

Board of studies in Mechanical Engineering, Automobile Engineering and Production Engineering under the faculty of Engineering and Technology,
NMU Jalgaon

List of Equivalence courses at TE and BE
TE Mechanical Engineering
Semester -V

Sr. No.	Old Syllabus(2007-2008)	Equivalent (New)Subject
1	Heat Transfer and Mass Transfer	Heat Transfer
2	Machine Design - I	Machine Design - I
3	Numerical Analysis and Computational Methods	Numerical Analysis and Computational Methods - SEM- VI
4	Theory of Machine – II	Theory of Machine – II
5	Internal Combustion Engine	Internal Combustion Engine

TE Mechanical Engineering
Semester-VI

Sr. No.	Old Syllabus(2007-2008)	Equivalent (New)Subject
1	Engineering Metallurgy	No Equivalence
2	Machine Design - II	Machine Design II
3	Turbo Machinery	Turbo Machinery
4	Mechanical Measurement and Metrology	Metrology and Quality Control
5	Project and Business Management	Project and Business Management

BE Mechanical Engineering
Semester -VII

Sr. No.	Old Syllabus(2008-2009)	Equivalent (New)Subject
1	Refrigeration and Air Conditioning	Refrigeration And Air Conditioning
2	CADCAM	CADCAM
3	Mechatronics Systems	Mechatronics Systems Elective - I
4	Operational Research	Operational Research

5	Energy Conservation and Management - Elective- I	Energy Conservation and Management - Elective- Iii
6	Advanced Machine Design - Elective- I	Advanced Machine Design - Elective- I
7	Machine Tool Design - Elective- I	Machine Tool Design - Elective- I
8	Product Development and Rapid Prototyping - Elective- I	No Equivalence
9	Automobile Engineering - Elective- I	Automobile Engineering - I - Elective- I
10	Fluid Machinery - Elective- I	No Equivalence

BE Mechanical Engineering Semester-VIII

Sr. No.	Old Syllabus(2008-2009)	Equivalent (New)Subject
1	Finite Element Analysis and Simulation	Finite Element Analysis and Simulation Techniques
2	Mechanical Vibration	Mechanical Vibration
3	Tribology	Tribology - Elective- II
4	Power Plant Engineering - Elective- II	Power Plant Engineering - Elective- II
5	Process Equipment Design - Elective- II	Process Equipment Design - Elective- II
6	Introduction To Robotics - Elective- II	Introduction To Robotics - Elective- Iii
7	Advanced Welding Technology - Elective- II	Advanced Welding Technology - Elective- III
8	Energy Engineering - Elective- II	No Equivalence
10	Industrial Fluid Power - Elective- II	No Equivalence

List of Equivalence courses at TE and BE
TE Automobile Engineering
Semester -V

Sr. No.	Old Syllabus(2007-2008)	Equivalent (New)Subject
1	Heat Transfer and Mass Transfer	Heat Transfer
2	Design of Machine Element	Design of Machine Element
3	Transport Management and Safety Regulations	Transport Management and Safety Regulations
4	Theory of Machine – II	Theory of Machine – II
5	Finite Element Analysis	Finite Element Analysis SEM- VI

TE Automobile Engineering
Semester-VI

Sr. No.	Old Syllabus(2007-2008)	Equivalent (New)Subject
1	Autotronics	Autotronics
2	Automobile Systems	Automobile Systems
3	Automobile Engines	Internal Combustion Engine SEM-V
4	Mechanical Measurement and Metrology	Mechanical Quality Control
5	Project and Business Management	Project and Business Management

BE Automobile I Engineering
Semester -VII

Sr. No.	Old Syllabus(2008-2009)	Equivalent (New)Subject
1	Vehicle Testing and Evaluation	Vehicle Testing and Evaluation
2	Special Purpose Vehicle	Special Purpose Vehicle Sem- VII
3	Mechatronics Systems	No Equivalence
4	Automobile Electrical Systems	No Equivalence
5	Vehicle Body Engineering - Elective- I	Vehicle Body Engineering - Elective- I
6	Numerical Analysis and Computational Methods - Elective- I	Numerical Analysis And Computational Methods - Elective- I

7	Tribology - Elective- I	Tribology - Elective- I
9	Advanced Welding Technology - Elective- I	Advanced Welding Technology - Elective- III

BE Automobile Engineering Semester-VIII

Sr. No.	Old Syllabus(2008-2009)	Equivalent (New)Subject
1	Automobile Dynamics	Automobile Dynamics
2	Automobile Design	Automobile System Design - Sem- VII
3	Automobile Service and Repair	Automobile Service And Repair Sem- VII
4	Automobile Painting and Collision Repair- Elective - II	Automobile Painting And Collision Repair- Elective - II
5	CADCAM and Automation Elective - II	Computer Aided Design and Computer Aided Manufacturing- Elective - II
6	Supply Chain Management Elective - II	No Equivalence
7	Analysis and Synthesis of Mechanism Elective - II	Analysis and Synthesis of Mechanism Elective - II