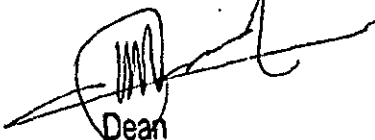
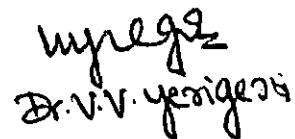


BE Equivalent List

DR. BABASAHEB AMBEDKAR MARATHIWADA UNIVERSITY, AURANGABAD
 Board of Studies in Instrumentation Engineering
 Equivalent Subjects of B.E. (Instrumentation) Part I & II Pre-revised course to Revised course of
 B.E. (Instrumentation) Part I & II effective from Academic Year 2022-2023

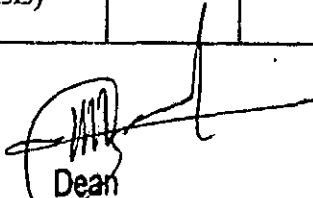
Sr. No.	B.E. (Instrumentation) Pre-revised Course (80/20) - Marks Pattern				Equivalent Subject in B.E. (Instrumentation) Revised Course (80/20 - CBC&GS Pattern)
1	B.E. (Instrumentation)	[OLD]	I	Modern Control Theory	Control System Design
2	B.E. (Instrumentation)	[OLD]	I	Process Modeling & Optimization	Process Modeling and Optimization
3	B.E. (Instrumentation)	[OLD]	I	Operating System and Networking	Computer Networks
4	B.E. (Instrumentation)	[OLD]	I	Biomedical Instrumentation	Biomedical Instrumentation
5	B.E. (Instrumentation)	[OLD]	I	Elective-I: Advanced Control System	Advanced Digital Signal Processing
6	B.E. (Instrumentation)	[OLD]	I	Elective-I: Robotics	Embedded Systems
7	B.E. (Instrumentation)		I	Elective-I: Neural and fuzzy based control system	Neural and Fuzzy Based Control System
8	B.E. (Instrumentation)	[OLD]	II	Digital Control System	Discrete Time Control Systems
9	B.E. (Instrumentation)	[OLD]	II	Project Engineering and Management	Project Management
10	B.E. (Instrumentation)	[OLD]	II	Instrument System Design	Instrument System Design
11	B.E. (Instrumentation)	[OLD]	II	Elective-II: Automotive Instrumentation	Automotive Instrumentation
12	B.E. (Instrumentation)	[OLD]	II	Elective-II: Building Automation and Security System	Building Automation and Security System
13	B.E. (Instrumentation)	[OLD]	II	Elective-II: VLSI Design	Robotics


 Dean
 Faculty of Science & Technology
 Dr. Babasaheb Ambedkar Marathwada
 University, Aurangabad


 Dr. V.V. Yerrigeri

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

S.E. (EEP/EE/EEE) Pre-revised Course (80/20) - Marks Pattern				Equivalent Subject in S.E. (EEP/EE/EEE) Revised Course (80/20 - CBC&GS Pattern)
S.E. (EEE)	[OLD]	I	Electronics Devices and Circuit	EED/ 206 Electronics Device and Circuits
S.E. (EEP/EE)	[OLD]	I	Electrical Engineering Materials	EEDE /205 Electrical Engineering Materials
S.E. (EEP/EE/EEE)	[OLD]	II	Network Analysis	EED /254 Network Analysis
S.E. (EEP/EE/EEE)	[OLD]	II	Electrical Power Transmission & Dist.	EED/255 Electrical Power Transmission and Distribution
S.E. (EEP/EE/EEE)	[OLD]	II	A.C. Machines	EED/253 A.C. Machines
S.E. (EEP/EE/EEE)	[OLD]	II	Analog & Digital Circuits	EED/ 256 Analog & Integrated Circuits
S.E. (EEP/EE/EEE)	[OLD]	I	Transformers & DC Machines	EED /202 Transformers & DC Machines
S.E. (EEP/EE/EEE)	[OLD]	I	Electrical Measuring Techniques	EED/203 Electrical Measuring Techniques
S.E. (EEP/EE/EEE)	[OLD]	I	Electrical Power Generation & its Economics	EED/ 204 Electrical Power Generation & its Economics


Dean


Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad



Dr. Chaudhari B.N.
Professor & Head
Department of Electrical Engineering
P.E.S. College of Engineering
Aurangabad (M.S.)

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD				
T.E. (EEP/EE/EEE) Pre-revised Course (80/20) - Marks Pattern				Equivalent Subject in T.E. (EEP/EE/EEE) Revised Course (80/20 -
T.E. (EEP/EE /EEE)	[OLD]	I	Special Purpose Electrical Machines	EE /305 EI-II Special Purpose Electrical Machines
T.E. (EEP/EE /EEE)	[OLD]	I	Electromagnetic Fields	EE /303 Electromagnetic Fields
T.E. (EEP/EE /EEE)	[OLD]	I	Control System Engineering	EE /304 Control System Engineering
T.E. (EEP/EE /EEE)	[OLD]	I	Microprocessor & Interfacing	EE /302 Microprocessor & Interfacing
T.E. (EEP/EE /EEE)	[OLD]	I	Power Systems Analysis	EE /301 Power Systems Analysis
T.E. (EEP/EE /EEE)	[OLD]	II	Electrical Machine Design	EE /351 Electrical Machine Design
T.E. (EEP/EE /EEE)	[OLD]	II	Power Electronics	EE /353 Power Electronics
T.E. (EEP/EE /EEE)	[OLD]	II	Testing & Maintenance of Electrical Equipment	EE /352 Testing & Maintenance of Electrical Equipment
T.E. (EEP/EE /EEE)	[OLD]	II	Microcontrollers & Applications	EE /354 Microcontrollers & Applications
T.E. (EEP/EE /EEE)	[OLD]	II	Energy Conservation & Audit	Elective III EE /355 Energy Conservation & Audit


 Dean
 Faculty of Science & Technology
 Dr. Babasaheb Ambedkar Marathwada
 University, Aurangabad


 Dr. Chaudhari B.N.
 Professor & Head
 Department of Electrical Engineering
 P.E.S. College of Engineering
 Aurangabad (M.S.)

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Sr. No.	B.E. (EE/EEP/EEE) Pre-revised Course (80/20) - Marks Pattern				Equivalent Subject in B.E. (EE/EEP/EEE) Revised Course (80/20 - CBC&GS Pattern) BE (EEP/EE/EEE) wef/A/C Year 2019-20.
1	B.E. (EEP/EE/EEE)	[OLD]	I	Electrical Drives	EEP/401 Electrical Drives
2	B.E. (EEP/EE/EEE)	[OLD]	I	Power System Protection	EEP/402 Power System protection
3	B.E. (EEP/EE/EEE)	[OLD]	I	Digital Signal Processing	EEP/403 Digital Signal Processing
4	B.E. (EEP/EE/EEE)	[OLD]	I	Industrial Automation	EEP/404 Industrial Automation
5	B.E. (EEP/EE/EEE)	[OLD]	I	Elective-I: Industrial Management	EEP/443 Electrical Traction and Utilization
6	B.E. (EEP/EE/EEE)	[OLD]	I	Elective-I: Flexible AC Transmission System	EEP/441 Flexible AC Transmission System
7	B.E. (EEP/EE/EEE)	[OLD]	I	Elective-I: Power Electronics -II	EEP/442 Power Electronics-II
8	B.E. (EEP/EE/EEE)	[OLD]	I	Elective-I: Digital System Design	EEP/442 Power Electronics-II
9	B.E. (EEP/EE/EEE)	[OLD]	I	Elective-I: Recent Trends in Power Systems	EEP/441 Flexible AC Transmission System
10	B.E. (EEP/EE/EEE)	[OLD]	I	Elective-I: Neural Network and Fuzzy Logic	EEP/444 Artificial Intelligence
11	B.E. (EE)	[OLD]	I	Elective-I: SAP Production Planning - I	EEP/443 Electrical Traction and Utilization
12	B.E. (EEP/EE/EEE)	[OLD]	II	High Voltage Engineering	EEP/451 High Voltage Engineering
13	B.E. (EEP/EE/EEE)	[OLD]	II	Power System Operation & Control	EEP/452 Power System Operation & Control
14	B.E. (EEP/EE/EEE)	[OLD]	II	Renewable Energy	EEP/453 Non Conventional Energy Sources and Applications
15	B.E. (EEP/EE/EEE)	[OLD]	II	Elective-II: Electrical Power Quality	EEP/491 Electrical Power Quality
16	B.E. (EEP/EE/EEE)	[OLD]	II	Elective-II: Electric Traction & Utilization	EEP/443 Electrical Traction and Utilization
17	B.E. (EEP/EE/EEE)	[OLD]	II	Elective-II: Electrical System Planning & Design	EEP/492 Electrical System Planning and Design

Dean

Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

18	B.E. (EEP/EE/EEE)	[OLD]	II	Elective-II: Illumination Engineering	EEP/496 Open Elective II
19	B.E. (EEP/EE/EEE)	[OLD]	II	Elective-II: Control System - II	EEP/495 Control System II
20	B.E. (EEP/EE/EEE)	[OLD]	II	Elective-II: Embedded System	EEP/493 Embedded Systems
21	B.E. (EE)	[OLD]	II	Elective-II: SAP Production Planning - II	EEP/492 Electrical System Planning and Design

Dr. Chaudhari B.N.
Professor & Head
Department of Electrical Engineering
P.E.S. College of Engineering
Aurangabad (M.S.)

Dean
Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD Board of Studies in Second Year Engineering Equivalent Subjects of S.E. (CSE/IT) Part I & II Pre-revised course to Revised course of S.E. (CSE/IT) Part I & II effective from Academic Year 2022-2023				
S.E. (CSE/IT) Pre-revised Course (80/20) - Marks Pattern				Equivalent Subject in S.E. (CSE/IT) Revised Course (80/20 - CBC&GS Pattern)
S.E. (CSE/IT)	[OLD]	II	Microprocessors	Microprocessor and Computer Organization(CSE254)
S.E. (CSE/IT)	[OLD]	II	Computer Graphics	Computer Graphics(CSE255)
S.E. (CSE/IT)	[OLD]	II	Discrete Mathematics	Discrete Mathematics(CSE252)
S.E. (CSE/IT)	[OLD]	II	Object Oriented Programming Using C++	Object Oriented Programming (CSE253)
S.E. (CSE/IT)	[OLD]	I	Computer Networks-I	Computer Networks(CSE203)
S.E. (CSE/IT)	[OLD]	I	Data Structures using C	Data Structures (CSE202)
S.E. (CSE/IT)	[OLD]	I	Unix & Shell Programming	Linux operating system(CSE205)
S.E. (CSE/IT)	[OLD]	I	Digital Electronics	Digital Electronics(CSE205)

Dean

Faculty of Science and
Engineering

Dean

Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

Chairman [BOS]

Faculty of Science and
Engineering

Member [BOS]

Dr. Rahulkhan

Computer Science and Engineering

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD Board of Studies in Second Year Engineering Equivalent Subjects of T.E. (CSE/IT) Part I & II Pre- revised course to Revised course of T.E. (CSE/IT) Part I & II effective from Academic Year 2022-2023				
T.E. (CSE/IT) Pre-revised Course (80/20) - Marks Pattern				Equivalent Subject in T.E. (CSE/IT) Revised Course (80/20 - CBC&GS Pattern)
T.E. (CSE)	[OLD]	I	Digital Image Processing	Digital Image Processing (CSE342)
T.E. (IT)	[OLD]	I	Multimedia Computing	Programming in Java (CSE304)
T.E. (CSE/IT)	[OLD]	I	Software Engineering	Software Engineering (CSE352)
T.E. (CSE/IT)	[OLD]	I	Database Management System	Database Management System (CSE303)
T.E. (CSE/IT)	[OLD]	I	Programming in Java	Programming in Java (CSE304)
T.E. (CSE/IT)	[OLD]	I	Operating System	Operating System (CSE301)
T.E. (CSE/IT)	[OLD]	II	Advanced JAVA	Advanced JAVA (CSE351)
T.E. (CSE/IT)	[OLD]	II	Design & Analysis of Algorithms	Design & Analysis of Algorithms (CSE353)
T.E. (CSE/IT)	[OLD]	II	Computer Networks - II	Elective-I Computer Networks Architecture and Protocols (CSE341)
T.E. (CSE/IT)	[OLD]	II	Theory of Computation	Theory of Computation (CSE302)
T.E. (CSE/IT)	[OLD]	II	Software Testing and Quality Assurance	Software Engineering (CSE352)

Dean

Faculty of Science and
Technology

Dean

Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

Chairman [BOS]

Faculty of Science and Technology Computer Science and Engineering

Member [BOS]

Dr. Rohit Khan

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Board of Studies in CSE/IT Engineering

Equivalent Subjects of B.E. (Computer Science and Engineering /Information Technology) Part I & II Pre-revised course to Revised course of B.E. (CSE/IT) Part I & II effective from Academic Year 2022-2023

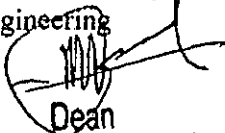
Sr. No.	B.E. (Computer Science and Engineering / IT) Pre-revised Course (80/20) - Marks Pattern			Equivalent Subject in B.E. (Computer Science and Engineering / IT) Revised Course (80/20 - CBC&GS Pattern)	
1	B.E. (CSE/IT)	[OLD]	1	Data Warehousing & Data Mining (CSE/IT)	Data Warehousing and Data Mining (CSE401)
2	B.E. (CSE)	[OLD]	1	Parallel & Distributed Computing	Machine Learning (CSE453)
3	B.E. (CSE)	[OLD]	1	Principles of Compiler Design	Principles of Compiler Design (CSE402)
4	B.E. (CSE)	[OLD]	1	Visual Modeling	Object Oriented Software Modeling and Design (CSE403)
5	B.E. (IT)	[OLD]	1	Cloud Computing	Cloud Computing (CSE404)
6	B.E. (IT)	[OLD]	1	Geographical Information System	Geographical Information System (ITD402)
7	B.E. (IT)	[OLD]	1	E-Business Management	Elective-V ERP (CSE492)
8	B.E. (CSE)	[OLD]	1	Elective-I: Artificial Intelligence	Elective-V Human Computer Interface (CSE494)
9	B.E. (CSE)	[OLD]	1	Elective-I: Cloud Computing	Cloud Computing (CSE404)
10	B.E. (CSE)	[OLD]	1	Elective-I: Multicore Computing	Elective - V- Game Architecture and Design(CSE493)
11	B.E. (CSE)	[OLD]	1	Elective-I: Data Analytics with R	Big Data Computing(CSE451)
12	B.E. (CSE/IT)	[OLD]	1	Elective-I: Internet of Things	Elective-IV- Internet of Things(CSE443)
13	B.E. (IT)	[OLD]	1	Elective-I: Artificial Neural Network & Fuzzy Logic	Soft Computing (CSE452)
14	B.E. (IT)	[OLD]	1	Elective-I: Compiler Construction	Elective IV-Compiler Design (ITD442)
15	B.E. (IT)	[OLD]	1	Elective-I: Object Oriented Analysis & Modeling	Object Oriented Software Modeling and Design (CSE403)
16	B.E. (CSE/IT)	[OLD]	II	Computer System Security and Laws (CSE/IT)	Information and Cyber Security (CSE491)

Dean

Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

17	B.E. (CSE/IT)	[OLD]	II	Mobile Computing (CSE/IT)	Cloud Computing (CSE404)
18	B.E. (CSE)	[OLD]	II	Soft Computing	Soft Computing (CSE452)
19	B.E. (IT)	[OLD]	II	Big Data Analytics	Big Data Computing(CSE451)
20	B.E. (CSE)	[OLD]	II	Elective-II: Remote Sensing & Geographical Information System	Elective IV-Remote Sensing and Geographical Information Systems (CSE442)
21	B.E. (CSE)	[OLD]	II	Elective-II: Network Infrastructure Management	Cloud Computing (CSE404)
22	B.E. (CSE)	[OLD]	II	Elective-II: I- Phone Programming	Elective-V ERP (CSE492)
23	B.E. (CSE)	[OLD]	II	Elective-II: Hadoop Technology	Cloud Computing (CSE404)
24	B.E. (CSE)	[OLD]	II	Elective-II: Data Science	Big Data Computing(CSE451)
25	B.E. (CSE/IT)	[OLD]	II	Elective-II: Green IT (CSE/IT)	Elective-IV - Agile Methodology (CSE441)
26	B.E. (CSE/IT)	[OLD]	II	Elective-II: Agile Methodology (CSE/IT)	Elective - IV - Agile Methodology (CSE441)
27	B.E. (IT)	[OLD]	II	Elective-II: Image processing & Pattern Recognition	Elective -V Computer Vision (ITD494)

Dean

Faculty of Science and
Engineering


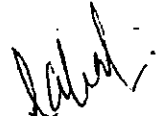
Dean

Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

Chairman [BOS]

Faculty of Science and
Engineering

Member [BOS]


Dr. Rahat Khan

Computer Science and Engineering

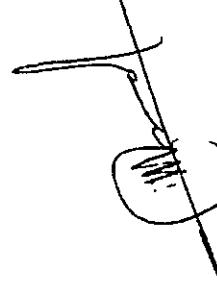
DR. BABASAHEB AMBEDKAR MARATHI WADA UNIVERSITY, AURANGABAD

Board of Studies in Second Year Engineering

Equivalent Subjects of S.E. (Chemical) Part I & II Pre-revised course to Revised course of

S.E. (Chemical) Part I & II effective from Academic Year 2022-2023

S.E. (Chemical) Pre-revised Course (80/20) - Marks Pattern			Equivalent Subject in S.E. (Chemical) Revised Course (80/20 - CBC&GS Pattern)
S.E. (Chemical)	[OLD]	I	Fluid Mechanics
S.E. (Chemical)	[OLD]	I	Engineering Chemistry
S.E. (Chemical)	[OLD]	I	Physical Chemistry & Thermodynamics
S.E. (Chemical)	[OLD]	I	Chemical Process Calculations
S.E. (Chemical)	[OLD]	II	Process Instrumentation & Analytical Tech.
S.E. (Chemical)	[OLD]	II	Strength of Materials
S.E. (Chemical)	[OLD]	II	Mechanical Operations
S.E. (Chemical)	[OLD]	II	Heat Transfer



Dean

Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

Work

(M.V. Popple)

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD


Board of Studies in Second Year Engineering

Equivalent Subjects of T.E. (Chemical) Part I & II Pre-revised course to Revised course of T.E. (Chemical) Part I & II effective from Academic Year 2022-2023

T.E. (Chemical) Pre-revised Course (80/20) - Marks Pattern			Equivalent Subject in T.E. (Chemical) Revised Course (80/20 - CBC&GS Pattern)
T.E. (Chemical)	[OLD]	I	Industrial Pollution & Control
T.E. (Chemical)	[OLD]	I	Chemical Reaction Engineering-I
T.E. (Chemical)	[OLD]	I	Material Science & Technology
T.E. (Chemical)	[OLD]	I	Chemical Engineering Thermodynamics
T.E. (Chemical)	[OLD]	I	Mass Transfer Operations-I
T.E. (Chemical)	[OLD]	II	Process Equipment Design & Drawing - I
T.E. (Chemical)	[OLD]	II	Chemical Reaction Engineering-II
T.E. (Chemical)	[OLD]	II	Mass Transfer Operations-II
T.E. (Chemical)	[OLD]	II	Plant Design & Process Economics
T.E. (Chemical)	[OLD]	II	Chemical Process Industries


Dean

Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad


(M.W. Pople)

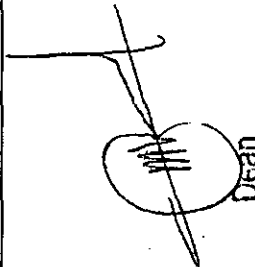
DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Board of Studies in Chemical Engineering


Equivalent Subjects of B.E. (Chemical) Part I & II Pre-revised course to Revised course of

B.E. (Chemical) Part I & II effective from Academic Year 2022-2023

Sr. No.	B.E. (Chemical) Pre-revised Course (80/20) - Marks Pattern		Equivalent Subject in B.E. (Chemical) Revised Course (80/20 - CBC&GS Pattern)
	[OLD]	I	
1	B.E. (Chemical)	[OLD] I	Process Dynamics and Control
2	B.E. (Chemical)	[OLD] I	process equipment Design & Drawing- II
3	B.E. (Chemical)	[OLD] I	Transport Phenomena
4	B.E. (Chemical)	[OLD] I	Industrial Safety and Management
5	B.E. (Chemical)	[OLD] I	Elective-I: Biochemical Engineering
6	B.E. (Chemical)	[OLD] I	Elective-I: Industrial Piping
7	B.E. (Chemical)	[OLD] I	Elective-I: Energy Engineering
8	B.E. (Chemical)	[OLD] II	Process Modeling and Simulation
9	B.E. (Chemical)	[OLD] II	Advanced Separation Processes
10	B.E. (Chemical)	[OLD] II	Petrochemical Engineering
11	B.E. (Chemical)	[OLD] II	Elective-II: Food Technology
12	B.E. (Chemical)	[OLD] II	Elective-II: Polymer Technology
13	B.E. (Chemical)	[OLD] II	Elective-II: Computer Aided design and Optimization


Dean

Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad


(M.S. Pople)