

**FOUR YEAR BACHELOR OF ENGINEERING (B.E.) DEGREE COURSE**  
**SEMESTER: THIRD**  
**BRANCH: COMPUTER SCIENCE & ENGINEERING**

Code	Subject	Workload				Credit				Marks				
		L	P	T	Total	L	P	T	Total	Theory		Practical		Total Marks
										Sess.	Univ.	Sess.	Uni	
1 BECSE201T	Applied Mathematics	4	-	1	5	4	-	1	5	20	80	-	-	100
2 BECSE202T	Advance "C" & Programming Logic Design	4	-	1	5	4	-	1	5	20	80	-	-	100
3 BECSE202P	Advance "C" & Programming Logic Design lab	-	2	-	2	-	1	-	1	-	-	25	25	50
4 BECSE203T	Digital Circuits & Fund. of Microprocessor	4	-	1	5	4	-	1	5	20	80	-	-	100
5 BECSE203P	Digital Circuits & Fund. of Microprocessor lab	-	2	-	2	-	1	-	1	-	-	25	25	50
6 BECSE204T	Ethics in IT	3	-	1	4	3	-	1	4	20	80	-	-	100
7 BECSE205T	Computer Architecture and Organization	4	-	1	5	4	-	1	5	20	80	-	-	100
8 BECSE206P	Computer Workshop - 1 Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
9 BECSE207T	Environmental Engineering (Audit Course)	2	-	-	2	-	-	-	0	-	-	-	-	-
<b>Total</b>		<b>21</b>	<b>6</b>	<b>5</b>	<b>32</b>	<b>19</b>	<b>3</b>	<b>5</b>	<b>27</b>	<b>100</b>	<b>400</b>	<b>75</b>	<b>75</b>	<b>650</b>

**FOUR YEAR BACHELOR OF ENGINEERING (B.E.) DEGREE COURSE**  
**SEMESTER: FOURTH**  
**BRANCH: COMPUTER SCIENCE & ENGINEERING**

Sr. No.	Subject	Workload				Credit				Marks				
		L	P	T	Total	L	P	T	Total	Theory		Practical		Total Marks
										Sess	Univ.	Sess.	Uni	
1 BECSE208T	Discrete Mathematics & Graph Theory	3	-	1	4	3	-	1	4	20	80	-	-	100
2 BECSE209T	Data Structures & Program Design	4	-	1	5	4	-	1	5	20	80	-	-	100
3 BECSE209P	Data Structures & Program Design Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
4 BECSE210T	Operating System	4	-	1	5	4	-	1	5	20	80	-	-	100
5 BECSE210P	Operating System lab	-	2	-	2	-	1	-	1	-	-	25	25	50
6 BECSE211T	Theoretical Foundations of Computer Science	4	-	1	5	4	-	1	5	20	80	-	-	100
7 BECSE212T	System Programming	4	-	1	5	4	-	1	5	20	80	-	-	100
8 BECSE213P	Computer Workshop -2 Lab	-	2	-	2	-	2	-	2	-	-	25	25	50
	<b>Total</b>	<b>19</b>	<b>6</b>	<b>5</b>	<b>30</b>	<b>19</b>	<b>4</b>	<b>5</b>	<b>28</b>	<b>100</b>	<b>400</b>	<b>75</b>	<b>75</b>	<b>650</b>

FOUR YEAR BACHELOR OF ENGINEERING (B.E.) DEGREE COURSE

**SEMESTER: FIFTH**

**BRANCH: COMPUTER SCIENCE & ENGINEERING**

Sr. No.	Subject	Workload				Credit				Marks				
		L	P	T	Total	L	P	T	Total	Theory		Practical		Total Marks
										Sess	Univ.	Sess.	Uni	
1 BECSE301T	Data Communication	3	-	1	4	3	-	1	4	20	80	-	-	100
2 BECSE302T	Object Oriented Programming	4	-	1	5	4	-	1	5	20	80	-	-	100
3 BECSE302P	Object Oriented Programming Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
4 BECSE303T	Database Management System	4	-	1	5	4	-	1	5	20	80	-	-	100
5 BECSE303P	Database Management System Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
6 BECSE304T	Computer Graphics	4	-	1	5	4	-	1	5	20	80	-	-	100
7 BECSE305T	Design & Analysis of Algorithms	4	-	1	5	4	-	1	5	20	80	-	-	100
8 BECSE305P	Design & Analysis of Algorithms lab	-	2	-	2	-	1	-	1	-	-	25	25	50
	<b>Total</b>	<b>19</b>	<b>6</b>	<b>5</b>	<b>30</b>	<b>19</b>	<b>3</b>	<b>5</b>	<b>27</b>	<b>100</b>	<b>400</b>	<b>75</b>	<b>75</b>	<b>650</b>

FOUR YEAR BACHELOR OF ENGINEERING (B.E.) DEGREE COURSE

**SEMESTER: SIXTH**

**BRANCH: COMPUTER SCIENCE & ENGINEERING**

Sr. No.	Subject	Workload				Credit				Marks				
		L	P	T	Total	L	P	T	Total	Theory		Practical		Total Marks
										Sess.	Univ.	Sess.	Uni	
1 BECSE306T	Artificial Intelligence	4	-	1	5	4	-	1	5	20	80	-	-	100
2 BECSE307T	Design Patterns	4	-	1	5	4	-	1	5	20	80	-	-	100
3 BECSE307P	Design Patterns lab	-	2	-	2	-	1	-	1	-	-	25	25	50
4 BECSE308T	Communication Skill	3	-	1	4	3	-	1	4	20	80	-	-	100
5 BECSE309T	Software Engineering & Project Management	4	-	1	5	4	-	1	5	20	80	-	-	100
6 BECSE310T	Computer Networks	4	-	1	5	4	-	1	5	20	80	-	-	100
7 BECSE310P	Computer Networks Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
8 BECSE311P	Mini Project	-	2	-	2	-	2	-	2	-	-	25	25	50
	<b>Total</b>	<b>19</b>	<b>6</b>	<b>5</b>	<b>30</b>	<b>19</b>	<b>4</b>	<b>5</b>	<b>28</b>	<b>100</b>	<b>400</b>	<b>75</b>	<b>75</b>	<b>650</b>

FOUR YEAR BACHELOR OF ENGINEERING (B.E.) DEGREE COURSE

**SEMESTER: SEVENTH**

**BRANCH: COMPUTER SCIENCE & ENGINEERING**

Sr. No.	Subject	Workload				Credit				Marks				
		L	P	T	Total	L	P	T	Total	Theory		Practical		Total Marks
										Sess.	Univ.	Sess.	Uni	
1 BECSE401T	Data Warehousing & Mining	4	-	1	5	4	-	1	5	20	80	-	-	100
2 BECSE401P	Data Warehousing & Mining Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
3 BECSE402T	Language Processor	4	-	1	5	4	-	1	5	20	80	-	-	100
4 BECSE402P	Language Processor Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
5 BECSE403T	ELECTIVE-I	4	-	1	5	4	-	1	5	20	80	-	-	100
6 BECSE404T	ELECTIVE-II	4	-	1	5	4	-	1	5	20	80	-	-	100
7 BECSE405P	Project and Seminar	-	3	-	3	-	3	-	3	-	-	25	25	50
	<b>Total</b>	<b>16</b>	<b>7</b>	<b>4</b>	<b>27</b>	<b>16</b>	<b>5</b>	<b>4</b>	<b>25</b>	<b>80</b>	<b>320</b>	<b>75</b>	<b>75</b>	<b>550</b>

Elective I: TCP and IP, Advanced Computer Architecture, Big Data Analysis & Business Intelligence, Parallel and Network Algorithm.

Elective II: Computational Geometry, Mobile Computing, Real Time Operating System, Software Architecture, Mainframe Technologies

**FOUR YEAR BACHELOR OF ENGINEERING (B.E.) DEGREE COURSE**  
**SEMESTER: EIGHTH**  
**BRANCH: COMPUTER SCIENCE & ENGINEERING**

Sr. No.	Subject	Workload				Credit				Marks				
		L	P	T	Total	L	P	T	Total	Theory		Practical		Total Marks
										Sess.	Univ.	Sess.	Uni	
1 BECSE406T	Distributed Operating system	4	-	1	5	4	-	1	5	20	80	-	-	100
2 BECSE406P	Distributed Operating system Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
3 BECSE407T	Information & Cyber Security	4	-	1	5	4	-	1	5	20	80	-	-	100
4 BECSE407P	Information & Cyber Security Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
5 BECSE408T	ELECTIVE-III	4	-	1	5	4	-	1	5	20	80	-	-	100
6 BECSE409T	ELECTIVE-IV	4	-	1	5	4	-	1	5	20	80	-	-	100
7 BECSE410P	Project & Seminar	-	5	-	5	-	5	-	5	-	-	75	75	150
	<b>Total</b>	<b>16</b>	<b>9</b>	<b>4</b>	<b>29</b>	<b>16</b>	<b>7</b>	<b>4</b>	<b>27</b>	<b>80</b>	<b>320</b>	<b>125</b>	<b>125</b>	<b>650</b>

**Elective III:** Pattern Recognition, Soft Computing Techniques, Optimization Techniques, Clustering & Cloud Computing

**Elective IV:** Advance Wireless Sensor Network, Digital Image Processing, Natural Language Processing, Digital Forensic.