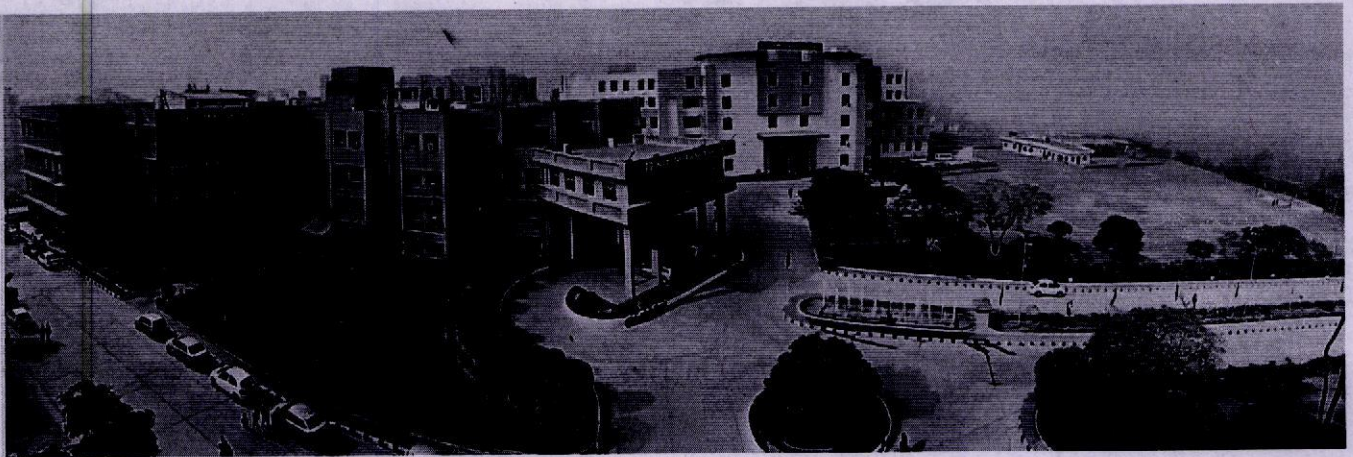


**SGT University, Chandu-Budhera, Gurugram**

**Faculty of Engineering & Technology**

**Department of Computer Science & Engineering**



**B. Tech. Computer Science & Engineering**

**(B.Tech in CSE with Specialization in AI/ML, Full Stack Web Development and Cloud Computing, Cyber Security & Block Chain, iOS and Mobile Application Development, Gaming & Augmented Reality (Immersive Experience))**

**Scheme & Syllabus (2021-22 Onwards)**

**Vision of SGT University**

**“Driven by Research & Innovation, we aspire to be amongst the top ten Universities in the Country by 2022”**

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech Computer Science & Engineering

S. No.	Subject Code	Subject Name	Semester	L	T	P	C	Category A (Core/ ID/ VAC	Category B (Compulsory/ DE/ BSC/ EAS/ OE/ MC/ II/ MOOC)	Internal	External	Theory/ Practical
1		Applied Physics	1st	3	0	0	3	ID	BSC	40	60	Theory
2		Design Thinking	1st	3	0	0	3	ID	EAS	40	60	Theory
3		Computer Fundamental	1st	3	0	0	3	Core	Compulsory	40	60	Theory
4		Communication Skills-I	1st	2	0	0	2	ID	EAS	40	60	Theory
5		Object Oriented Programming	1st	3	0	0	3	Core	Compulsory	40	60	Theory
6		Value Addition Course-I	1st	2	0	0	2	VAC	VAC	40	60	Theory
7		Computer Fundamental Lab	1st	0	0	2	1	Core	Compulsory	60	40	Practical
8		Object Oriented Programming Lab	1st	0	0	2	1	Core	Compulsory	60	40	Practical
9		Communication Skills-I Lab	1st	0	0	2	1	ID	EAS	60	40	Practical
10		Ability Enhancement Mandatory Course I	1st	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	<b>1st</b>	<b>18</b>	<b>0</b>	<b>6</b>	<b>21</b>					
1		Applied Mathematics	2nd	3	0	0	3	ID	BSC	40	60	Theory
2		Java Programming	2nd	2	0	0	2	Core	Compulsory	40	60	Theory
3		Basics of Data Structure	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
4		Web Development	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
5		Computer Architecture	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
6		Java Programming Lab	2nd	0	0	4	2	Core	Compulsory	60	40	Practical
7		Basics of Data Structure Lab	2nd	0	0	2	1	Core	Compulsory	60	40	Practical
8		Web Development Lab	2nd	0	0	2	1	Core	Compulsory	60	40	Practical
9		Engineering Graphics and Design Lab	2nd	0	0	2	1	ID	EAS	60	40	Practical
10		Ability Enhancement Mandatory Course II	2nd	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	<b>2nd</b>	<b>16</b>	<b>0</b>	<b>10</b>	<b>21</b>					
1		Operating System	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
2		Database Management Systems	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-I	3rd	3	0	0	3	Core	DE	40	60	Theory
4		Department Electives-II	3rd	3	0	0	3	Core	DE	40	60	Theory
5		Open Elective-I	3rd	4	0	0	4	ID	OE	40	60	Theory
6		Operating System Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
7		Database Management Systems Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
8		Department Electives Lab-I	3rd	0	0	2	1	Core	DE	60	40	Practical
9		Industrial Internship	3rd	0	0	4w	2	Core	II	60	40	Practical
10		Value Addition Course-II	3rd	2	0	0	2	VAC	VAC	60	40	Theory
11		Ability Enhancement Mandatory Course III	3rd	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	<b>3rd</b>	<b>20</b>	<b>0</b>	<b>6</b>	<b>25</b>					



1		Design and Analysis of Algorithm	4th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Software Engineering	4th	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-III	4th	3	0	0	3	Core	DE	40	60	Theory
4		Department Electives-IV	4th	3	0	0	3	Core	DE	40	60	Theory
5		Medical imaging techniques	4th	3	0	0	3	ID	EAS	40	60	Theory
6		Open Elective-II	4th	4	0	0	4	ID	OE	40	60	Theory
7		Design and Analysis of Algorithm Lab	4th	0	0	2	1	Core	Compulsory	60	40	Practical
8		Department Electives Lab-III	4th	0	0	2	1	Core	DE	60	40	Practical
9		Research Methodology	4th	3	0	0	3	ID	EAS	60	40	Theory
		<b>Total</b>	4th	22	0	4	24					
1		Theory of Computation	5th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Data Communication & Networking	5th	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-V	5th	3	0	0	3	Core	DE	40	60	Theory
4		Department Electives-VI	5th	3	0	0	3	Core	DE	40	60	Theory
5		Open Elective-III	5th	4	0	0	4	ID	OE	40	60	Theory
6		Medical informatics	5th	3	0	0	3	ID	EAS	40	60	Theory
7		Data Communication & Networking Lab	5th	0	0	2	1	Core	Compulsory	60	40	Practical
8		Department Electives Lab-VI	5th	0	0	2	1	Core	DE	60	40	Practical
9		Ability Enhancement Mandatory Course IV	5th	2	0	0	2	ID	MC	40	60	Theory
10		Industrial Training-I	5th	0	0	4w	2	Core	II	60	40	Practical
		<b>Total</b>	5th	21	0	4	25					
1		Compiler Design	6th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Artificial Intelligence	6th	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-VII	6th	3	0	0	3	Core	DE	40	60	Theory
4		Department Electives-VIII	6th	3	0	0	3	Core	DE	40	60	Theory
5		Open Elective-IV	6th	4	0	0	4	ID	OE	40	60	Theory
6		Compiler Design Lab	6th	0	0	2	1	Core	Compulsory	60	40	Practical
7		Artificial Intelligence Lab	6th	0	0	2	1	Core	Compulsory	60	40	Practical
8		Value Addition Course-III	6th	2	0	0	2	VAC	VAC	60	40	Theory
		<b>Total</b>	6th	18	0	4	20					

Registrar  
Sri University  
Budhera, Gurugram



1		Department Electives-IX	7th	3	0	0	3	Core	DE	40	60	Theory
2		Embedded system and its Biomedical applications	7th	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-X	7th	3	0	0	3	Core	DE	40	60	Theory
4		Department Electives Lab-IX	7th	0	0	2	1	Core	DE	60	40	Practical
5		Capstone Project	7th	0	0	4	2	Core	Compulsory	60	40	Practical
6		Industrial Training-II	7th	0	0	6w	3	Core	II	60	40	Practical
7		Value Addition Course-IV	7th	2	0	0	2	VAC	VAC	40	60	Theory
		<b>Total</b>	<b>7th</b>	<b>11</b>	<b>0</b>	<b>6</b>	<b>17</b>					
1		Industrial Internship with Project (Industrial oriented/Research oriented)	8th	-	-	20W	10	Core	II	100	100	Practical
		<b>Total</b>	<b>8th</b>				<b>10</b>					
		<b>Overall Total</b>	<b>1st to 8th</b>				<b>163</b>					

**Note:**

1. Mooc Course: Student will be offered various available SWAYAM MOOC Courses in lieu of various regular core (Compulsory and Department Electives) courses. A student can opt maximum of 2 MOOC courses in a semester for credit transfer with prior permission and out of the list published by the department prior to start of the semester.
2. Student can opt for Honours degree by earning 18 - 20 additional credits through SWAYAM MOOC courses but with prior permission of the department and limit to the courses related to the Discipline.
3. A student can have Honours degree WITH SPECIALIZATION in the particular of his/her branch by earning 18-20 additional credits in particular specialization through MOOC or Departmental Elective bucket with Permission of the Department
4. Courses Highlighted in green need to be fixed according to the group (ME+CE in one group and CSE+ECE other group. Value added, RM and Mandatory courses also need to be fixed in numbers but department can put in any semester as per requirement (In order to balance the courses and credits in a semester. Internship credits need to be fixed as shown above.

**Abbreviation Used:**

ID	Interdisciplinary
VAC	Value Addition Course
DE	Department Electives
BSC	Basic Science Courses
EAS	Engineering Applied Science
II	Industrial Internship
MC	Mandatory Courses (Non- Credit

Credit Distribution

Core Credits

Other Credits

Interdisciplinary Credits



Core	109
Other (Interdisciplinary + VAC)	54
<b>Total</b>	<b>163</b>

Compulsory	58
Department Electives	34
Industrial Internship	17
<b>Total</b>	<b>109</b>

Interdisciplinary	46
VAC	8
<b>Total</b>	<b>54</b>

Basic Science Courses		6
Engineering Applied Science		16
Open Elective		16
Mandatory Courses - 4 Courses (Non-Credit)		8
<b>Total</b>		<b>46</b>

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech Computer Science & Engineering (Research)

S. No.	Subject Code	Subject Name	Semester	L	T	P	C	Category A (Core/ ID/ VAC	Category B (Compulsory/ DE/ BSC/ EAS/ OE/ MC/ II/	Internal	External	Theory/ Practical
1		Applied Physics	1st	3	0	0	3	ID	BSC	40	60	Theory
2		Design Thinking	1st	3	0	0	3	ID	EAS	40	60	Theory
3		Computer Fundamental	1st	3	0	0	3	Core	Compulsory	40	60	Theory
4		Communication Skills-I	1st	2	0	0	2	ID	EAS	40	60	Theory
5		Object Oriented Programming	1st	3	0	0	3	Core	Compulsory	40	60	Theory
6		Value Addition Course-I	1st	2	0	0	2	VAC	VAC	40	60	Theory
7		Computer Fundamental Lab	1st	0	0	2	1	Core	Compulsory	60	40	Practical
8		Object Oriented Programming Lab	1st	0	0	2	1	Core	Compulsory	60	40	Practical
9		Communication Skills-I Lab	1st	0	0	2	1	ID	EAS	60	40	Practical
10		Ability Enhancement Mandatory Course I	1st	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	<b>1st</b>	<b>18</b>	<b>0</b>	<b>6</b>	<b>21</b>					
1		Applied Mathematics	2nd	3	0	0	3	ID	BSC	40	60	Theory
2		Java Programming	2nd	2	0	0	2	Core	Compulsory	40	60	Theory
3		Basics of Data Structure	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
4		Web Development	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
5		Computer Architecture	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
6		Java Programming Lab	2nd	0	0	4	2	Core	Compulsory	60	40	Practical
7		Basics of Data Structure Lab	2nd	0	0	2	1	Core	Compulsory	60	40	Practical
8		Web Development Lab	2nd	0	0	2	1	Core	Compulsory	60	40	Practical
9		Engineering Graphics and Design Lab	2nd	0	0	2	1	ID	EAS	60	40	Practical
10		Ability Enhancement mandatory Course II	2nd	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	<b>2nd</b>	<b>16</b>	<b>0</b>	<b>10</b>	<b>21</b>					
1		Operating System	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
2		Database Management Systems	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-I	3rd	3	0	0	3	Core	DE	40	60	Theory
4		Department Electives-II	3rd	3	0	0	3	Core	DE	40	60	Theory
5		Open Elective-I	3rd	4	0	0	4	ID	OE	40	60	Theory
6		Operating System Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
7		Database Management Systems Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
8		Department Electives Lab-I	3rd	0	0	2	1	Core	DE	60	40	Practical
9		Industrial Internship	3rd	0	0	4w	2	Core	II	60	40	Practical
10		Value Addition Course-II	3rd	2	0	0	2	VAC	VAC	60	40	Theory
11		Ability Enhancement mandatory Course III	3rd	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	<b>3rd</b>	<b>20</b>	<b>0</b>	<b>6</b>	<b>25</b>					



1	Design and Analysis of Algorithm	4th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Software Engineering	4th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Department Electives-II	4th	3	0	0	3	Core	DE	40	60	Theory
4	Department Electives-IV	4th	3	0	0	3	Core	DE	40	60	Theory
5	Medical imaging techniques	4th	3	0	0	3	ID	EAS	40	60	Theory
6	Open Elective-II	4th	4	0	0	4	ID	OE	40	60	Theory
7	Design and Analysis of Algorithm Lab	4th	0	0	2	1	Core	Compulsory	60	40	Practical
8	Department Electives Lab-III	4th	0	0	2	1	Core	DE	60	40	Practical
9	Research Methodology	4th	3	0	0	3	ID	EAS	60	40	Theory
	<b>Total</b>	4th	22	0	4	24					
1	Theory of Computation	5th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Data Communication & Networking	5th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Department Electives-V	5th	3	0	0	3	Core	DE	40	60	Theory
4	Department Electives-VI	5th	3	0	0	3	Core	DE	40	60	Theory
5	Open Elective-III	5th	4	0	0	4	ID	OE	40	60	Theory
6	Medical informatics	5th	3	0	0	3	ID	EAS	40	60	Theory
7	Data Communication & Networking Lab	5th	0	0	2	1	Core	Compulsory	60	40	Practical
8	Department Electives Lab-VI	5th	0	0	2	1	Core	DE	60	40	Practical
9	Ability Enhancement mandatory Course IV	5th	2	0	0	2	ID	MC	40	60	Theory
10	Industrial Training-I	5th	0	0	4w	2	Core	II	60	40	Practical
	<b>Total</b>	5th	21	0	4	25					
1	Compiler Design	6th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Artificial Intelligence	6th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Department Electives-VII	6th	3	0	0	3	Core	DE	40	60	Theory
4	Department Electives-VIII	6th	3	0	0	3	Core	DE	40	60	Theory
5	Open Elective-IV	6th	4	0	0	4	ID	OE	40	60	Theory
6	Compiler Design Lab	6th	0	0	2	1	Core	Compulsory	60	40	Practical
7	Artificial Intelligence Lab	6th	0	0	2	1	Core	Compulsory	60	40	Practical
8	Value Addition Course-III	6th	2	0	0	2	VAC	VAC	60	40	Theory
	<b>Total</b>	6th	18	0	4	20					

Registrar  
SGT University  
Budhara, Gurugram



1	Department Electives-IX	7th	3	0	0	3	Core	DE	40	60	Theory
2	Embedded system and its Biomedical Applications	7th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Department Electives-X	7th	3	0	0	3	Core	DE	40	60	Theory
4	Department Electives Lab-IX	7th	0	0	2	1	Core	DE	40	60	Practical
5	Research Phase-I	7th	-	-	-	10	Core	Research Track	60	40	Practical
6	Industrial Training-II	7th	0	0	6w	3	Core	II	60	40	Practical
7	Value Addition Course-IV	7th	2	0	0	2	VAC	VAC	40	60	Theory
	<b>Total</b>	<b>7th</b>	<b>11</b>	<b>0</b>	<b>2</b>	<b>25</b>					
1	Department Electives-XI	8th	3	0	0	3	Core	DE	40	60	Theory
2	Department Electives-XII	8th	3	0	0	3	Core	DE	40	60	Theory
3	IPR and Patenting	8th	3	0	0	3	Core	EAS	60	40	Practical
4	Research Phase-II	8th	-	-	-	10	Core	Research Track	60	40	Practical
	<b>Total</b>	<b>8th</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>19</b>					
	<b>Overall Total</b>	<b>1st to 8th</b>				<b>180</b>					

**Note:**

1. Mooc Course: Student will be offered various available SWAYAM MOOC Courses in lieu of various regular core (Compulsory and Department)
2. Student can opt for Honours degree by earning 18 - 20 additional credits through SWAYAM MOOC courses but with prior permission of the
3. A student can have Honours degree WITH SPECIALIZATION in the particular of his/her branch by earning 18-20 additional credits in particular
4. Courses Highlighted in green need to be fixed according to the group (ME+CE in one group and CSE+ECE other group. Value added, RM and

**Abbreviation Used:**

ID	Interdisciplinary
VAC	Value Addition Course
DE	Department Electives
BSC	Basic Science Courses
EAS	Engineering Applied Science
II	Industrial Internship
MC	Mandatory Courses (Non- Credit)

Credit	
Core	123
Other (Inter disciplinary)	57
<b>Total</b>	<b>180</b>

Core Credits	
Compulsory	56
Department Electives	40
Industrial Internship	7
Research Track	20
<b>Total</b>	<b>123</b>

Other Credits	
Interdisciplinary	49
VAC	8
<b>Total</b>	<b>57</b>

Interdisciplinary Credits	
Basic Science Courses	6
Engineering Applied Science	19
Open Elective	16
Mandatory Courses - 4	8
Courses (Non- Total)	49

Registrar  
SGT University  
Budhna, Gurugram



## B-Tech Computer Science & Engineering (Integrated)

S. No.	Subject Code	Subject Name	Semester	L	T	P	C	Category A (Core/ ID/ VAC	Category B (Compulsory/ DE/ BSC/ EAS/ OE/ MC/ II/ MOOC)	Internal	External	Theory/ Practical
1		Applied Physics	1st	3	0	0	3	ID	BSC	40	60	Theory
2		Design Thinking	1st	3	0	0	3	ID	EAS	40	60	Theory
3		Computer Fundamental	1st	3	0	0	3	Core	Compulsory	40	60	Theory
4		Communication Skills-I	1st	2	0	0	2	ID	EAS	40	60	Theory
5		Object Oriented Programming	1st	3	0	0	3	Core	Compulsory	40	60	Theory
6		Value Addition Course-I	1st	2	0	0	2	VAC	VAC	40	60	Theory
7		Computer Fundamental Lab	1st	0	0	2	1	Core	Compulsory	60	40	Practical
8		Object Oriented Programming Lab	1st	0	0	2	1	Core	Compulsory	60	40	Practical
9		Communication Skills-I Lab	1st	0	0	2	1	ID	EAS	60	40	Practical
10		Ability Enhancement Mandatory Course I	1st	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	<b>1st</b>	<b>18</b>	<b>0</b>	<b>6</b>	<b>21</b>					
1		Applied Mathematics	2nd	3	0	0	3	ID	BSC	40	60	Theory
2		Java Programming	2nd	2	0	0	2	Core	Compulsory	40	60	Theory
3		Basics of Data Structure	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
4		Web Development	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
5		Computer Architecture	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
6		Java Programming Lab	2nd	0	0	4	2	Core	Compulsory	60	40	Practical
7		Basics of Data Structure Lab	2nd	0	0	2	1	Core	Compulsory	60	40	Practical
8		Web Development Lab	2nd	0	0	2	1	Core	Compulsory	60	40	Practical
9		Engineering Graphics and Design Lab	2nd	0	0	2	1	ID	EAS	60	40	Practical
10		Ability Enhancement Mandatory Course II	2nd	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	<b>2nd</b>	<b>16</b>	<b>0</b>	<b>10</b>	<b>21</b>					
1		Operating System	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
2		Database Management Systems	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-I	3rd	3	0	0	3	Core	DE	40	60	Theory
4		Department Electives-II	3rd	3	0	0	3	Core	DE	40	60	Theory
5		Open Elective-I	3rd	4	0	0	4	ID	OE	40	60	Theory
6		Operating System Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
7		Database Management Systems Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
8		Department Electives Lab-I	3rd	0	0	2	1	Core	DE	60	40	Practical
9		Industrial Internship	3rd	0	0	4w	2	Core	II	60	40	Practical
10		Value Addition Course-II	3rd	2	0	0	2	VAC	VAC	60	40	Theory
11		Ability Enhancement Mandatory Course III	3rd	2	0	0	2	ID	MC	40	60	Theory

Registrar  
 GT University  
 Vidhara, Gurugram



		<b>Total</b>	<b>3rd</b>	<b>20</b>	<b>0</b>	<b>6</b>	<b>25</b>					
1		Design and Analysis of Algorithm	4th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Software Engineering	4th	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-III	4th	3	0	0	3	Core	DE	40	60	Theory
4		Department Electives-IV	4th	3	0	0	3	Core	DE	40	60	Theory
5		Medical imaging techniques	4th	3	0	0	3	ID	EAS	40	60	Theory
6		Open Elective-II	4th	4	0	0	4	ID	OE	40	60	Theory
7		Design and Analysis of Algorithm Lab	4th	0	0	2	1	Core	Compulsory	60	40	Practical
8		Department Electives Lab-III	4th	0	0	2	1	Core	DE	60	40	Practical
9		Research Methodology	4th	3	0	0	3	ID	EAS	60	40	Theory
		<b>Total</b>	<b>4th</b>	<b>22</b>	<b>0</b>	<b>4</b>	<b>24</b>					
1		Theory of Computation	5th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Data Communication & Networking	5th	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-V	5th	3	0	0	3	Core	DE	40	60	Theory
4		Department Electives-VI	5th	3	0	0	3	Core	DE	40	60	Theory
5		Open Elective-III	5th	4	0	0	4	ID	OE	40	60	Theory
6		Medical informatics	5th	3	0	0	3	ID	EAS	40	60	Theory
7		Data Communication & Networking Lab	5th	0	0	2	1	Core	Compulsory	60	40	Practical
8		Department Electives Lab-VI	5th	0	0	2	1	Core	DE	60	40	Practical
9		Ability Enhancement Mandatery Course IV	5th	2	0	0	2	ID	MC	40	60	Theory
10		Industrial Training-I	5th	0	0	4w	2	Core	II	60	40	Practical
		<b>Total</b>	<b>5th</b>	<b>21</b>	<b>0</b>	<b>4</b>	<b>25</b>					

Registrar  
SGT University  
Budhera, Gurugram



1	Compiler Design	6th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Artificial Intelligence	6th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Department Electives-VII	6th	3	0	0	3	Core	DE	40	60	Theory
4	Department Electives-VIII	6th	3	0	0	3	Core	DE	40	60	Theory
5	Open Elective-IV	6th	4	0	0	4	ID	OE	40	60	Theory
6	Compiler Design Lab	6th	0	0	2	1	Core	Compulsory	60	40	Practical
7	Artificial Intelligence Lab	6th	0	0	2	1	Core	Compulsory	60	40	Practical
8	Value Addition Course-III	6th	2	0	0	2	VAC	VAC	60	40	Theory
	<b>Total</b>	6th	18	0	4	20					
1	Department Electives-IX	7th	3	0	0	3	Core	DE	40	60	Theory
2	Embedded system and its Biomedical Applications	7th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Department Electives-X	7th	3	0	0	3	Core	DE	40	60	Theory
4	Department Electives Lab-IX	7th	0	0	2	1	Core	DE	40	60	Practical
5	Research Phase-I	7th	-	-	-	10	Core	Research Track	60	40	Practical
6	Industrial Training-II	7th	0	0	6w	3	Core	II	60	40	Practical
7	Value Addition Course-IV	7th	2	0	0	2	VAC	VAC	40	60	Theory
	<b>Total</b>	7th	11	0	2	25					
1	Department Electives-XI	8th	3	0	0	3	Core	DE	40	60	Theory
2	Department Electives-XII	8th	3	0	0	3	Core	DE	40	60	Theory
3	IPR and Patenting	8th	3	0	0	3	Core	EAS	60	40	Practical
4	Research Phase-II	8th	-	-	-	10	Core	Research Track	60	40	Practical
	<b>Total</b>	8th	9	0	0	19					
	<b>Overall Total</b>	1st to 8th				180					

**Note:**

1. Mooc Course: Student will be offered various available SWAYAM MOOC Courses in lieu of various regular core (Compulsory and Department Electives) courses. A student can opt
2. Student can opt for Honours degree by earning 18 - 20 additional credits through SWAYAM MOOC courses but with prior permission of the department and limit to the courses related
3. A student can have Honours degree WITH SPECIALIZATION in the particular of his/her branch by earning 18-20 additional credits in particular specialization through MOOC or
4. Courses Highlighted in green need to be fixed according to the group (ME+CE in one group and CSE+ECE other group. Value added, RM and Mandatory courses also need to be fixed in

**Abbreviation Used:**

ID	Interdisciplinary
VAC	Value Addition Course
DE	Department Electives
BSC	Basic Science Courses
EAS	Engineering Applied Science
II	Industrial Internship
MC	Mandatory Courses (Non- Credit)

Credit Distribution	
Core	123
Other (Interdisciplinary + VAC)	57
<b>Total</b>	<b>180</b>

Core Credits	
Compulsory	56
Department Electives	40
Industrial Internship	7
Research Track	20
<b>Total</b>	<b>123</b>

Other Credits	
Interdisciplinary	49
VAC	8
<b>Total</b>	<b>57</b>

Interdisciplinary Credits	
Basic Science Courses	6
Engineering Applied Science	19
Open Elective	16
Mandatory Courses - 4 Courses (Non-Credit)	8
<b>Total</b>	<b>49</b>

Registrar  
SOT University  
Budhena, Gurugram



**For Five Year Integrated M. Tech. and For Candidates having B. Tech. with research track (Atleast 180 credits)**

1.		Distributed Computing	9th	3	0	0	3	Core	Compulsory	40	60	Theory
2.		AI & Soft Computing	9th	3	0	0	3	Core	Compulsory	40	60	Theory
3.		Department Electives-XIII	9th	3	0	0	3	Core	DE	40	60	Theory
4.		Department Electives-XIV	9th	3	0	0	3	Core	DE	40	60	Theory
5.		Department Electives-XV	9th	3	0	0	3	Core	DE	40	60	Theory
6.		AI & Soft Computing Lab	9th	0	0	4	2	Core	Compulsory	60	40	Practical
7.		Department Electives Lab-XIII	9th	0	0	2	1	Core	DE	60	40	Practical
8.		Department Electives Lab-XV	9th	0	0	2	1	Core	DE	60	40	Practical
9.		Distributed Computing Lab	9th	0	0	2	1	Core	Compulsory	60	40	Practical
10.		Value Added Courses-V	9th	2	0	0	2	VAC	VAC	40	60	Theory
		<b>Total</b>		<b>17</b>	<b>0</b>	<b>10</b>	<b>22</b>					
1.		Dissertation	10th	-	-	20 W	20	Core	Research Track	100	100	Practical
							42					

**Overall Total Credits = I to X = 222**

**Note:**

1. Mooc Course: Student will be offered various available SWAYAM MOOC Courses in lieu of various regular core (Compulsory and Department Electives) courses. A
2. Student can opt for Honours degree by earning 18 - 20 additional credits through SWAYAM MOOC courses but with prior permission of the department and limit to the
3. A student can have Honours degree WITH SPECIALIZATION in the particular of his/her branch by earning 18-20 additional credits in particular specialization through
4. Courses Highlighted in green need to be fixed according to the group (ME+CE in one group and CSE+ECE other group. Value added, RM and Mandatory courses also

Credit Distribution	
Core	163
Other (Interdisciplinary + VAC)	59
<b>Total</b>	<b>222</b>

Core Credits	
Compulsory	64
Department Electives	52
Industrial Internship	7
Research Track	40
<b>Total</b>	<b>163</b>

Other Credits	
Interdisciplinary	49
VAC	10
<b>Total</b>	<b>59</b>

Interdisciplinary Credits	
Basic Science Courses	6
Engineering Applied Science	19
Open Elective	16
Mandatory Courses - 4 Courses (Non-Credit)	8
<b>Total</b>	<b>49</b>

Registrar  
SGT University  
Budhera, Gurugram



1	Operating System	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
2	Database Management Systems	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
3	User Interface Advanced Techniques	3rd	2	0	0	2	Core	SE	40	60	Theory
4	Objective Oriented Programming Language with Objective C	3rd	2	0	0	2	Core	SE	40	60	Theory
5	Open Elective-I	3rd	4	0	0	4	ID	OE	40	60	Theory
6	Operating System Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
7	Database Management Systems Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
8	User Interface Advanced Techniques Lab	3rd	0	0	2	1	Core	SE	60	40	Practical
9	Objective Oriented Programming Language with Objective C Lab	3rd	0	0	2	1	Core	SE	60	40	Practical
10	Industrial Internship	3rd	0	0	4w	2	Core	II	60	40	Practical
11	Value Addition Course-II	3rd	2	0	0	2	VAC	VAC	40	60	Theory
12	Ability Enhancement Mandatory Course III	3rd	2	0	0	2	ID	MC	40	60	Theory
	<b>Total</b>	3rd	18	0	8	24			40	60	Theory
1	Design and Analysis of Algorithm	4th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Software Engineering	4th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Department Electives-III	4th	3	0	0	3	Core	DE	40	60	Theory
4	Swift Programming language	4th	2	0	0	2	Core	SE	40	60	Theory
5	iCloud and Cloud tools and Techniques for Back end development	4th	2	0	0	2	Core	SE	40	60	Theory
6	Open Elective-II	4th	4	0	0	4	ID	OE	40	60	Theory
7	Design and Analysis of Algorithm Lab	4th	0	0	2	1	Core	Compulsory	60	40	Practical
8	Department Electives Lab-III	4th	0	0	2	1	Core	DE	60	40	Practical
9	Swift Programming language Lab		0	0	2	1	Core	SE	60	40	Practical
10	iCloud and Cloud tools and Techniques for Back end development Lab	4th	0	0	2	1	Core	SE	60	40	Practical
11	Research Methodology	4th	3	0	0	3	ID	EAS	40	60	Theory
	<b>Total</b>	4th	20	0	8	24			40	60	Theory
1	Theory of Computation	5th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Data Communication & Networking	5th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Mobile Application Development/ iPhone Operating System Basic	5th	2	0	0	2	Core	SE	40	60	Theory
4	Department Electives-VI	5th	3	0	0	3	Core	DE	40	60	Theory
5	Open Elective-III	5th	4	0	0	4	ID	OE	40	60	Theory
6	Mobile device Management (Security and Forensics)	5th	2	0	0	2	Core	SE	40	60	Theory
7	Mobile device Management (Security and Forensics) Lab	5th	0	0	2	1	Core	SE	60	40	Practical
8	Mobile Application Development/ iPhone Operating System Basic lab	5th	0	0	2	1	Core	SE	60	40	Practical
9	Data Communication & Networking Lab	5th	0	0	2	1	Core	Compulsory	60	40	Practical
10	Department Electives Lab-VI	5th	0	0	2	1	Core	DE	60	40	Practical
11	Ability Enhancement Mandatory Course IV	5th	2	0	0	2	ID	MC	40	60	Theory
12	Industrial Training-I	5th	0	0	4w	2	Core	II	60	40	Practical
	<b>Total</b>	5th	19	0	8	25					



1	Compiler Design	6th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Cyber Forensics and Investigations (New)	6th	2	0	0	2	Core	SE	40	60	Theory
3	iCloud Security +iOS Development		2	0	0	2	Core	SE	40	60	Theory
4	Department Electives-VII	6th	3	0	0	3	Core	DE	40	60	Theory
5	Department Electives-VIII	6th	3	0	0	3	Core	DE	40	60	Theory
6	Open Elective-IV	6th	4	0	0	4	ID	OE	40	60	Theory
7	Compiler Design Lab	6th	0	0	2	1	Core	Compulsory	60	40	Theory
8	Cyber Forensics and Investigations (New) Lab	6th	0	0	2	1	Core	SE	60	40	Practical
9	iCloud Security +iOS Development Lab		0	0	2	1	Core	SE	60	40	Practical
10	Value Addition Course-III	6th	2	0	0	2	VAC	VAC	40	60	Practical
	<b>Total</b>	<b>6th</b>	<b>19</b>	<b>0</b>	<b>6</b>	<b>22</b>					<b>Theory</b>
1	Department Electives-IX	7th	3	0	0	3	Core	DE	40	60	Theory
2	Embedded system and its biomedical applications	7th	3	0	0	3	Core	Compulsory	40	60	Theory
3	iPhone Operating System Practical Implementation Techniques	7th	2	0	0	2	Core	SE	40	60	Theory
4	Department Electives Lab-IX	7th	0	0	2	1	Core	DE	60	40	Practical
5	Department Electives-X	7th	3	0	0	3	Core	DE	40	60	Theory
6	iPhone Operating System Practical Implementation Techniques Lab	8th	0	0	2	1	Core	SE	60	40	Practical
7	Capstone Project	7th	0	0	4	2	Core	Compulsory	60	40	Practical
8	Industrial Training-II	7th	0	0	6w	3	Core	II	60	40	Practical
9	Value Addition Course-IV	7th	2	0	0	2	VAC	VAC	40	60	Theory
	<b>Total</b>	<b>7th</b>	<b>13</b>	<b>0</b>	<b>8</b>	<b>20</b>					
1	Internships and Placements	8th	-	-	20W	20	Core	II	100	100	Practical
	<b>Total Credits</b>	<b>8th</b>				<b>20</b>					
	<b>Overall Total</b>	<b>1st to 8th</b>				<b>177</b>					

Registrar  
SGT University  
Budhera, Gurugram



**Note:**

1. **MOOC Course:** Student will be offered various available SWAYAM MOOC Courses in lieu of various regular core (Compulsary and Department Electives) courses. A student can opt maximum of 2 MOOC courses.
2. Student can opt for Honours degree by earning 18 - 20 additional credits through SWAYAM MOOC courses but with prior permission of the department and limit to the courses related to the Discipline.
3. A student can have Honours degree WITH SPECIALIZATION in the particular of his/her branch by earning 18-20 additional credits in particular specialization through MOOC or Departmental Elective bucket with Permission of the Department
4. Courses Highlighted in green need to be fixed according to the group (ME+CE in one group and CSE+ECE other group. Value added, RM and Mandatory courses also need to be fixed in numbers but department can put in any semester as per requirement (In order to balance the courses and credits in a semester. Internship credits need to be fixed as shown above.

**Abbreviation Used:**

ID	Interdisciplinary
VAC	Value Addition Course
DE	Department Electives
BSC	Basic Science Courses
EAS	Engineering Applied Science
II	Industrial Internship
MC	Mandatory Courses (Non- Credit
SE	Specialization Electives

Credit Distribution	
Core	129
Other (Interdisciplinary + VAC)	48
<b>Total</b>	<b>177</b>

Core Credits	
Compulsory	42
Department Electives	21
Industrial Internship	27
Specialization Electives	39
<b>Total</b>	<b>129</b>

Other Credits	
Interdisciplinary	40
VAC	8
<b>Total</b>	<b>48</b>

Interdisciplinary Credits			
Basic Science Courses			6
Engineering Applied Science			10
Open Elective			16
Mandatory Courses - 4 Courses (Non-Credit)			8
<b>Total</b>			<b>40</b>

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech in Computer Science with Specialization in AI/ML

S. No.	Subject Code	Subject Name	Semester	L	T	P	C	Category A (Core/ ID/ VAC)	Category B (Compulsory/ DE/ BSC/ EAS/ OE/ MC/ II/ MOOC)	Internal	External	Theory/ Practical
1		Applied Physics	1st	3	0	0	3	ID	BSC	40	60	Theory
2		Design Thinking	1st	3	0	0	3	ID	EAS	40	60	Theory
3		Computer Fundamental	1st	3	0	0	3	Core	Compulsory	40	60	Theory
4		Introduction to AI, Data Science, Ethics and Foundation of Data Analysis	1st	2	0	0	2	Core	SE	40	60	Theory
5		Communication Skills-I	1st	2	0	0	2	ID	EAS	40	60	Theory
6		Object Oriented Programming	1st	3	0	0	3	Core	Compulsory	40	60	Theory
7		Value Addition Course-I	1st	2	0	0	2	VAC	VAC	40	60	Theory
8		Computer Fundamental Lab	1st	0	0	2	1	Core	Compulsory	60	40	Practical
9		Object Oriented Programming Lab	1st	0	0	2	1	Core	Compulsory	60	40	Practical
10		Introduction to AI, Data Science, Ethics and	1st	0	0	2	1	Core	SE	60	40	Practical
11		Communication Skills-I Lab	1st	0	0	2	1	ID	EAS	60	40	Practical
12		Ability Enhancement Mandatory Course I	1st	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	<b>1st</b>	<b>20</b>	<b>0</b>	<b>8</b>	<b>24</b>					
1		Applied Mathematics	2nd	3	0	0	3	ID	BSC	40	60	Theory
2		Data Analysis using Python, Numpy, Pandas, Matplotlib, and Seaborn	2nd	2	0	0	2	Core	SE	40	60	Theory
3		Basics of Data Structure	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
4		Web Development	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
5		Computer Architecture	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
6		Data Analysis using Python, Numpy, Pandas, Matplotlib, and Seaborn Lab	2nd	0	0	2	1	Core	SE	60	40	Practical
7		Basics of Data Structure Lab	2nd	0	0	2	1	Core	Compulsory	60	40	Practical
8		Web Development Lab	2nd	0	0	2	1	Core	Compulsory	60	40	Practical
9		Engineering Graphics and Design Lab	2nd	0	0	2	1	ID	EAS	60	40	Practical
10		Ability Enhancement Mandatory Course II	2nd	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	<b>2nd</b>	<b>16</b>	<b>0</b>	<b>8</b>	<b>20</b>					
1		Operating System	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
2		Database Management Systems	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
3		Probabilistics Modeling and Reasoning with Python	3rd	2	0	0	2	Core	SE	40	60	Theory



4	R Programming for Data Science and Data Analysis	3rd	2	0	0	2	Core	SE	40	60	Theory
5	Open Elective-I	3rd	4	0	0	4	ID	OE	40	60	Theory
6	Operating System Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
7	Database Management Systems Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
8	Probabilistics Modeling and Reasoning with Python Lab	3rd	0	0	2	1	Core	SE	60	40	Practical
9	R Programming for Data Science and Data Analysis Lab	3rd	0	0	2	1	Core	SE	60	40	Practical
10	Industrial Internship	3rd	0	0	4w	2	Core	II	60	40	Practical
11	Value Addition Course-II	3rd	2	0	0	2	VAC	VAC	40	60	Theory
12	Ability Enhancement Mandatery Course III	3rd	2	0	0	2	ID	MC	40	60	Theory
	<b>Total</b>	3rd	18	0	8	24					
1	Design and Analysis of Algorithm	4th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Software Engineering	4th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Department Electives-III	4th	3	0	0	3	Core	DE	40	60	Theory
4	Machine Learning Practical with Python , Scikit-learn, matplotlib, TensorFlow	4th	1	0	0	1	Core	SE	40	60	Theory
5	Machine Learning and Pattern Recognition	4th	2	0	0	2	Core	SE	40	60	Theory
6	Open Elective-II	4th	4	0	0	4	ID	OE	40	60	Theory
7	Design and Analysis of Algorithm Lab	4th	0	0	2	1	Core	Compulsory	60	40	Practical
8	Department Electives Lab-III	4th	0	0	2	1	Core	DE	60	40	Practical
9	Machine Learning Practical with Python , Scikit-learn, matplotlib, TensorFlow Lab		0	0	2	1	Core	SE	60	40	Practical
10	Machine Learning and Pattern Recognition Lab	4th	0	0	2	1	Core	SE	60	40	Practical
11	Research Methodology	4th	3	0	0	3	ID	EAS	40	60	Theory
	<b>Total</b>	4th	19	0	8	23					

Registrar  
SGT University  
Budhera, Gurugram



1		Theory of Computation	5th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Data Communication & Networking	5th	3	0	0	3	Core	Compulsory	40	60	Theory
3		Deep Learning Practical with Python, TensorFlow and Keras	5th	1	0	0	1	Core	SE	40	60	Theory
4		Department Electives-VI	5th	3	0	0	3	Core	DE	40	60	Theory
5		Open Elective-III	5th	4	0	0	4	ID	OE	40	60	Theory
6		Neural Network and deep learning (Vision and NLP)	5th	2	0	0	2	Core	SE	40	60	Theory
7		Neural Network and deep learning (Vision and NLP) Lab		0	0	2	1	Core	SE	60	40	Practical
8		Deep Learning Practical with Python, TensorFlow and Keras		0	0	2	1	Core	SE	60	40	Practical
9		Data Communication & Networking Lab	5th	0	0	2	1	Core	Compulsory	60	40	Practical
10		Department Electives Lab-VI	5th	0	0	2	1	Core	DE	60	40	Practical
11		Ability Enhancement Mandatory Course IV	5th	2	0	0	2	ID	MC	40	60	Theory
12		Industrial Training-I	5th	0	0	4w	2	Core	II	60	40	Practical
1		Total	5th	18	0	8	24					
1		Compiler Design	6th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Data Science-Tools and Techniques	6th	2	0	0	2	Core	SE	40	60	Theory
3		Natural Language Processing		2	0	0	2	Core	SE	40	60	Theory
4		Department Electives-VII	6th	3	0	0	3	Core	DE	40	60	Theory
5		Department Electives-VIII	6th	3	0	0	3	Core	DE	40	60	Theory
6		Open Elective-IV	6th	4	0	0	4	ID	OE	40	60	Theory
7		Compiler Design Lab	6th	0	0	2	1	Core	Compulsory	60	40	Practical
8		Data Science-Tools and Techniques Lab	6th	0	0	2	1	Core	SE	60	40	Practical
9		Natural Language Processing Lab		0	0	2	1	Core	SE	60	40	Practical
10		Value Addition Course-III	6th	2	0	0	2	VAC	VAC	40	60	Theory
1		Total	6th	19	0	6	22					
1		Department Electives-IX	7th	3	0	0	3	Core	DE	40	60	Theory
2		Data Visualization	7th	2	0	0	2	Core	SE	40	60	Theory
3		DevOps for Web Development	7th	2	0	0	2	Core	SE	40	60	Theory
4		Department Electives Lab-IX	7th	0	0	2	1	Core	DE	60	40	Practical
5		Department Electives-X	7th	3	0	0	3	Core	DE	40	60	Theory
6		Data Visualization Lab		0	0	2	1	Core	SE	60	40	Practical
7		DevOps for Web Development Lab		0	0	2	1	Core	SE	60	40	Practical
8		Capstone Project	7th	0	0	4	2	Core	Compulsory	60	40	Practical
9		Industrial Training-II	7th	0	0	6w	3	Core	II	60	40	Practical
10		Value Addition Course-IV	7th	2	0	0	2	VAC	VAC	40	60	Theory
		Total	7th	12	0	10	20					



1		Industrial Internship with	8th	-	-	20W	20	Core	II	100	100	Practical
		Total	8th				20					
		Overall Total	1st to 8th				177					

**Note:**

1. Mooc Course: Student will be offered various available SWAYAM MOOC Courses in lieu of various regular core (Compulsary and Department Electives) courses. A student can opt maximum of 2 MOOC courses in a semester for credit transfer with prior permission and out of the list published by the department prior to start of the semester.
2. Student can opt for Honours degree by earning 18 - 20 additional credits through SWAYAM MOOC courses but with prior permission of the department and limit to the courses related to the Discipline.
3. A student can have Honours degree WITH SPECIALIZATION in the particular of his/her branch by earning 18-20 additional credits in particular specialization through MOOC or Departmental Elective bucket with Permission of the Department
4. Courses Highlighted in green need to be fixed according to the group (ME+CE in one group and CSE+ECE other group. Value added, RM and Mandatory courses also need to be fixed in numbers but department can put in any semester as per requirement (In order to balance the courses and credits in a semester. Internship credits need to be fixed as shown above.

**Abbreviation Used:**

ID	Interdisciplinary
VAC	Value Addition Course
DE	Department Electives
BSC	Basic Science Courses
EAS	Engineering Applied Science
II	Industrial Internship
MC	Mandatory Courses (Non- Credit
SE	Specialization Electives

Credit Distribution	
Core	129
Other (Interdisciplinary +	48
<b>Total</b>	<b>177</b>

Registrar  
SGT University  
Budhera, Gurgaon

Core Credits	
Compulsory	47
Department Electives	21
Industrial Internship	27
Specialization Electives	34
<b>Total</b>	<b>129</b>

Other Credits	
Interdisciplinary	40
VAC	8
<b>Total</b>	<b>48</b>

Interdisciplinary Credits			
Basic Science Courses			6
Engineering Applied Science			10
Open Elective			16
Mandatory Courses - 4 Courses (Non-Credit)			8
<b>Total</b>			<b>40</b>



1		Operating System	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
2		Database Management Systems	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
3		Microservices (Docker and Kubernetes)	3rd	2	0	0	2	Core	SE	40	60	Theory
4		Rest API & Node JS	3rd	2	0	0	2	Core	SE	40	60	Theory
5		Open Elective-I	3rd	4	0	0	4	ID	OE	40	60	Theory
6		Operating System Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
7		Database Management Systems Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
8		Microservices (Docker and Kubernetes) Lab	3rd	0	0	2	1	Core	SE	60	40	Practical
9		Rest API & Node JS Lab	3rd	0	0	2	1	Core	SE	60	40	Practical
10		Industrial Internship	3rd	0	0	4w	2	Core	II	60	40	Practical
11		Value Addition Course-II	3rd	2	0	0	2	VAC	VAC	40	60	Theory
12		Ability Enhancement Mandatory Course III	3rd	2	0	0	2	ID	MC	40	60	Theory
		<b>Total</b>	3rd	18	0	8	24					
1		Design and Analysis of Algorithm	4th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Software Engineering	4th	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-III	4th	3	0	0	3	Core	DE	40	60	Theory
4		Java	4th	2	0	0	2	Core	SE	40	60	Theory
5		Cloud Computing	4th	2	0	0	2	Core	SE	40	60	Theory
6		Open Elective-II	4th	4	0	0	4	ID	OE	40	60	Theory
7		Design and Analysis of Algorithm Lab	4th	0	0	2	1	Core	Compulsory	60	40	Practical
8		Department Electives Lab-III	4th	0	0	2	1	Core	DE	60	40	Practical
9		Java Lab		0	0	2	1	Core	SE	60	40	Practical
10		Cloud Computing Lab	4th	0	0	2	1	Core	SE	60	40	Practical
11		Research Methodology	4th	3	0	0	3	ID	EAS	40	60	Theory
		<b>Total</b>	4th	20	0	8	24					
1		Theory of Computation	5th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Data Communication & Networking	5th	3	0	0	3	Core	Compulsory	40	60	Theory
		Virtualization	5th	2	0	0	2	Core	SE	40	60	Theory
		Department Electives-VI	5th	3	0	0	3	Core	DE	40	60	Theory
		Open Elective-III	5th	4	0	0	4	ID	OE	40	60	Theory
		No SQL Data Base	5th	2	0	0	2	Core	SE	40	60	Theory
		Virtualization Lab		0	0	2	1	Core	SE	60	40	Practical
		No SQL Data Base lab		0	0	2	1	Core	SE	60	40	Practical
9		Data Communication & Networking Lab	5th	0	0	2	1	Core	Compulsory	60	40	Practical
10		Department Electives Lab-VI	5th	0	0	2	1	Core	DE	60	40	Practical
11		Ability Enhancement Mandatory Course IV	5th	2	0	0	2	ID	MC	40	60	Theory
12		Industrial Training-I	5th	0	0	4w	2	Core	II	60	40	Practical
		<b>Total</b>	5th	19	0	8	25					



1		Compiler Design	6th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Big Data Analytics	6th	2	0	0	2	Core	SE	40	60	Theory
3		Web Services		2	0	0	2	Core	SE	40	60	Theory
4		Department Electives-VII	6th	3	0	0	3	Core	DE	40	60	Theory
5		Department Electives-VIII	6th	3	0	0	3	Core	DE	40	60	Theory
6		Open Elective-IV	6th	4	0	0	4	ID	OE	40	60	Theory
7		Compiler Design Lab	6th	0	0	2	1	Core	Compulsory	60	40	Practical
8		Big Data Analytics Lab	6th	0	0	2	1	Core	SE	60	40	Practical
9		Web Services Lab	6th	0	0	2	1	Core	SE	60	40	Practical
10		Value Addition Course-III	6th	2	0	0	2	VAC	VAC	60	40	Theory
		<b>Total</b>	6th	<b>19</b>	<b>0</b>	<b>6</b>	<b>22</b>					
1		Department Electives-IX	7th	3	0	0	3	Core	DE	40	60	Theory
2		Project Development	7th	0	0	4	2	Core	SE	60	40	Theory
3		Department Electives Lab-IX	7th	0	0	2	1	Core	DE	60	40	Practical
4		Department Electives-X	7th	3	0	0	3	Core	DE	40	60	Theory
5		Cloud Native		2	0	0	2	Core	SE	40	60	Theory
6		Cloud Native Lab		0	0	2	1	Core	SE	60	40	Practical
7		Cloud Security	7th	2	0	0	2	Core	SE	40	60	Theory
8		Cloud security Lab		0	0	2	1	Core	SE	60	40	Practical
9		Industrial Training-II	7th	0	0	6w	3	Core	II	60	40	Practical
10		Value Addition Course-IV	7th	2	0	0	2	VAC	VAC	40	60	Theory
		<b>Total</b>	7th	<b>12</b>	<b>0</b>	<b>10</b>	<b>20</b>					
1		Industrial Internship with Project (Industrial oriented/Research oriented)	8th	-	-	20W	20	Core	II	100	100	Practical
	<b>Total Credits</b>	<b>Total</b>	8th				<b>20</b>					
		<b>Overall Total</b>	<b>1st to 8th</b>				<b>178</b>					

Registrar  
SGT University  
Budhera, Gurugram



**Note:**

1. Mooc Course: Student will be offered various available SWAYAM MOOC Courses in lieu of various regular core (Compulsary and Department Electives) courses. A student can opt maximum of 2 MOOC courses in a semester for credit transfer with prior permission and out of the list published by the department prior to start of the semester.
2. Student can opt for Honours degree by earning 18 - 20 additional credits through SWAYAM MOOC courses but with prior permission of the department and limit to the courses related to the Discipline.
3. A student can have Honours degree WITH SPECIALIZATION in the particular of his/her branch by earning 18-20 additional credits in particular specialization through MOOC or Departmental Elective bucket
4. Courses Highlighted in green need to be fixed according to the group (ME+CE in one group and CSE+ECE other group. Value added, RM and Mandatory courses also need to be fixed in numbers but department can put in any semester as per requirement (In order to balance the courses and credits in a semester. Internship credits need to be fixed as shown above.

**Abbreviation Used:**

ID	Interdisciplinary
VAC	Value Addition Course
DE	Department Electives
BSC	Basic Science Courses
EAS	Engineering Applied Science
II	Industrial Internship
MC	Mandatory Courses (Non- Credit
SE	Specialization Electives

Credit Distribution	
Core	130
Other (Interdisciplinary + VAC)	48
<b>Total</b>	<b>178</b>

Core Credits	
Compulsory	43
Department Electives	21
Industrial Internship	27
Specialization Electives	39
<b>Total</b>	<b>130</b>

Other Credits	
Interdisciplinary	40
VAC	8
<b>Total</b>	<b>48</b>

Interdisciplinary Credits			
Basic Science Courses			6
Engineering Applied Science			10
Open Elective			16
Mandatory Courses - 4 Courses (Non-Credit)			8
<b>Total</b>			<b>40</b>

Registrar  
SGT University  
Budhera, Gurugram



1	Operating System	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
2	Database Management Systems	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
3	Cloud Security	3rd	2	0	0	2	Core	SE	40	60	Theory
4	Open Elective-I	3rd	4	0	0	4	ID	OE	40	60	Theory
5	Operating System Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
6	Database Management Systems Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
7	Cloud Security Lab	3rd	0	0	2	1	Core	SE	60	40	Practical
8	Industrial Internship	3rd	0	0	4w	2	Core	II	60	40	Practical
9	Value Addition Course-II	3rd	2	0	0	2	VAC	VAC	40	60	Theory
10	Ability Enhancement Mandatory Course III	3rd	2	0	0	2	ID	MC	40	60	Theory
	<b>Total</b>	<b>3rd</b>	<b>16</b>	<b>0</b>	<b>6</b>	<b>21</b>					
1	Design and Analysis of Algorithm	4th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Software Engineering	4th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Department Electives-III	4th	3	0	0	3	Core	DE	40	60	Theory
4	Big Data Fundamental	4th	2	0	0	2	Core	SE	40	60	Theory
5	Department Electives-IV	4th	3	0	0	3	Core	DE	40	60	Theory
6	Open Elective-II	4th	4	0	0	4	ID	OE	40	60	Theory
7	Design and Analysis of Algorithm Lab	4th	0	0	2	1	Core	Compulsory	60	40	Practical
8	Department Electives Lab-III	4th	0	0	2	1	Core	DE	60	40	Practical
9	Big Data Fundamental Lab		0	0	2	1	Core	SE	60	40	Practical
10	Research Methodology	4th	3	0	0	3	ID	EAS	40	60	Theory
	<b>Total</b>	<b>4th</b>	<b>21</b>	<b>0</b>	<b>6</b>	<b>24</b>					
1	Theory of Computation	5th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Data Communication & Networking	5th	3	0	0	3	Core	Compulsory	40	60	Theory
3	Big Data Security	5th	2	0	0	2	Core	SE	40	60	Theory
4	Department Electives-VI	5th	3	0	0	3	Core	DE	40	60	Theory
5	Open Elective-III	5th	4	0	0	4	ID	OE	40	60	Theory
6	Identity Access Management	5th	2	0	0	2	Core	SE	40	60	Theory
7	Big Data Security Lab	5th	0	0	2	1	Core	SE	60	40	Practical
8	Identity Access Management lab	5th	0	0	2	1	Core	SE	60	40	Practical
9	Data Communication & Networking Lab	5th	0	0	2	1	Core	Compulsory	60	40	Practical
10	Department Electives Lab-VI	5th	0	0	2	1	Core	DE	60	40	Practical
11	Ability Enhancement Mandatory Course IV	5th	2	0	0	2	ID	MC	40	60	Theory
12	Industrial Training-I	5th	0	0	4w	2	Core	II	60	40	Practical
	<b>Total</b>	<b>5th</b>	<b>19</b>	<b>0</b>	<b>8</b>	<b>25</b>					



1	Compiler Design	6th	3	0	0	3	Core	Compulsory	40	60	Theory
2	Security Intelligence	6th	2	0	0	2	Core	SE	40	60	Theory
3	Artificial Intelligence	6th	3	0	0	3	Core	Compulsory	40	60	Theory
4	Department Electives-VII	6th	3	0	0	3	Core	DE	40	60	Theory
5	Department Electives-VIII	6th	3	0	0	3	Core	DE	40	60	Theory
6	Open Elective-IV	6th	4	0	0	4	ID	OE	40	60	Theory
7	Compiler Design Lab	6th	0	0	2	1	Core	Compulsory	60	40	Practical
8	Security Intelligence Lab	6th	0	0	2	1	Core	SE	60	40	Practical
9	Artificial Intelligence Lab	6th	0	0	4	2	Core	Compulsory	60	40	Practical
10	Value Addition Course-III	6th	2	0	0	2	VAC	VAC	40	60	Theory
	<b>Total</b>	<b>6th</b>	<b>20</b>	<b>0</b>	<b>8</b>	<b>24</b>					
1	Department Electives-IX	7th	3	0	0	3	Core	DE	40	60	Theory
2	Project Development	7th	0	0	4	2	Core	SE	60	40	Practical
4	Department Electives Lab-IX	7th	0	0	2	1	Core	DE	60	40	Practical
5	Department Electives-X	7th	3	0	0	3	Core	DE	40	60	Theory
6	Security and Data Privacy Laws and Standard	7th	2	0	0	2	Core	SE	40	60	Theory
7	Security and Data Privacy	7th	0	0	2	1	Core	SE	60	40	Practical
8	Blockchain	7th	2	0	0	2	Core	SE	40	60	Theory
9	Blockchain Lab	7th	0	0	2	1	Core	SE	60	40	Practical
10	Industrial Training-II	7th	0	0	6w	3	Core	II	60	40	Practical
11	Value Addition Course-IV	7th	2	0	0	2	VAC	VAC	40	60	Theory
	<b>Total</b>	<b>7th</b>	<b>12</b>	<b>0</b>	<b>10</b>	<b>20</b>					
	Industrial Internship with Project (Industrial)	8th	-	-	20W	20	Core	II	100	100	Practical
	<b>Total Credits</b>	<b>8th</b>				<b>20</b>					
	<b>Overall Total</b>	<b>1st to 8th</b>				<b>178</b>					



**Note:**

1. Mooc Course: Student will be offered various available SWAYAM MOOC Courses in lieu of various regular core (Compulsary and Department Electives) courses. A student can opt maximum of 2 MOOC
2. Student can opt for Honours degree by earning 18 - 20 additional credits through SWAYAM MOOC courses but with prior permission of the department and limit to the courses related to the Discipline.
3. A student can have Honours degree WITH SPECIALIZATION in the particular of his/her branch by earning 18-20 additional credits in particular specialization through MOOC or Departmental Elective bucket with Permission of the Department
4. Courses Highlighted in green need to be fixed according to the group (ME+CE in one group and CSE+ECE other group. Value added, RM and Mandatory courses also need to be fixed in numbers but department can put in any semester as per requirement (In order to balance the courses and credits in a semester. Internship credits need to be fixed as shown above.

**Abbreviation Used:**

ID	Interdisciplinary
VAC	Value Addition Course
DE	Department Electives
BSC	Basic Science Courses
EAS	Engineering Applied Science
II	Industrial Internship
MC	Mandatory Courses (Non- Credit
SE	Specialization Electives

Credit Distribution	
Core	127
Other (Interdisciplinary + VAC)	48
<b>Total</b>	<b>175</b>

Core Credits	
Compulsory	50
Department Electives	24
Industrial Internship	27
Specialization Electives	29
<b>Total</b>	<b>130</b>

Other Credits	
Interdisciplinary	40
VAC	8
<b>Total</b>	<b>48</b>

Interdisciplinary Credits			
Basic Science Courses			6
Engineering Applied Science			10
Open Elective			16
Mandatory Courses - 4 Courses (Non-Credit)			8
<b>Total</b>			<b>40</b>

Registrar  
SGT University  
Budheta, Gurugram



## B-Tech in Computer Science with Specialization in Gaming & Augmented Reality (Immersive Experience)

S. No.	Subject Code	Subject Name	Semester	L	T	P	C	Category A (Core/ ID/ VAC)	Category B (Compulsory/ DE/ BSC/ EAS/ OE/ MC/ II/ MOOC)	Internal	External	Theory/ Practical
1		Applied Physics	1st	3	0	0	3	ID	BSC	40	60	Theory
2		Design Thinking	1st	3	0	0	3	ID	EAS	40	60	Theory
3		Computer Fundamental	1st	3	0	0	3	Core	Compulsory	40	60	Theory
4		Communication Skills-I	1st	2	0	0	2	ID	EAS	40	60	Theory
5		Object Oriented Programming	1st	3	0	0	3	Core	Compulsory	40	60	Theory
6		Value Addition Course-I	1st	2	0	0	2	VAC	VAC	40	60	Theory
7		Computer Fundamental Lab	1st	0	0	2	1	Core	Compulsory	60	40	Practical
8		Object Oriented Programming Lab	1st	0	0	2	1	Core	Compulsory	60	40	Practical
9		Communication Skills-I Lab	1st	0	0	2	1	ID	EAS	60	40	Practical
10		Ability Enhancement Mandatory Course I	1st	2	0	0	2	ID	MC	40	60	Theory
<b>Total</b>				<b>1st</b>	<b>21</b>	<b>0</b>	<b>8</b>	<b>23</b>				
1		Applied Mathematics	2nd	3	0	0	3	ID	BSC	40	60	Theory
2		Usability Design of Software Applications	2nd	3	2	0	4	Core	SE	40	60	Theory
3		Basics of Data Structure	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
4		Web Development	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
5		Computer Architecture	2nd	3	0	0	3	Core	Compulsory	40	60	Theory
6		Usability Design of Software Applications Programming Lab	2nd	0	0	2	1	Core	SE	60	40	Practical
7		Basics of Data Structure Lab	2nd	0	0	2	1	Core	Compulsory	60	40	Practical
8		Web Development Lab	2nd	0	0	2	1	Core	Compulsory	60	40	Practical
9		Engineering Graphics and Design Lab	2nd	0	0	2	1	ID	EAS	60	40	Practical
10		Ability Enhancement Mandatory Course II	2nd	2	0	0	2	ID	MC	40	60	Theory
<b>Total</b>				<b>2nd</b>	<b>17</b>	<b>2</b>	<b>10</b>	<b>22</b>				
1		Operating System	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
2		Database Management Systems	3rd	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-I	3rd	3	0	0	3	Core	DE	40	60	Theory
4		Intelligent Game Design and its Applications	3rd	3	2	0	4	Core	SE	40	60	Theory
5		Open Elective-I	3rd	4	0	0	4	ID	OE	40	60	Theory
6		Intelligent Game Design and its Applications Lab		0	0	2	1	Core	SE	60	40	Practical
7		Operating System Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
8		Database Management Systems Lab	3rd	0	0	2	1	Core	Compulsory	60	40	Practical
9		Department Electives Lab-I	3rd	0	0	2	1	Core	DE	60	40	Practical
10		Industrial Internship	3rd	0	0	4w	2	Core	II	60	40	Practical
11		Value Addition Course-II	3rd	2	0	0	2	VAC	VAC	40	60	Theory
12		Ability Enhancement Mandatory Course III	3rd	2	0	0	2	ID	MC	40	60	Theory
<b>Total</b>				<b>3rd</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>27</b>				
1		Design and Analysis of Algorithm	4th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Software Engineering	4th	3	0	0	3	Core	Compulsory	40	60	Theory
3		Department Electives-II	4th	3	0	0	3	Core	DE	40	60	Theory
4		Innovation & Entrepreneurship	4th	3	2	0	4	Core	SE	40	60	Theory
5		Medical imaging techniques	4th	3	0	0	3	ID	EAS	40	60	Theory
6		Open Elective-II	4th	4	0	0	4	ID	OE	40	60	Theory
7		Innovation & Entrepreneurship Lab	4th	0	0	2	1	Core	SE	60	40	Practical
8		Design and Analysis of Algorithm Lab	4th	0	0	2	1	Core	Compulsory	60	40	Practical
9		Department Electives Lab-II	4th	0	0	2	1	Core	DE	60	40	Practical
10		Research Methodology	4th	3	0	0	3	ID	EAS	40	60	Theory
<b>Total</b>				<b>4th</b>	<b>20</b>	<b>2</b>	<b>10</b>	<b>26</b>				

  
 Registrar  
 SGT University  
 Budhera, Gurugram



1		Theory of Computation	5th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Data Communication & Networking	5th	3	0	0	3	Core	Compulsory	40	60	Theory
3		Augmented Reality and its Applications	5th	3	2	0	4	Core	SE	40	60	Theory
4		Department Electives-VI	5th	3	0	0	3	Core	DE	40	60	Theory
5		Open Elective-III	5th	4	0	0	4	ID	OE	40	60	Theory
6		Medical informatics	5th	3	0	0	3	ID	EAS	40	60	Theory
7		Augmented Reality and its Applications lab	5th	0	0	2	1	Core	SE	60	40	Practical
8		Data Communication & Networking Lab	5th	0	0	2	1	Core	Compulsory	60	40	Practical
9		Department Electives Lab-VI	5th	0	0	2	1	Core	DE	60	40	Practical
10		Ability Enhancement Mandatory Course IV	5th	2	0	0	2	ID	MC	40	60	Theory
11		Industrial Training-I	5th	0	0	4w	2	Core	II	60	40	Practical
		Total	5th	19	2	8	27					
1		Compiler Design	6th	3	0	0	3	Core	Compulsory	40	60	Theory
2		Vision Intelligence and Machine Learning*	6th	3	2	0	4	Core	SE	40	60	Theory
3		Department Electives-VII	6th	3	0	0	3	Core	DE	40	60	Theory
4		Department Electives-VIII	6th	3	0	0	3	Core	DE	40	60	Theory
5		Open Elective-IV	6th	4	0	0	4	ID	OE	40	60	Theory
6		Compiler Design Lab	6th	0	0	2	1	Core	Compulsory	60	40	Practical
7		Vision Intelligence and Machine Learning*	6th	0	0	2	1	Core	SE	60	40	Practical
8		Value Addition Course-III	6th	2	0	0	2	VAC	VAC	40	60	Theory
		Total	6th	16	2	6	20					
1		Department Electives-IX	7th	3	0	0	3	Core	DE	40	60	Theory
2		Virtual Reality and its Applications	7th	3	2	0	4	Core	SE	40	60	Theory
3		Department Electives-X	7th	3	0	0	3	Core	DE	40	60	Theory
4		Virtual Reality and its Applications Lab	7th	0	0	2	1	Core	SE	60	40	Practical
5		Department Electives Lab-IX	7th	0	0	2	1	Core	DE	60	40	Practical
6		Capstone Project	7th	0	0	4	2	Core	Compulsory	60	40	Practical
7		Industrial Training-II	7th	0	0	4w	2	Core	II	60	40	Practical
8		Value Addition Course-IV	7th	2	0	0	2	VAC	VAC	40	60	Theory
		Total	7th	11	0	8	18					
1		Industrial Internship with Project (Industrial oriented/Research oriented)	8th	-	-	20W	20	Core	II	100	100	Practical
	Total Credits	Total	8th				20					
		Overall Total	1st to 8th				182					

Registrar  
SGT University  
Budhera, Gurugram



**Note:**

1. Mooc Course: Student will be offered various available SWAYAM MOOC Courses in lieu of various regular core (Compulsory and Department Electives) courses. A student can opt maximum of 2 MOOC courses in a semester for credit transfer with prior permission and out of the list published by the department prior to start of the semester.
2. Student can opt for Honours degree by earning 18 - 20 additional credits through SWAYAM MOOC courses but with prior permission of the department and limit to the courses related to the Discipline.
3. A student can have Honours degree WITH SPECIALIZATION in the particular of his/her branch by earning 18-20 additional credits in particular specialization through MOOC or Departmental Elective bucket with Permission of the Department
4. Courses Highlighted in green need to be fixed according to the group (ME+CE in one group and CSE+ECE other group. Value added, RM and Mandatory courses also need to be fixed in numbers but department can put in any semester as per requirement (In order to balance the courses and credits in a semester. Internship credits need to be fixed as shown above.

**Abbreviation Used:**

ID	Interdisciplinary
VAC	Value Addition Course
DE	Department Electives
BSC	Basic Science Courses
EAS	Engineering Applied Science
II	Industrial Internship
MC	Mandatory Courses (Non- Credit
SE	Specialization Elective

Credit Distribution	
Core	128
Other (Interdisciplinary + VAC)	54
<b>Total</b>	<b>182</b>

Core Credits	
Compulsory	47
Department Electives	23
Industrial Internship	26
SE	30
<b>Total</b>	<b>128</b>

Other Credits	
Interdisciplinary	46
VAC	8
<b>Total</b>	<b>54</b>

Interdisciplinary Credits			
Basic Science Courses			6
Engineering Applied Science			16
Open Elective			16
Mandatory Courses - 4 Courses (Non-Credit)			8
<b>Total</b>			<b>46</b>

Registrar  
SGT University  
Budhera, Gurugram



# B-Tech in Computer Science with Specialization in Gaming & Augmented Reality (Immersive Experience)

## Semester 3rd

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Operating System	3	0	0	3	40	60	100
2		Database Management Systems	3	0	0	3	40	60	100
3		Department Electives-I	3	0	0	3	40	60	100
4		Intelligent Game Design and its Applications	3	2	0	4	40	60	100
5		Open Elective-I	4	0	0	4	40	60	100
6		Intelligent Game Design and its Applications Lab	0	0	2	1	60	40	100
7		Operating System Lab	0	0	2	1	60	40	100
8		Database Management Systems Lab	0	0	2	1	60	40	100
9		Department Electives Lab-I	0	0	2	1	60	40	100
10		Industrial Internship	0	0	4w	2	60	40	100
11		Value Addition Course-II	2	0	0	2	40	60	100
12		Ability Enhancement Mandatory Course III	2	0	0	2	40	60	Grade*
		<b>Total</b>	<b>20</b>	<b>2</b>	<b>8</b>	<b>27</b>	<b>580</b>	<b>620</b>	<b>1100</b>

Registrar  
SGT University  
Budhera, Gurugram



**B-Tech in Computer Science with Specialization in Gaming & Augmented Reality  
(Immersive Experience)**

**Semester 4th**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Design and Analysis of Algorithm	3	0	0	3	40	60	100
2		Software Engineering	3	0	0	3	40	60	100
3		Department Electives-III	3	0	0	3	40	60	100
4		Innovation & Entrepreneurship	3	2	0	4	40	60	100
5		Medical imaging techniques	3	0	0	3	40	60	100
6		Open Elective-II	4	0	0	4	40	60	100
7		Innovation & Entrepreneurship Lab	0	0	2	1	60	40	100
8		Design and Analysis of Algorithm Lab	0	0	2	1	60	40	100
9		Department Electives Lab-III	0	0	2	1	60	40	100
10		Research Methodology	3	0	0	3	40	60	100
		<b>Total</b>	<b>22</b>	<b>2</b>	<b>6</b>	<b>26</b>	<b>460</b>	<b>540</b>	<b>1000</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



# B-Tech in Computer Science with Specialization in Gaming & Augmented Reality (Immersive Experience)

## Semester 5th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Theory of Computation	3	0	0	3	40	60	100
2		Data Communication & Networking	3	0	0	3	40	60	100
3		Augmented Reality and its Applications	3	2	0	4	40	60	100
4		Department Electives-VI	3	0	0	3	40	60	100
5		Open Elective-III	4	0	0	4	40	60	100
6		Medical informatics	3	0	0	3	40	60	100
7		Augmented Reality and its Applications lab	0	0	2	1	60	40	100
8		Data Communication & Networking Lab	0	0	2	1	60	40	100
9		Department Electives Lab-VI	0	0	2	1	60	40	100
10		Ability Enhancement Mandatory Course IV	2	0	0	2	40	60	Grade*
11		Industrial Training-I	0	0	4w	2	60	40	100
		<b>Total</b>	<b>21</b>	<b>2</b>	<b>6</b>	<b>27</b>	<b>520</b>	<b>580</b>	<b>1000</b>

Registrar  
SGT University  
Budhera, Gurugram



**B-Tech in Computer Science with Specialization in Gaming & Augmented Reality  
(Immersive Experience)**

**Semester 6th**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Compiler Design	3	0	0	3	40	60	100
2		Vision Intelligence and Machine Learning*	3	2	0	4	40	60	100
3		Department Electives-VII	3	0	0	3	40	60	100
4		Department Electives-VIII	3	0	0	3	40	60	100
5		Open Elective-IV	4	0	0	4	40	60	100
6		Compiler Design Lab	0	0	2	1	60	40	100
7		Vision Intelligence and Machine Learning*	0	0	2	1	60	40	100
8		Value Addition Course-III	2	0	0	2	40	60	100
		<b>Total</b>	<b>18</b>	<b>2</b>	<b>4</b>	<b>21</b>	<b>360</b>	<b>440</b>	<b>800</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



# B-Tech in Computer Science with Specialization in Gaming & Augmented Reality (Immersive Experience)

## Semester 7th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Department Electives-IX	3	0	0	3	40	60	100
2		Virtual Reality and its Applications	3	2	0	4	40	60	100
3		Department Electives-X	3	0	0	3	40	60	100
4		Virtual Reality and its Applications Lab	0	0	2	1	60	40	100
5		Department Electives Lab-IX	0	0	2	1	60	40	100
6		Capstone Project	0	0	4	2	60	40	100
7		Industrial Training-II	0	0	4w	2	60	40	100
8		Value Addition Course-IV	2	0	0	2	40	60	100
		<b>Total</b>	<b>11</b>	<b>2</b>	<b>8</b>	<b>18</b>	<b>400</b>	<b>400</b>	<b>800</b>

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech in Computer Science with Specialization in Cyber Security & Block Chain

### Semester 4th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Design and Analysis of Algorithm	3	0	0	3	40	60	100
2		Software Engineering	3	0	0	3	40	60	100
3		Department Electives-III	3	0	0	3	40	60	100
4		Big Data Fundamental	2	0	0	2	40	60	100
5		Department Electives-IV	3	0	0	3	40	60	100
6		Open Elective-II	4	0	0	4	40	60	100
7		Design and Analysis of Algorithm Lab	0	0	2	1	60	40	100
8		Department Electives Lab-III	0	0	2	1	60	40	100
9		Big Data Fundamental Lab	0	0	2	1	60	40	100
10		Research Methodology	3	0	0	3	40	60	100
		<b>Total</b>	<b>21</b>	<b>0</b>	<b>6</b>	<b>24</b>	<b>460</b>	<b>540</b>	<b>1000</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



# B-Tech in Computer Science with Specialization in Cyber Security & Block Chain

## Semester 5th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Theory of Computation	3	0	0	3	40	60	100
2		Data Communication & Networking	3	0	0	3	40	60	100
3		Big Data Security	2	0	0	2	40	60	100
4		Department Electives-VI	3	0	0	3	40	60	100
5		Open Elective-III	4	0	0	4	40	60	100
6		Identity Access Management	2	0	0	2	40	60	100
7		Big Data Security Lab	0	0	2	1	60	40	100
8		Identity Access Management lab	0	0	2	1	60	40	100
9		Data Communication & Networking Lab	0	0	2	1	60	40	100
10		Department Electives Lab-VI	0	0	2	1	60	40	100
11		Ability Enhancement Mandatory Course IV	2	0	0	2	40	60	Grade*
12		Industrial Training-I	0	0	4w	2	60	40	100
		<b>Total</b>	<b>19</b>	<b>0</b>	<b>8</b>	<b>25</b>	<b>580</b>	<b>620</b>	<b>1100</b>

Registrar  
SGT University  
Budhera, Gurugram



# B-Tech in Computer Science with Specialization in Cyber Security & Block Chain

## Semester 6th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Compiler Design	3	0	0	3	40	60	100
2		Security Intelligence	2	0	0	2	40	60	100
3		Artificial Intelligence	3	0	0	3	40	60	100
4		Department Electives-VII	3	0	0	3	40	60	100
5		Department Electives-VIII	3	0	0	3	40	60	100
6		Open Elective-IV	4	0	0	4	40	60	100
7		Compiler Design Lab	0	0	2	1	60	40	100
8		Security Intelligence Lab	0	0	2	1	60	40	100
9		Artificial Intelligence Lab	0	0	4	2	60	40	100
10		Value Addition Course-III	2	0	0	2	40	60	100
		<b>Total</b>	<b>20</b>	<b>0</b>	<b>8</b>	<b>24</b>	<b>460</b>	<b>540</b>	<b>1000</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



# B-Tech in Computer Science with Specialization in Cyber Security & Block Chain

## Semester 7th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Department Electives-IX	3	0	0	3	40	60	100
2		Project Development	0	0	4	2	60	40	100
4		Department Electives Lab-IX	0	0	2	1	60	40	100
5		Department Electives-X	3	0	0	3	40	60	100
6		Security and Data Privacy	2	0	0	2	40	60	100
7		Security and Data Privacy	0	0	2	1	60	40	100
8		Blockchain	2	0	0	2	40	60	100
9		Blockchain Lab	0	0	2	1	60	40	100
10		Industrial Training-II	0	0	6w	3	60	40	100
11		Value Addition Course-IV	2	0	0	2	40	60	100
		<b>Total</b>	<b>12</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>500</b>	<b>500</b>	<b>1000</b>

Registrar  
SGT University  
Budheda, Gurugram



# **B-Tech in Computer Science with Specialization in Cyber Security & Block Chain**

## **Semester 8th**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Industrial Internship with Project (Industrial oriented/Research oriented)	-	-	20W	20	100	100	200
		Total				20			

  
Registrar  
SGT University  
Budhera, Gurugram



**B-Tech in Computer Science with Specialization in Full Stack Web  
Development & Cloud Computing**

Semester 3rd									
S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Operating System	3	0	0	3	40	60	100
2		Database Management Systems	3	0	0	3	40	60	100
3		Microservices (Docker and	2	0	0	2	40	60	100
4		Rest API & Node	2	0	0	2	40	60	100
5		Open Elective-I	4	0	0	4	40	60	100
6		Operating System Lab	0	0	2	1	60	40	100
7		Database Management Systems Lab	0	0	2	1	60	40	100
8		Microservices (Docker and	0	0	2	1	60	40	100
9		Rest API & Node	0	0	2	1	60	40	100
10		Industrial Internship	0	0	4w	2	60	40	100
11		Value Addition Course-II	2	0	0	2	40	60	100
12		Ability Enhancement Mandatory Course III	2	0	0	2	40	60	Grade*
		<b>Total</b>	<b>18</b>	<b>0</b>	<b>8</b>	<b>24</b>	<b>580</b>	<b>620</b>	<b>1100</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



**B-Tech in Computer Science with Specialization in Full Stack Web  
Development & Cloud Computing**

**Semester 4th**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Design and Analysis of Algorithm	3	0	0	3	40	60	100
2		Software Engineering	3	0	0	3	40	60	100
3		Department Electives-III	3	0	0	3	40	60	100
4		Java	2	0	0	2	40	60	100
5		Cloud Computing	2	0	0	2	40	60	100
6		Open Elective-II	4	0	0	4	40	60	100
7		Design and Analysis of Algorithm Lab	0	0	2	1	60	40	100
8		Department Electives Lab-III	0	0	2	1	60	40	100
9		Java Lab	0	0	2	1	60	40	100
10		Cloud Computing Lab	0	0	2	1	60	40	100
11		Research Methodology	3	0	0	3	40	60	100
		<b>Total</b>	<b>20</b>	<b>0</b>	<b>8</b>	<b>24</b>	<b>520</b>	<b>580</b>	<b>1100</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



**B-Tech in Computer Science with Specialization in Full Stack Web  
Development & Cloud Computing**

Semester 5th									
S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Theory of Computation	3	0	0	3	40	60	100
2		Data Communication & Networking	3	0	0	3	40	60	100
3		Virtualization	2	0	0	2	40	60	100
4		Department Electives-VI	3	0	0	3	40	60	100
5		Open Elective-III	4	0	0	4	40	60	100
6		No SQL Data Base	2	0	0	2	40	60	100
7		Virtualization Lab	0	0	2	1	60	40	100
8		No SQL Data Base lab	0	0	2	1	60	40	100
9		Data Communication & Networking Lab	0	0	2	1	60	40	100
10		Department Electives Lab-VI	0	0	2	1	60	40	100
11		Ability Enhancement Mandatory Course IV	2	0	0	2	40	60	Grade*
12		Industrial Training-I	0	0	4w	2	60	40	100
		<b>Total</b>	<b>19</b>	<b>0</b>	<b>8</b>	<b>25</b>	<b>580</b>	<b>620</b>	<b>1100</b>

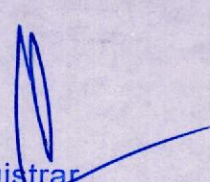
Registrar  
SGT University  
Budheda, Gurugram



**B-Tech in Computer Science with Specialization in Full Stack Web  
Development & Cloud Computing**

**Semester 6th**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Compiler Design	3	0	0	3	40	60	100
2		Big Data Analytics	2	0	0	2	40	60	100
3		Web Services	2	0	0	2	40	60	100
4		Department Electives-VII	3	0	0	3	40	60	100
5		Department Electives-VIII	3	0	0	3	40	60	100
6		Open Elective-IV	4	0	0	4	40	60	100
7		Compiler Design Lab	0	0	2	1	60	40	100
8		Big Data Analytics Lab	0	0	2	1	60	40	100
9		Web Services Lab	0	0	2	1	60	40	100
10		Value Addition Course-III	2	0	0	2	60	40	100
		<b>Total</b>	<b>19</b>	<b>0</b>	<b>6</b>	<b>22</b>	<b>480</b>	<b>520</b>	<b>1000</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



**B-Tech in Computer Science with Specialization in Full Stack Web  
Development & Cloud Computing**

Semester 7th									
S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Department Electives-IX	3	0	0	3	40	60	100
2		Project Development	0	0	4	2	60	40	100
3		Department Electives Lab-IX	0	0	2	1	60	40	100
4		Department Electives-X	3	0	0	3	40	60	100
5		Cloud Native	2	0	0	2	40	60	100
6		Cloud Native Lab	0	0	2	1	60	40	100
7		Cloud Security	2	0	0	2	40	60	100
8		Cloud security Lab	0	0	2	1	60	40	100
9		Industrial Training-II	0	0	6w	3	60	40	100
10		Value Addition Course-IV	2	0	0	2	40	60	100
		<b>Total</b>	<b>12</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>500</b>	<b>500</b>	<b>1000</b>

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech in Computer Science with Specialization in iOS & Mobile Application Development

### Semester 3rd

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Operating System	3	0	0	3	40	60	100
2		Database Management Systems	3	0	0	3	40	60	100
3		User Interface Advanced Techniques	2	0	0	2	40	60	100
4		Objective Oriented Programming Language with Objective C	2	0	0	2	40	60	100
5		Open Elective-I	4	0	0	4	40	60	100
6		Operating System Lab	0	0	2	1	60	40	100
7		Database Management Systems Lab	0	0	2	1	60	40	100
8		User Interface Advanced Techniques Lab	0	0	2	1	60	40	100
9		Objective Oriented Programming Language with Objective C Lab	0	0	2	1	60	40	100
10		Industrial Internship	0	0	4w	2	60	40	100
11		Value Addition Course-II	2	0	0	2	40	60	100
12		Ability Enhancement Mandatory Course III	2	0	0	2	40	60	Grade*
		<b>Total</b>	<b>18</b>	<b>0</b>	<b>8</b>	<b>24</b>	<b>580</b>	<b>620</b>	<b>1100</b>

  
 Registrar  
 SGT University  
 Bangalore, Karnataka



## B-Tech in Computer Science with Specialization in iOS & Mobile Application Development

### Semester 5th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Theory of Computation	3	0	0	3	40	60	100
2		Data Communication & Networking	3	0	0	3	40	60	100
3		Mobile Application Development/ iPhone Operating System Basic	2	0	0	2	40	60	100
4		Department Electives-VI	3	0	0	3	40	60	100
5		Open Elective-III	4	0	0	4	40	60	100
6		Mobile device Management (Security and Forensics)	2	0	0	2	40	60	100
7		Mobile device Management (Security and Forensics) Lab	0	0	2	1	60	40	100
8		Mobile Application Development/ iPhone Operating System Basic lab	0	0	2	1	60	40	100
9		Data Communication & Networking Lab	0	0	2	1	60	40	100
10		Department Electives Lab-VI	0	0	2	1	60	40	100
11		Ability Enhancement Mandatory Course IV	2	0	0	2	40	60	Grade*
12		Industrial Training-I	0	0	4w	2	60	40	100
		<b>Total</b>	<b>19</b>	<b>0</b>	<b>8</b>	<b>25</b>	<b>580</b>	<b>620</b>	<b>1100</b>

Registrar  
SGT University  
Budheda, Gurugram



## B-Tech in Computer Science with Specialization in iOS & Mobile Application Development

### Semester 6th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Compiler Design	3	0	0	3	40	60	100
2		Cyber Forensics and Investigations (New)	2	0	0	2	40	60	100
3		iCloud Security +iOS Development	2	0	0	2	40	60	100
4		Department Electives-VII	3	0	0	3	40	60	100
5		Department Electives-VIII	3	0	0	3	40	60	100
6		Open Elective-IV	4	0	0	4	40	60	100
7		Compiler Design Lab	0	0	2	1	60	40	100
8		Cyber Forensics and Investigations (New) Lab	0	0	2	1	60	40	100
9		iCloud Security +iOS Development Lab	0	0	2	1	60	40	100
10		Value Addition Course-III	2	0	0	2	40	60	100
		<b>Total</b>	<b>19</b>	<b>0</b>	<b>6</b>	<b>22</b>	<b>460</b>	<b>540</b>	<b>1000</b>

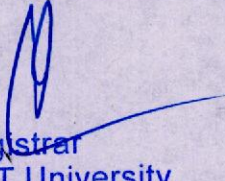
  
 Registrar  
 SGT University  
 Budhera, Gurugram



## B-Tech in Computer Science with Specialization in iOS & Mobile Application Development

### Semester 7th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Department Electives-IX	3	0	0	3	40	60	100
2		Embedded system and its biomedical applications	3	0	0	3	40	60	100
3		iPhone Operating System Practical Implementation Techniques	2	0	0	2	40	60	100
4		Department Electives Lab-IX	0	0	2	1	60	40	100
5		Department Electives-X	3	0	0	3	40	60	100
6		iPhone Operating System Practical Implementation Techniques Lab	0	0	2	1	60	40	100
7		Capstone Project	0	0	4	2	60	40	100
8		Industrial Training-II	0	0	6w	3	60	40	100
9		Value Addition Course-IV	2	0	0	2	40	60	100
		<b>Total</b>	<b>13</b>	<b>0</b>	<b>8</b>	<b>20</b>	<b>440</b>	<b>460</b>	<b>900</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



## B-Tech in Computer Science with Specialization in AI/ML

### Semester 3rd

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Operating System	3	0	0	3	40	60	100
2		Database Management Systems	3	0	0	3	40	60	100
3		Probabilistics Modeling and Reasoning with Python	2	0	0	2	40	60	100
4		R Progrãmming for Data Science and Data Analysis	2	0	0	2	40	60	100
5		Open Elective-I	4	0	0	4	40	60	100
6		Operating System Lab	0	0	2	1	60	40	100
7		Database Management Systems Lab	0	0	2	1	60	40	100
8		Probabilistics Modeling and Reasoning with Python Lab	0	0	2	1	60	40	100
9		R Programming for Data Science and Data Analysis Lab	0	0	2	1	60	40	100
10		Industrial Internship	0	0	4w	2	60	40	100
11		Value Addition Course-II	2	0	0	2	40	60	100
12		Ability Enhancement Mandatory Course III	2	0	0	2	40	60	Grade*
		<b>Total</b>	<b>18</b>	<b>0</b>	<b>8</b>	<b>24</b>	<b>580</b>	<b>620</b>	<b>1100</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



## B-Tech in Computer Science with Specialization in AI/ML

### Semester 4th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Design and Analysis of Algorithm	3	0	0	3	40	60	100
2		Software Engineering	3	0	0	3	40	60	100
3		Department Electives-III	3	0	0	3	40	60	100
4		Machine Learning Practical with Python, Scikit-learn, matplotlib, TensorFlow	1	0	0	1	40	60	100
5		Machine Learning and Pattern Recognition	2	0	0	2	40	60	100
6		Open Elective-II	4	0	0	4	40	60	100
7		Design and Analysis of Algorithm Lab	0	0	2	1	60	40	100
8		Department Electives Lab-III	0	0	2	1	60	40	100
9		Machine Learning Practical with Python, Scikit-learn, matplotlib, TensorFlow Lab	0	0	2	1	60	40	100
10		Machine Learning and Pattern Recognition Lab	0	0	2	1	60	40	100
11		Research Methodology	3	0	0	3	40	60	100
		<b>Total</b>	<b>19</b>	<b>0</b>	<b>8</b>	<b>23</b>	<b>520</b>	<b>580</b>	<b>1100</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



## B-Tech in Computer Science with Specialization in AI/ML

### Semester 5th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Theory of Computation	3	0	0	3	40	60	100
2		Data Communication & Networking	3	0	0	3	40	60	100
3		Deep Learning Practical with Python, TensorFlow and Keras	1	0	0	1	40	60	100
4		Department Electives-VI	3	0	0	3	40	60	100
5		Open Elective-III	4	0	0	4	40	60	100
6		Neural Network and deep learning (Vision and NLP)	2	0	0	2	40	60	100
7		Neural Network and deep learning (Vision and NLP)	0	0	2	1	60	40	100
8		Deep Learning Practical with Python, TensorFlow and Keras lab	0	0	2	1	60	40	100
9		Data Communication & Networking Lab	0	0	2	1	60	40	100
10		Department Electives Lab-VI	0	0	2	1	60	40	100
11		Ability Enhancement Mandatory Course IV	2	0	0	2	40	60	Grade*
12		Industrial Training-I	0	0	4w	2	60	40	100
		<b>Total</b>	<b>18</b>	<b>0</b>	<b>8</b>	<b>24</b>	<b>580</b>	<b>620</b>	<b>1100</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



## B-Tech in Computer Science with Specialization in AI/ML

### Semester 6th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Compiler Design	3	0	0	3	40	60	100
2		Data Science-Tools and Techniques	2	0	0	2	40	60	100
3		Natural Language Processing	2	0	0	2	40	60	100
4		Department Electives-VII	3	0	0	3	40	60	100
5		Department Electives-VIII	3	0	0	3	40	60	100
6		Open Elective-IV	4	0	0	4	40	60	100
7		Compiler Design Lab	0	0	2	1	60	40	100
8		Data Science-Tools and Techniques Lab	0	0	2	1	60	40	100
9		Natural Language Processing Lab	0	0	2	1	60	40	100
10		Value Addition Course-III	2	0	0	2	40	60	100
		Total	19	0	6	22	460	540	1000

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech in Computer Science with Specialization in AI/ML

### Semester 7th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Department Electives-IX	3	0	0	3	40	60	100
2		Data Visualization	2	0	0	2	40	60	100
3		DevOps for Web Development	2	0	0	2	40	60	100
4		Department Electives Lab-IX	0	0	2	1	60	40	100
5		Department Electives-X	3	0	0	3	40	60	100
6		Data Visualization Lab	0	0	2	1	60	40	100
7		DevOps for Web Development Lab	0	0	2	1	60	40	100
8		Capstone Project	0	0	4	2	60	40	100
9		Industrial Training-II	0	0	6w	3	60	40	100
10		Value Addition Course-IV	2	0	0	2	40	60	100
		<b>Total</b>	<b>12</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>500</b>	<b>500</b>	<b>1000</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



**B-Tech Computer Science & Engineering**

**Semester 3rd**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Operating System	3	0	0	3	40	60	100
2		Database Management Systems	3	0	0	3	40	60	100
3		Department Electives-I	3	0	0	3	40	60	100
4		Department Electives-II	3	0	0	3	40	60	100
5		Open Elective-I	4	0	0	4	40	60	100
6		Operating System Lab	0	0	2	1	60	40	100
7		Database Management Systems Lab	0	0	2	1	60	40	100
8		Department Electives Lab-I	0	0	2	1	60	40	100
9		Industrial Internship	0	0	4w	2	60	40	100
10		Value Addition Course-II	2	0	0	2	60	40	100
11		Ability Enhancement Mandatory Course III	2	0	0	2	40	60	Grade*
		<b>Total</b>	<b>20</b>	<b>0</b>	<b>6</b>	<b>25</b>	<b>540</b>	<b>560</b>	<b>1000</b>

Registrar  
SGT University  
Budheta, Gurugram



**B-Tech Computer Science & Engineering**

**Semester 4th**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Design and Analysis of Algorithm	3	0	0	3	40	60	100
2		Software Engineering	3	0	0	3	40	60	100
3		Department Electives-III	3	0	0	3	40	60	100
4		Department Electives-IV	3	0	0	3	40	60	100
5		Medical imaging techniques	3	0	0	3	40	60	100
6		Open Elective-II	4	0	0	4	40	60	100
7		Design and Analysis of Algorithm Lab	0	0	2	1	60	40	100
8		Department Electives Lab-III	0	0	2	1	60	40	100
9		Research Methodology	3	0	0	3	60	40	100
		<b>Total</b>	<b>22</b>	<b>0</b>	<b>4</b>	<b>24</b>	<b>420</b>	<b>480</b>	<b>900</b>

Note: -

1. 6 weeks mandatory Industrial Training-I of 3 credits after completion of 2nd year.
  2. One MOOC Course of atleast 8 weeks (4 credits) must be completed during Second Year. The list of MOOC courses will be provided by the Department to the students before commencement of the semester.
  3. Student can opt for any of the Open Elective subject outside from the Parent Institute leading to Holistic development of student. It may include Yoga, Dance, Fashion, Agriculture, Medicine, etc.
  4. Hours for open elective may vary as per course but not credits.
  5. The Department has liberty to vary Credits of Core Courses Lab but not for Department Electives Lab. The Department Elective Labs are significant. So, there hours not to be reduced.
  6. Department Electives must be selected such that they should not have any year-wise dependency.
- \* 2nd Year Core Courses along with 4 Department Elective Courses should make a capsule program with some specialization.
- \*\* Students entering directly in 2nd and 3rd year with Certificate Course and Advanced Certification Course will be given Undergraduate Diploma considering their credits of previous courses after successful completion of 3rd year but the student need to submit his original previous certificate.

Exit Point

Advanced Certification Course in Computer Science and with minor specialization in \_\_\_\_\_.

Entry Point

Advanced Certification Course in Computer Science and in lieu of Industrial Training-I of 6 weeks student has to complete MOOC Course of atleast 6 weeks (3 Credits) in 5th semester.

  
 Registrar  
 SGT University  
 Budhera, Gurugram



**B-Tech Computer Science & Engineering**

**Semester 5th**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Theory of Computation	3	0	0	3	40	60	100
2		Data Communication & Networking	3	0	0	3	40	60	100
3		Department Electives-V	3	0	0	3	40	60	100
4		Department Electives-VI	3	0	0	3	40	60	100
5		Open Elective-III	4	0	0	4	40	60	100
6		Medical informatics	3	0	0	3	40	60	100
7		Data Communication & Networking Lab	0	0	2	1	60	40	100
8		Department Electives Lab-VI	0	0	2	1	60	40	100
9		Ability Enhancement Mandatory Course IV	2	0	0	2	40	60	Grade*
10		Industrial Training-I	0	0	4w	2	60	40	100
		<b>Total</b>	<b>21</b>	<b>0</b>	<b>4</b>	<b>25</b>	<b>460</b>	<b>540</b>	<b>900</b>

Registrar  
 SGT University  
 Budhera, Gurugram



**B-Tech Computer Science & Engineering**

**Semester 6th**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Compiler Design	3	0	0	3	40	60	100
2		Artificial Intelligence	3	0	0	3	40	60	100
3		Department Electives-VII	3	0	0	3	40	60	100
4		Department Electives-VIII	3	0	0	3	40	60	100
5		Open Elective-IV	4	0	0	4	40	60	100
6		Compiler Design Lab	0	0	2	1	60	40	100
7		Artificial Intelligence Lab	0	0	2	1	60	40	100
8		Value Addition Course-III	2	0	0	2	60	40	100
		<b>Total</b>	<b>18</b>	<b>0</b>	<b>4</b>	<b>20</b>	<b>380</b>	<b>420</b>	<b>800</b>

**Note:-**

1. 6 weeks mandatory Industrial Training-II of 3 credits after completion of 1st year.
  2. One MOOC Course of atleast 8 weeks (4 credits) must be completed during Third Year. The list of MOOC courses will be provided by the Department to the students before commencement of the semester.
  3. Student can opt for any of the Open Elective subject outside from the Parent Institute leading to Holistic Development of student. It may include Yoga, Dance, Fashion, Agriculture, Medicine, etc.
  4. Hours for open elective may vary as per course but not credits.
  5. The Department has liberty to vary Credits of Core Courses Lab but not for Department Electives Lab. The Department Elective Labs are significant. So, there hours not to be reduced.
  6. Department Electives must be selected such that they should not have any year-wise dependency.
- \*3rd Year Core Courses along with 4 Department Elective Courses should make a capsule program with some specialization.**

**Exit Point**

Undergraduate Diploma in Computer Science and Engineering with specialization in \_\_\_\_\_.

**Entry Point**

Undergraduate Diploma in Computer Science and and in lieu of Industrial Training of 6 weeks student has to complete MOOC Course of atleast 6 weeks (3 Credits) in 7th semester.

Registrar  
SGT University  
Budhera, Gurugram



**B-Tech Computer Science & Engineering****Semester 7th**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Department Electives-IX	3	0	0	3	40	60	100
2		Embedded system and its Biomedical applications	3	0	0	3	40	60	100
3		Department Electives-X	3	0	0	3	40	60	100
4		Department Electives Lab-IX	0	0	2	1	60	40	100
5		Capstone Project	0	0	4	2	60	40	100
6		Industrial Training-II	0	0	6w	3	60	40	100
7		Value Addition Course-IV	2	0	0	2	40	60	100
		<b>Total</b>	<b>11</b>	<b>0</b>	<b>6</b>	<b>17</b>	<b>340</b>	<b>360</b>	<b>700</b>

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech M-Tech Computer Science & Engineering (Integrated)

### Semester 3rd

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Operating System	3	0	0	3	40	60	100
2		Database Management Systems	3	0	0	3	40	60	100
3		Department Electives-I	3	0	0	3	40	60	100
4		Department Electives-II	3	0	0	3	40	60	100
5		Open Elective-I	4	0	0	4	40	60	100
6		Operating System Lab	0	0	2	1	60	40	100
7		Database Management Systems Lab	0	0	2	1	60	40	100
8		Department Electives Lab-I	0	0	2	1	60	40	100
9		Industrial Internship	0	0	4w	2	60	40	100
10		Value Addition Course-II	2	0	0	2	60	40	100
11		Ability Enhancement Mandatory Course III	2	0	0	2	40	60	Grade*
		<b>Total</b>	<b>20</b>	<b>0</b>	<b>6</b>	<b>25</b>	<b>540</b>	<b>560</b>	<b>1000</b>

Open Elective will be chosen from Multidisciplinary Generic Elective

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech M-Tech Computer Science & Engineering (Integrated)

### Semester 4th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Design and Analysis of Algorithm	3	0	0	3	40	60	100
2		Software Engineering	3	0	0	3	40	60	100
3		Department Electives-III	3	0	0	3	40	60	100
4		Department Electives-IV	3	0	0	3	40	60	100
5		Medical imaging techniques	3	0	0	3	40	60	100
6		Open Elective-II	4	0	0	4	40	60	100
7		Design and Analysis of Algorithm Lab	0	0	2	1	60	40	100
8		Department Electives Lab-III	0	0	2	1	60	40	100
9		Research Methodology	3	0	0	3	60	40	100
		<b>Total</b>	<b>22</b>	<b>0</b>	<b>4</b>	<b>24</b>	<b>420</b>	<b>480</b>	<b>900</b>

Note: -

1. 6 weeks mandatory Industrial Training-I of 3 credits after completion of 2nd year.

2. One MOOC Course of atleast 8 weeks (4 credits) must be completed during Second Year. The list of MOOC courses will be provided by the Department to the students before commencement of the semester.

3. Student can opt for any of the Open Elective subject outside from the Parent Institute leading to Holistic development of student. It may include Yoga, Dance, Fashion, Agriculture, Medicine, etc.

4. Hours for open elective may vary as per course but not credits.

5. The Department has liberty to vary Credits of Core Courses Lab but not for Department Electives Lab. The Department Elective Labs are significant. So, there hours not to be reduced.

6. Department Electives must be selected such that they should not have any year-wise dependency.

\* 2nd Year Core Courses along with 4 Department Elective Courses should make a capsule program with some specialization.

\*\* Students entering directly in 2nd and 3rd year with Certificate Course and Advanced Certification Course will be given Undergraduate Diploma considering their credits of previous courses after successfully completion of 3rd year but the student need to submit his original previous certificate.

Exit Point

Advanced Certification Course in Computer Science and with minor specialization in \_\_\_\_\_.

Entry Point

Advanced Certification Course in Computer Science and and in lieu of Industrial Training-I of 6 weeks student has to complete MOOC Course of atleast 6 weeks (3 Credits) in 5th semester.

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech M-Tech Computer Science & Engineering (Integrated)

### Semester 5th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Theory of Computation	3	0	0	3	40	60	100
2		Data Communication & Networking	3	0	0	3	40	60	100
3		Department Electives-V	3	0	0	3	40	60	100
4		Department Electives-VI	3	0	0	3	40	60	100
5		Open Elective-III	4	0	0	4	40	60	100
6		Medical informatics	3	0	0	3	40	60	100
7		Data Communication & Networking Lab	0	0	2	1	60	40	100
8		Department Electives Lab-VI	0	0	2	1	60	40	100
9		Ability Enhancement Mandatory Course IV	2	0	0	2	40	60	Grade*
10		Industrial Training-I	0	0	4w	2	60	40	100
		<b>Total</b>	<b>21</b>	<b>0</b>	<b>4</b>	<b>25</b>	<b>460</b>	<b>540</b>	<b>900</b>

  
Registrar  
SGT University  
Budhera, Gurugram



## B-Tech M-Tech Computer Science & Engineering (Integrated)

### Semester 6th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Compiler Design	3	0	0	3	40	60	100
2		Artificial Intelligence	3	0	0	3	40	60	100
3		Department Electives-VII	3	0	0	3	40	60	100
4		Department Electives-VIII	3	0	0	3	40	60	100
5		Open Elective-IV	4	0	0	4	40	60	100
6		Compiler Design Lab	0	0	2	1	60	40	100
7		Artificial Intelligence Lab	0	0	2	1	60	40	100
8		Value Addition Course-III	2	0	0	2	60	40	100
		<b>Total</b>	<b>18</b>	<b>0</b>	<b>4</b>	<b>20</b>	<b>380</b>	<b>420</b>	<b>800</b>

**Note:-**

1. 6 weeks mandatory Industrial Training-II of 3 credits after completion of 1st year.
2. One MOOC Course of atleast 8 weeks (4 credits) must be completed during Third Year. The list of MOOC courses will be provided by the Department to the students before commencement of the semester.
3. Student can opt for any of the Open Elective subject outside from the Parent Institute leading to Holistic Development of student. It may include Yoga, Dance, Fashion, Agriculture, Medicine, etc.
4. Hours for open elective may vary as per course but not credits.
5. The Department has liberty to vary Credits of Core Courses Lab but not for Department Electives Lab. The Department Elective Labs are significant. So, there hours not to be reduced.
6. Department Electives must be selected such that they should not have any year-wise dependency.

\*3rd Year Core Courses along with 4 Department Elective Courses should make a capsule program with some specialization.

**Exit Point**

Undergraduate Diploma in Computer Science and Engineering with specialization in \_\_\_\_\_.

**Entry Point**

Undergraduate Diploma in Computer Science and and in lieu of Industrial Training of 6 weeks student has to complete MOOC Course of atleast 6 weeks (3 Credits) in 7th semester.

  
 Registrar  
 SGT University  
 Budhera, Gurugram



## B-Tech M-Tech Computer Science & Engineering (Integrated)

### Semester 7th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Department Electives-IX	3	0	0	3	40	60	100
2		Embedded system and its Biomedical Applications	3	0	0	3	40	60	100
3		Department Electives-X	3	0	0	3	40	60	100
4		Department Electives Lab-IX	0	0	2	1	40	60	100
5		Research Phase-1	-	-	-	10	60	40	100
6		Industrial Training-II	0	0	6w	3	60	40	100
7		Value Addition Course-IV	2	0	0	2	40	60	100
		<b>Total</b>	<b>11</b>	<b>0</b>	<b>2</b>	<b>25</b>	<b>320</b>	<b>380</b>	<b>700</b>

  
Registrar  
SGT University  
Budhera, Gurugram



**B-Tech M-Tech Computer Science & Engineering (Integrated)****Semester 8th**

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Department Electives-XI	3	0	0	3	40	60	100
2		Department Electives-XII	3	0	0	3	40	60	100
3		IPR and Patenting	3	0	0	3	40	60	100
4		Research Phase-II	-	-	-	10	60	40	100
		<b>Total</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>180</b>	<b>220</b>	<b>400</b>

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech M-Tech Computer Science & Engineering (Integrated)

### Semester 9th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1.		Distributed Computing	3	0	0	3	40	60	100
2.		AI & Soft Computing	3	0	0	3	40	60	100
3.		Department Electives-XIII	3	0	0	3	40	60	100
4.		Department Electives-XIV	3	0	0	3	40	60	100
5.		Department Electives-XV	3	0	0	3	40	60	100
6.		AI & Soft Computing Lab	0	0	4	2	60	40	100
7.		Department Electives Lab-XIII	0	0	2	1	60	40	100
8.		Department Electives Lab-XV	0	0	2	1	60	40	100
9.		Distributed Computing Lab	0	0	2	1	60	40	100
10.		Value Added Courses-V	2	0	0	2	40	60	100
		<b>Total</b>	<b>17</b>	<b>0</b>	<b>10</b>	<b>22</b>	<b>480</b>	<b>520</b>	<b>1000</b>

  
 Registrar  
 SGT University  
 Budhera, Gurugram



## B-Tech Computer Science & Engineering (Research)

### Semester 2nd

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Applied Mathematics	3	0	0	3	40	60	100
2		Java Programming	2	0	0	2	40	60	100
3		Basics of Data Structure	3	0	0	3	40	60	100
4		Web Development	3	0	0	3	40	60	100
5		Computer Architecture	3	0	0	3	40	60	100
6		Java Programming Lab	0	0	4	2	60	40	100
7		Basics of Data Structure Lab	0	0	2	1	60	40	100
8		Web Development Lab	0	0	2	1	60	40	100
9		Engineering Graphics and Design Lab	0	0	2	1	60	40	100
10		Ability Enhancement Mandatory Course II	2	0	0	2	40	60	Grade*
		<b>Total</b>	<b>16</b>	<b>0</b>	<b>10</b>	<b>21</b>	<b>480</b>	<b>520</b>	<b>900</b>

Score
90 marks and above
80 marks and above but less than 90 marks
70 marks and above but less than 80 marks
60 marks and above but less than 70 marks
50 marks to 60 marks
Below Minimum Pass marks

Note:-

1. 4 weeks mandatory Industrial Internship of 2 credits after completion of 1st year.

2. One MOOC Course of atleast 8 weeks (4 credits) must be completed during First Year. The list of MOOC courses will be provided by the Department to the students before commencement of the semester.

Exit Point

Certificate Course in Basics of Computer Science and Engineering.

Entry Point

Three years Diploma or One year Certificate Course in Basics of Computer Science and and in lieu of Industrial Internship of 4 weeks student has to complete MOOC Course of 4 weeks (2 Credits) in 3rd semester.

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech Computer Science & Engineering (Research)

### Semester 3rd

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Operating System	3	0	0	3	40	60	100
2		Database Management Systems	3	0	0	3	40	60	100
3		Department Electives-I	3	0	0	3	40	60	100
4		Department Electives-II	3	0	0	3	40	60	100
5		Open Elective-I	4	0	0	4	40	60	100
6		Operating System Lab	0	0	2	1	60	40	100
7		Database Management Systems Lab	0	0	2	1	60	40	100
8		Department Electives Lab-I	0	0	2	1	60	40	100
9		Industrial Internship	0	0	4w	2	60	40	100
10		Value Addition Course-II	2	0	0	2	60	40	100
11		Ability Enhancement Mandatory Course III	2	0	0	2	40	60	Grade*
		<b>Total</b>	<b>20</b>	<b>0</b>	<b>6</b>	<b>25</b>	<b>540</b>	<b>560</b>	<b>1000</b>

Open Elective will be chosen from Multidisciplinary Generic Elective

  
Registrar  
SGT University  
Budhera, Gurugram



## B-Tech Computer Science & Engineering (Research)

### Semester 4th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Design and Analysis of Algorithm	3	0	0	3	40	60	100
2		Software Engineering	3	0	0	3	40	60	100
3		Department Electives-III	3	0	0	3	40	60	100
4		Department Electives-IV	3	0	0	3	40	60	100
5		Medical imaging techniques	3	0	0	3	40	60	100
6		Open Elective-II	4	0	0	4	40	60	100
7		Design and Analysis of Algorithm Lab	0	0	2	1	60	40	100
8		Department Electives Lab-III	0	0	2	1	60	40	100
9		Research Methodology	3	0	0	3	60	40	100
		<b>Total</b>	<b>22</b>	<b>0</b>	<b>4</b>	<b>24</b>	<b>420</b>	<b>480</b>	<b>900</b>

Note: -

1. 6 weeks mandatory Industrial Training-I of 3 credits after completion of 2nd year.

2. One MOOC Course of atleast 8 weeks (4 credits) must be completed during Second Year. The list of MOOC courses will be provided by the Department to the students before commencement of the semester.

3. Student can opt for any of the Open Elective subject outside from the Parent Institute leading to Holistic development of student. It may include Yoga, Dance, Fashion, Agriculture, Medicine, etc.

4. Hours for open elective may vary as per course but not credits.

5. The Department has liberty to vary Credits of Core Courses Lab but not for Department Electives Lab. The Department Elective Labs are significant. So, there hours not to be reduced.

6. Department Electives must be selected such that they should not have any year-wise dependency.

\*2nd Year Core Courses along with 4 Department Elective Courses should make a capsule program with some specialization.

\*\* Students entering directly in 2nd and 3rd year with Certificate Course and Advanced Certification Course will be given Undergraduate Diploma considering their credits of previous courses after successfully completion of 3rd year but the student need to submit his original previous certificate.

Exit Point

Advanced Certification Course in Computer Science and with minor specialization in \_\_\_\_\_.

Entry Point

Advanced Certification Course in Computer Science and and in lieu of Industrial Training-I of 6 weeks student has to complete MOOC Course of atleast 6 weeks (3 Credits) in 5th semester.

Registrar  
SGT University  
Budheda, Gurugram



## B-Tech Computer Science & Engineering (Research)

### Semester 5th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Theory of Computation	3	0	0	3	40	60	100
2		Data Communication & Networking	3	0	0	3	40	60	100
3		Department Electives-V	3	0	0	3	40	60	100
4		Department Electives-VI	3	0	0	3	40	60	100
5		Open Elective-III	4	0	0	4	40	60	100
6		Medical informatics	3	0	0	3	40	60	100
7		Data Communication & Networking Lab	0	0	2	1	60	40	100
8		Department Electives Lab-VI	0	0	2	1	60	40	100
9		Ability Enhancement Mandatory Course IV	2	0	0	2	40	60	Grade*
10		Industrial Training-I	0	0	4w	2	60	40	100
		<b>Total</b>	<b>21</b>	<b>0</b>	<b>4</b>	<b>25</b>	<b>460</b>	<b>540</b>	<b>900</b>

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech Computer Science & Engineering (Research)

### Semester 6th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Compiler Design	3	0	0	3	40	60	100
2		Artificial Intelligence	3	0	0	3	40	60	100
3		Department Electives-VII	3	0	0	3	40	60	100
4		Department Electives-VIII	3	0	0	3	40	60	100
5		Open Elective-IV	4	0	0	4	40	60	100
6		Compiler Design Lab	0	0	2	1	60	40	100
7		Artificial Intelligence Lab	0	0	2	1	60	40	100
8		Value Addition Course-III	2	0	0	2	60	40	100
		<b>Total</b>	<b>18</b>	<b>0</b>	<b>4</b>	<b>20</b>	<b>380</b>	<b>420</b>	<b>800</b>

**Note:-**


1. 6 weeks mandatory Industrial Training-II of 3 credits after completion of 1st year.
2. One MOOC Course of atleast 8 weeks (4 credits) must be completed during Third Year. The list of MOOC courses will be provided by the Department to the students before commencement of the semester.
3. Student can opt for any of the Open Elective subject outside from the Parent Institute leading to Holistic Development of student. It may include Yoga, Dance, Fashion, Agriculture, Medicine, etc.
4. Hours for open elective may vary as per course but not credits.
5. The Department has liberty to vary Credits of Core Courses Lab but not for Department Electives Lab. The Department Elective Labs are significant. So, there hours not to be reduced.
6. Department Electives must be selected such that they should not have any year-wise dependency.
- \*3rd Year Core Courses along with 4 Department Elective Courses should make a capsule program with some specialization.

**Exit Point**

Undergraduate Diploma in Computer Science and Engineering with specialization in \_\_\_\_\_.

**Entry Point**

Undergraduate Diploma in Computer Science and and in lieu of Industrial Training of 6 weeks student has to complete MOOC Course of atleast 6 weeks (3 Credits) in 7th semester.

  
 Registrar  
 SGT University  
 Budhera, Gurugram



## B-Tech Computer Science & Engineering (Research)

### Semester 7th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Department Electives-IX	3	0	0	3	40	60	100
2		Embedded system and its Biomedical Applications	3	0	0	3	40	60	100
3		Department Electives-X	3	0	0	3	40	60	100
4		Department Electives Lab-IX	0	0	2	1	40	60	100
5		Research Phase-I	-	-	-	10	60	40	100
6		Industrial Training-II	0	0	6w	3	60	40	100
7		Value Addition Course-IV	2	0	0	2	40	60	100
		<b>Total</b>	<b>11</b>	<b>0</b>	<b>2</b>	<b>25</b>	<b>320</b>	<b>380</b>	<b>700</b>

Registrar  
SGT University  
Budhera, Gurugram



## B-Tech Computer Science & Engineering (Research)

### Semester 8th

S. No.	Subject Code	Subject Name	L	T	P	C	Internal	External	Total
1		Department Electives-XI	3	0	0	3	40	60	100
2		Department Electives-XII	3	0	0	3	40	60	100
3		IPR and Patenting	3	0	0	3	40	60	100
4		Research Phase-II	-	-	-	10	60	40	100
		Total	9	0	0	19	180	220	400

Registrar  
SGT University  
Budhera, Gurugram