



DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Equivalence Report

Equivalent Subjects of Second Year Instrumentation Engineering, from NMU Jalgaon to DBATU

SEMESTER-III

Sr. No	NMU Subject (Syll. 2018-19)			Equivalent Subject at DBATU (Syll. 2018-19)		
	Code	Subject	Credit	Code	Subject	Credit
1		Engineering Mathematics-III(TH)	4	BTBSC301	Engineering Mathematics-III	4
2		Electrical Machines & Networks(TH)	3	BTEEC302	Network Analysis and Synthesis	3
3		Analog Circuits & Analysis(TH)	4	BTINC 304	Analog Electronics	3
4		Measurement Fundamentals(TH)	3	BTINC 403	Electrical and Electronics Measurement	3
5		Computational Methods & Programming(TH)	3	BTEEE 305 A, BTEEE 305 B, BTEEE 305 C	Elective I	3
6		Analog Circuits & Analysis (LAB)	1	BTINL 308	Analog Electronics Lab	1
7		Measurement Fundamentals(LAB)	1	BTINL 409	Electrical and Electronics Measurement Lab	1
8		Computational Methods & Programming(LAB)	1	BTINL 309	Computational Technique Lab	1

Total Credits of Third Semester at NMU, Jalgaon- 23

SEMESTER-IV

Sr. No	NMU Subject (Syll. 2018-19)			Equivalent Subject at DBATU (Syll. 2018-19)		
	Code	Subject	Credit	Code	Subject	Credit
1		Electronic Instrumentation (TH)	3	BTINC 402	Feedback Control System	3
2		Signals & Systems (TH)	4	BTINE404 A, BTINE404 B, BTINE404 C	Elective II	3
3		Automatic Control Systems (TH)	4	BTEEOE406 A, BTEEOE406 B, BTEEOE406 C	Elective III	3
4		Sensors & Transducers (TH)	3	BTINC303	Sensor and Transducer	3
5		Digital Circuits Design (TH)	3	BTINC 401	Digital Electronics	4
6		Automatic Control Systems (LAB)	1	BTINL 407	Feedback Control System Lab	1
7		Sensors & Transducers (LAB)	1	BTINL 408	Digital Electronics Lab	1
8		Digital Circuits Design (LAB)	1	BTID 405	Product Design Engineering	2

Total Credits of Fourth Semester at NMU, Jalgaon- 23

- For students getting transferred to DBATU after passing all the subjects of Second Year at NMU Jalgaon: The CGPA will be carried forward and the credits earned will be considered at actual.
- For students getting transferred to DBATU after passing all the subjects of either Third or Fourth Semester at NMU Jalgaon: The SGPA of such semester will be carried forward and the credits earned will be considered at actual. However, for the semester in which the student is failing in at least one of the subjects, this clause will not be applicable.
- For students getting transferred to DBATU failed in at least one of the subjects will have to appear for the equivalent subject of DBATU Lonere as mentioned in the table above. The Grades obtained and the corresponding grade points will be same as per NMU for the subjects in which the student is passed from NMU. The grade calculation for the subjects passed in DBATU will be as follows:

*** Grade Point Calculation for Students transferred from NMU to DBATU ***

$$\text{Total Marks (100)} = (\text{INT of NMU} * 2) + \text{End Semester Marks of DBATU}$$



DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

**Equivalent Subjects of Second Year Instrumentation Engineering. from
Dr.BAMU to Dr.BATU**

SEMESTER-III

Sr. No.	Dr.BAMU Subject (Syll. 2018-19)			Equivalent Subject at DBATU (Syll. 2018-19)		
	Code	Subject	Credit	Code	Subject	Credit
1.	BSH201	Engineering Mathematics III	4	BTBSC301	Engineering Mathematics-III	4
2.	ICE202	Measurement Fundamentals	4	BTINC 403	Electrical and Electronics Measurement	3
3.	ICE203	Sensors and Transducers I	4	BTINC303	Sensor and Transducer	3
4.	ICE204	Analog Electronics	4	BTINC 304	Analog Electronics	3
5.	ICE205	Digital Electronics	4	BTINC 401	Digital Electronics	4
6.	ICE221	Lab I Sensors and Transducers I	1	BTINL 307	Sensor and Transducer Lab	1
7.	ICE222	Lab II Analog Electronics	1	BTINL 308	Analog Electronics Lab	1
8.	ICE223	Lab III Digital Electronics	1	BTINL 408	Digital Electronics Lab	1

Total Credits of Third Semester at BAMU, Aurangabad - 27

SEMESTER-IV

Sr. No.	Dr.BAMU Subject (Syll. 2018-19)			Equivalent Subject at DBATU (Syll. 2018-19)		
	Code	Subject	Credit	Code	Subject	Credit
1.	BSH251	Engineering Mathematics IV	4	BTEEE 305 A, BTEEE 305 B, BTEEE 305 C	Elective I	3
2.	ICE252	Control System Components	4	BTINC 402	Feedback Control System	3
3.	ICE253	Sensors and Transducers II	4	BTINE404 A, BTINE404 B, BTINE404 C	Elective II	3
4.	ICE254	Basic Control Theory	4	BTEEOE406 A, BTEEOE406 B, BTEEOE406 C	Elective III	3
5.	ICE255	Circuit Theory and Networks	4	BTEEC302	Network Analysis and Synthesis	3
6.	ICE271	Sensors and Transducers II	1	BTINL 409	Electrical and Electronics Measurement Lab	1
7.	ICE272	Lab VII Basic Control Theory	1	BTINL 407	Feedback Control System Lab	1
8.	ICE273	Lab VIII Circuit Theory and Networks	1	BTID 405	Product Design Engineering	2

Total Credits of Fourth Semester at BAMU, Aurangabad - 27

- For students getting transferred to DBATU after passing all the subjects of Second Year at BAMU, Aurangabad: The CGPA will be carried forward and the credits earned will be considered at actual.
- For students getting transferred to DBATU after passing all the subjects of either Third or Fourth Semester at BAMU, Aurangabad: The SGPA of such semester will be carried forward and the credits earned will be considered at actual. However, for the semester in which the student is failing in at least one of the subjects, this clause will not be applicable.
- For students getting transferred to DBATU failed in at least one of the subjects will have to appear for the equivalent subject of DBATU Lonere as mentioned in the table above. The Grades obtained and the corresponding grade points will be same as per BAMU, Aurangabad for the subjects in which the student is passed from DBATU. The grade calculation for the subjects passed in DBATU will be as follows:

*** Grade Point Calculation for Students transferred from DBAMU to DBATU ***

$$\text{Total Marks (100)} = (\text{INT of DBAMU} * 2) + \text{End Semester Marks of DBATU}$$



DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Equivalent Subjects of Second Year Instrumentation Engineering from Shivaji University Kolhapur to DBATU

SEMESTER-III

Sr. No.	Shivaji University Subjects (Syll. 2018-19)			Equivalent Subject to DBATU (Syll. 2018-19)		
	Code	Subject	Credit	Code	Subject	Credit
1		Transducer Technology		BTINC303	Sensor and Transducer	3
2		Applied Electronics		BTEEE 305 A, BTEEE 305 B, BTEEE 305 C	Elective I	3
3		Linear Integrated Circuits		BTINC 304	Analog Electronics	3
4		Mathematics - III		BTBSC301	Engineering Mathematics-III	4
5		Electrical Machines & Drives		BTINE404 A, BTINE404 B, BTINE404 C	Elective II	3
6		Transducer Technology		BTINL 307	Sensor and Transducer Lab	1
7		Electrical Machines & Drives		BTINL 308	Analog Electronics Lab	1
8		Laboratory practice-I		BTINL 308	Analog Electronics Lab	1

SEMESTER-IV

Sr. No.	Shivaji University Subjects(Syll. 2018-19)			Equivalent Subject to DBATU (Syll. 2018-19)		
	Code	Subject	Credit	Code	Subject	Credit
1		Electronics & Electrical Measuring Instruments		BTINC 403	Electrical and Electronics Measurement	3
2		Digital System		BTINC 401	Digital Electronics	4
3		Networks & Circuit Theory		BTEEC302	Network Analysis and Synthesis	3
4		Statistical Methods in Instrumentation		BTEEOE406 A, BTEEOE406 B, BTEEOE406 C	Elective III	3
5		Fluid flow & Heat transfer		BTINC 402	Feedback Control System	3
6		Electronics & Electrical Measuring Instruments		BTINL 409	Electrical and Electronics Measurement Lab	1
7		Fluid flow & Heat transfer		BTINL 407	Feedback Control System Lab	1
8		Laboratory practiceII		BTID 405	Product Design Engineering	2

- For students getting transferred to DBATU after passing all the subjects of Second Year at Shivaji University Kolhapur: The total marks will be carried forward at actual and CGPA will be calculated by following conversion as mentioned in Shivaji University Kolhapur.

CONVERSION OF CGPA TO PERCENTAGE MARKS AND VICE VERSA

$$\text{Percentage Marks} = ((\text{CGPA} * 10) - 0.75)$$

- For students getting transferred to DBATU failed in at least one of the subjects will have to appear for the equivalent subject from DBATU Lonere as mentioned in the table above. The total marks obtained at end semester exam of DBATU will be converted to Hundred by following conversion. Once student clears all subjects, CGPA will be calculated by above formula.

$\text{Total Marks (100)} = \text{End Semester Marks of DBATU} * 1.66$
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