

**JIIT NOIDA**  
**B. Sc. (Honours/ Honours with Research/Academic Projects/Entrepreneurship)**  
**Computing and Programming**

**First Semester**

S. N.	Course Code	Course	Contact hours				Credit
			L	T	P	Total	
1.	22B21MA111	DSC1 (Introduction to Programming using C)	3	0	0	3	3
2.	22B25MA111	DSC1 (Introduction to Programming using C-LAB)	0	0	2	2	1
3.	22B21MA112	DSC2 (Computer System Architecture)	3	1	0	4	4
4.	22B21MA113	DSC3 (Discrete Mathematical Structures)	3	1	0	4	4
5.	15B11PH111	GE1 (Physics-1)	3	1	0	4	4
6.	22B28HS111	AEC1 (English)	1	0	2	3	2
7.	22B12HS111	SEC1 (Life Skills and Effective Communications)	1	0	2	3	2
8.	22B28MA111	VAC1 (Multimedia and Animation Workshop)	1	0	2	3	2
<b>TOTAL</b>			<b>15</b>	<b>3</b>	<b>8</b>	<b>26</b>	<b>22</b>

**Second Semester**

S. N.	Course Code	Course	Contact hours				Credit
			L	T	P	Total	
1.	23B51CS121	DSC4 (Object Oriented Programming using C++)	3	0	0	3	3
2.	23B51CS521	DSC4 (Object Oriented Programming using C++-LAB)	0	0	2	2	1
3.	23B21MA111	DSC5 (Data Structures)	3	0	0	3	3
4.	23B25MA111	DSC5 (Data Structures -LAB)	0	0	2	2	1
5.	23B21MA112	DSC6 (Calculus)	3	1	0	4	4
6.	15B11PH211	GE2 (Physics-2)	3	1	0	4	4
7.	23B12BT111	AEC2 (Environmental Science)	2	0	0	2	2
8.	23B56CS123	SEC2 (OOAD Project Based Learning)	0	0	4	4	2
9.	23B58CS125	VAC2 (Unix Workshop)	1	0	2	3	2
<b>TOTAL</b>			<b>15</b>	<b>2</b>	<b>10</b>	<b>27</b>	<b>22</b>

**Third Semester**

S.N.	Course	Contact hours				Credit
		L	T	P	Total	
1.	DSC7	3	0	2	5	4
2.	DSC8	3	0	2	5	4
3.	DSC9	3	1	0	4	4
4.	DSE1/GE3	3	1	0	4	4
5.	AEC3	2	0	0	2	2
6.	SEC3 / IAPC1	0	0	4	4	2
7.	VAC3	1	0	2	3	2
	<b>TOTAL</b>	<b>15</b>	<b>2</b>	<b>10</b>	<b>27</b>	<b>22</b>

**Fourth Semester**

S. N.	Course	Contact hours				Credit
		L	T	P	Total	
1.	DSC10	3	0	2	5	4
2.	DSC11	3	0	2	5	4
3.	DSC12	3	0	2	5	4
4.	DSE2/GE4	3	0	2	5	4
5.	AEC4	2	0	0	2	2
6.	SEC4/IAPC2	0	0	4	4	2
7.	VAC4	1	0	2	3	2
	<b>TOTAL</b>	<b>15</b>	<b>0</b>	<b>14</b>	<b>29</b>	<b>22</b>

**Fifth Semester**

S. N.	Course	Contact hours				Credit
		L	T	P	Total	
1.	DSC13	3	0	2	5	4
2.	DSC14	3	1	0	4	4
3.	DSC15	3	1	0	4	4
4.	DSE3	3	1	0	4	4
5.	GE5	3	1	0	4	4
6.	SEC5/IAPC3	0	0	4	4	2
	<b>TOTAL</b>	<b>15</b>	<b>4</b>	<b>6</b>	<b>25</b>	<b>22</b>

**Sixth Semester**

S. N.	Course	Contact hours				Credit
		L	T	P	Total	
1.	DSC16	3	1	0	4	4
2.	DSC17	3	1	0	4	4
3.	DSC18	3	1	0	4	4
4.	DSE 4	3	1	0	4	4
5.	GE6	3	1	0	4	4
6.	SEC6/IAPC4	0	0	4	4	2
	<b>TOTAL</b>	<b>15</b>	<b>5</b>	<b>4</b>	<b>24</b>	<b>22</b>

**Seventh Semester**

S. N.	Course	Contact hours				Credit
		L	T	P	Total	
1.	DSC19	3	1	0	4	4
2.	DSC20	3	1	0	4	4
3.	DSE5/GE7	3	1	0	4	4
4.	Dissertation/Academic Project/Entrepreneurship-Part 1	0	0	20	20	10
	<b>TOTAL</b>	<b>9</b>	<b>2</b>	<b>22</b>	<b>33</b>	<b>22</b>

**Eighth Semester**

S. N.	Course	Contact hours				Credit
		L	T	P	Total	
1.	DSC21	3	1	0	4	4
2.	DSE6/GE8	3	1	0	4	4
3.	Dissertation/Academic Project/Entrepreneurship-Part 2	0	0	28	28	14
	<b>TOTAL</b>	<b>6</b>	<b>2</b>	<b>28</b>	<b>36</b>	<b>22</b>

**Total Credits:                    176**

Discipline Specific Course (DSC)

Discipline Specific Elective (DSE)

Generic Elective (GE)

Skill Enhancement Courses (SEC)

Value Addition Courses (VAC)