151U Engineering Mechanics and CE152U Engineering Mechanics Lab. All such students shall register and pass all above courses during the academic year of S.Y.B.Tech. or whenever institute offers those courses. **To pass all such courses shall be the mandatory condition for the award of degree**


Dr V R Saraf
Member Secretary
BoS Civil


Dr S S Pusadkar
HoD
Civil Engg Department

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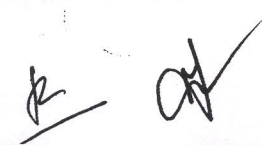
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Annexure-V

Equivalence/Exemption for the subject of S.Y.B.Tech for new autonomous pattern have been suggested and approved by DFB

Sr. No.	Course as per new autonomous curriculum 2018-19 in which exemption shall be granted (Course code & name)	Exempted if passed as per old autonomy curriculum 2014-15, (Course code & name)	
Semester Ist (SEM. III)			
1	ME201U	Fluid Mechanics	ME201 Fluid Mechanics
	EE221U	Electrical Machines and Drives	EE 271 Electrical Machines & Drives
	ME202U	Thermodynamics	ME202 Engineering Thermodynamics
	ME203U	Manufacturing Processes	ME203 Manufacturing Engineering
2	ME 204U	Strength of Materials	CE 221 Strength of Materials
	SH299U	Effective Technical Communication	SH 204 General Proficiency II
	EE222U	Electrical Machines and Drives Lab	EE 272 Electrical Machines & Drives Lab
	ME205U	Fluid Mechanics Lab	ME204 Fluid Mechanics Lab
	ME206U	Thermodynamics Lab	ME205 Engineering Thermodynamics Lab
	ME207U	Workshop Practice-III	ME206 Workshop Practice-III
	SH200AU	Essence of Indian Traditional Knowledge	No Exemption/Equivalence
Semester IInd (SEM. IV)			
	SH271U	Engineering Mathematics(ME)	SH202 Engineering Mathematics -III
	ME251U	Theory of Machine-I	ME251 Theory of Machine-I
	ME252U	Advanced Manufacturing Processes	ME252 Advance Manufacturing Processes
	ME253U	Material Science and Engineering Metallurgy	No Exemption (Student has to opt this course as audit course)



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10th March 2019

	ME254U	Machine Drawing and Computer Graphics	ME254	Machine Drawing
			ME255	Computer Graphics
	ME255U	Theory of Machine - I Lab	ME256	Theory of Machine -I Lab
	ME256U	Material Science and Engineering Metallurgy Lab	Exemption to lab Course	
	ME257U	Machine Drawing and Computer Graphics Lab	ME255	Computer Graphics
			ME259	Machine Drawing Lab
	ME258U	Workshop Practice – IV	ME257	Workshop Practice –IV
	SH250AU	Introduction to the Constitution of India	No Exemption	

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