

**Equivalence Subjects for SE Computer Engineering (w.e.f. 2013 – 14) at SE Computer Engineering (w.e.f. 2019 – 20)**

<b>Sr. No.</b>	<b>Name of the Subject at SE (Computer Engineering (w.e.f. 2013 – 14))</b>	<b>Name of the Equivalence Subject at SE (Computer Engineering (w.e.f. 2019 – 20))</b>
<b>SEMESTER - III</b>		
1	Engineering Mathematics-III	NO Equivalence
2	Analog & Digital Electronics	NO Equivalence
3	Discrete Structure & Graph Theory	NO Equivalence
4	Microprocessor & Microcontroller	NO Equivalence
5	Object Oriented Technology	NO Equivalence
<b>SEMESTER - IV</b>		
1	Data Communication	NO Equivalence
2	Microprocessor & Microcontroller Interfacing	NO Equivalence
3	Data Structures	NO Equivalence
4	Computer Organization	NO Equivalence
5	Computer Graphics	NO Equivalence

**Equivalence Subjects for SE Information Technology (w.e.f. 2013 – 14) at SE Information Technology (w.e.f. 2019 – 20)**

<b>Sr. No.</b>	<b>Name of the Subject at SE Information Technology (w.e.f. 2013 – 14)</b>	<b>Name of the Equivalence Subject at SE Information Technology (w.e.f. 2019 – 20)</b>
<b>SEMESTER - III</b>		
1	Engineering Mathematics-III	NO Equivalence
2	Information Theory	NO Equivalence
3	Discrete Structure & Graph Theory	NO Equivalence
4	Digital System & Microprocessor	NO Equivalence
5	Object Oriented Technology	NO Equivalence
<b>SEMESTER - IV</b>		
1	Data Communication	NO Equivalence
2	Microprocessor & Microcontroller Interfacing	NO Equivalence
3	Data Structures	NO Equivalence
4	Computer Organization	NO Equivalence
5	Computer Graphics & Multimedia	NO Equivalence

**Equivalence Subjects for TE Computer Engineering (w.e.f. 2014 – 15) at TE Computer Engineering (w.e.f. 2020 – 21)**

<b>Sr. No.</b>	<b>Name of the Subject at TE Computer Engineering (w.e.f. 2014 – 15)</b>	<b>Name of the Equivalence Subject at TE Computer Engineering (w.e.f. 2020 – 21)</b>
<b>SEMESTER - V</b>		
1	Software Engineering	Software Engineering
2	Formal Language & Automata Theory	Formal Language and Automata Theory
3	Computer Network	NO Equivalence
4	System Programming	NO Equivalence
5	Principles of Management	NO Equivalence
<b>SEMESTER - VI</b>		
1	Operating System	Operating Systems
2	Object Oriented Modeling & Design	NO Equivalence
3	Database Management System	NO Equivalence
4	Analysis & Design of Algorithms	Design and Analysis of Algorithms
5	Management Information System	NO Equivalence

**Equivalence Subjects for TE Information Technology (w.e.f. 2014 – 15) at TE Information Technology (w.e.f. 2020 – 21)**

<b>Sr. No.</b>	<b>Name of the Subject at TE Information Technology (w.e.f. 2014 – 15)</b>	<b>Name of the Equivalence Subject at TE Information Technology (w.e.f. 2020 – 21)</b>
<b>SEMESTER - V</b>		
1	Software Engineering	Software Engineering
2	Formal Language & Automata Theory	Formal Language and Automata Theory
3	Computer Network	NO Equivalence
4	System Programming	NO Equivalence
5	Principles of Management	NO Equivalence
<b>SEMESTER - VI</b>		
1	Operating System	Operating Systems
2	Object Oriented Modeling & Design	NO Equivalence
3	Database Management System	NO Equivalence
4	E-Commerce	NO Equivalence
5	Management Information System	NO Equivalence

**Equivalence Subjects for TE Computer Engineering (w.e.f. 2019 – 20) at TE Computer Engineering (w.e.f. 2020 – 21)**

<b>Sr. No.</b>	<b>Name of the Subject at TE Computer Engineering (w.e.f. 2019 – 20)</b>	<b>Name of the Equivalence Subject at TE Computer Engineering (w.e.f. 2020 – 21)</b>
<b>SEMESTER - V</b>		
1	Database Management Systems **	Database Management Systems **
2	Software Engineering **	Software Engineering **
3	Formal Language and Automata Theory**	Formal Language and Automata Theory**
4	<b>Professional Elective Course – I</b>	<b>Professional Elective Course – I</b>
	Artificial Intelligence **	Artificial Intelligence **
	Advanced Computer Architecture **	Advanced Computer Architecture **
	Computer Graphics	Computer Graphics
	Information Theory and Coding	Information Theory and Coding
5	<b>Open Elective Course – I</b>	<b>Open Elective Course – I</b>
	Operations Research**	Operations Research**
	Renewable Energy Sources **	Renewable Energy Sources **
	Cyber Law and Ethics**	Cyber Law and Ethics**
	E-waste Management**	E-waste Management**
<b>SEMESTER - VI</b>		
1	Operating Systems**	Operating Systems**
2	Computer Networks**	Computer Networks**
3	Design and Analysis of Algorithms**	Design and Analysis of Algorithms**
4	<b>Professional Elective Course – II</b>	<b>Professional Elective Course – II</b>
	Neural Networks **	Neural Networks **
	Embedded Systems**	Embedded Systems**
	Image Processing	Image Processing
	Software Metrics & Quality Assurance	Software Metrics & Quality Assurance
5	<b>Open Elective Course – II</b>	<b>Open Elective Course – II</b>
	Project Management**	Project Management**
	Managing Innovation and Entrepreneurship**	Managing Innovation and Entrepreneurship**
	Supply Chain Management-Planning**	Supply Chain Management-Planning**
	Information Sources and Literacy**	Information Sources and Literacy**

**Equivalence Subjects for TE Information Technology (w.e.f. 2019 – 20) at TE Information Technology (w.e.f. 2020 – 21)**

<b>Sr. No.</b>	<b>Name of the Subject at TE Information Technology (w.e.f. 2019 – 20)</b>	<b>Name of the Equivalence Subject at TE Information Technology (w.e.f. 2020 – 21)</b>
<b>SEMESTER - V</b>		
1	Database Management Systems **	Database Management Systems **
2	Software Engineering **	Software Engineering **
3	Formal Language and Automata Theory**	Formal Language and Automata Theory**
4	<b>Professional Elective Course – I</b>	<b>Professional Elective Course – I</b>
	Artificial Intelligence **	Artificial Intelligence **
	Advanced Computer Architecture **	Advanced Computer Architecture **
	Data Compression	Data Compression
	E-Commerce	E-Commerce
5	<b>Open Elective Course – I</b>	<b>Open Elective Course – I</b>
	Operations Research**	Operations Research**
	Renewable Energy Sources **	Renewable Energy Sources **
	Cyber Law and Ethics**	Cyber Law and Ethics**
	E-waste Management**	E-waste Management**
<b>SEMESTER - VI</b>		
1	Operating Systems**	Operating Systems**
2	Computer Networks**	Computer Networks**
3	Design and Analysis of Algorithms**	Design and Analysis of Algorithms**
4	<b>Professional Elective Course – II</b>	<b>Professional Elective Course – II</b>
	Neural Networks **	Neural Networks **
	Embedded Systems**	Embedded Systems**
	Web Security	<b>NO Equivalence</b>
	Management Information System	Management Information System
5	<b>Open Elective Course – II</b>	<b>Open Elective Course – II</b>
	Project Management**	Project Management**
	Managing Innovation and Entrepreneurship**	Managing Innovation and Entrepreneurship**
	Supply Chain Management-Planning**	Supply Chain Management-Planning**
	Information Sources and Literacy**	Information Sources and Literacy**

**Equivalence Subjects for BE Computer Engineering (w.e.f. 2015 – 16) at BE Computer Engineering (w.e.f. 2020 – 21)**

<b>Sr. No.</b>	<b>Name of the Subject at BE Computer Engineering (w.e.f. 2015 – 16)</b>	<b>Name of the Equivalence Subject at BE Computer Engineering (w.e.f. 2020 – 21)</b>
<b>SEMESTER - VII</b>		
1	Advanced Unix Programming*	NO Equivalence
2	Artificial Intelligence & Expert System	NO Equivalence
3	<b>Interdisciplinary Elective*</b>	NO Equivalence
	Software Engineering & Project Management	NO Equivalence
	Enterprise Resource Planning and SAP	NO Equivalence
4	<b>Elective - I</b>	
	Advanced Computer Architecture	NO Equivalence
	Android Programming*	NO Equivalence
	Human Computer Interaction*	NO Equivalence
	Advanced Computer Network	NO Equivalence
5	Embedded System*	NO Equivalence
<b>SEMESTER - VIII</b>		
1	Compiler Design	NO Equivalence
2	Data Warehousing & Mining*	NO Equivalence
3	<b>Elective - II</b>	
	Software Metrics & Quality Assurance*	NO Equivalence
	Distributed System*	NO Equivalence
	Cryptography & Network Security*	NO Equivalence
	Neural Network & Fuzzy Logic*	NO Equivalence
4	<b>Elective - III</b>	
	Mobile Computing*	NO Equivalence
	Bio-Informatics*	NO Equivalence
	Real Time System	NO Equivalence
	iPhone Programming*	NO Equivalence

**Equivalence Subjects for BE Information Technology (w.e.f. 2015 – 16) at BE Information Technology (w.e.f. 2020 – 21)**

<b>Sr. No.</b>	<b>Name of the Subject at BE Information Technology (w.e.f. 2015 – 16)</b>	<b>Name of the Equivalence Subject at BE Information Technology (w.e.f. 2020 – 21)</b>
<b>SEMESTER - VII</b>		
1	Advanced Unix Programming*	NO Equivalence
2	Enterprise Resource Planning	NO Equivalence
3	<b>Interdisciplinary Elective*</b>	NO Equivalence
	Software Engineering & Project Management	NO Equivalence
	Enterprise Resource Planning and SAP	NO Equivalence
4	<b>Elective - I</b>	
	Pattern Recognition	NO Equivalence
	Android Programming*	NO Equivalence
	Human Computer Interaction*	NO Equivalence
	Artificial Intelligence	NO Equivalence
5	Embedded System*	NO Equivalence
<b>SEMESTER - VIII</b>		
1	Internet Security	NO Equivalence
2	Data Warehousing & Mining*	NO Equivalence
3	<b>Elective - II</b>	
	Software Metrics & Quality Assurance*	NO Equivalence
	Distributed System*	NO Equivalence
	Cryptography & Network Security*	NO Equivalence
	Neural Network & Fuzzy Logic*	NO Equivalence
4	<b>Elective - III</b>	
	Mobile Computing*	NO Equivalence
	Bio-Informatics*	NO Equivalence
	Cloud Computing	NO Equivalence
	iPhone Programming*	NO Equivalence