JIS Institute of Advanced Studies and Research Kolkata
M. Tech in Computer Science and Engineering (splz. in Machine Learning)
Session 2020-2021

1st Semester

Sl. No.		Subject Code	Subject Name	Class Load/Week			Credit
				L	T	P	
1	Core Courses	PGCSML101	Probability and Statistics	3	1	0	4
2		PGCSML102	Pattern Recognition and Machine Learning	3	1	0	4
3		PGCSML103	Data Structure and Algorithms	3	0	0	3
4	CBCS	Offered by other centres / departments		3	1	0	4
5	Labs	PGCSML191	Programming Lab (Python & R)	0	0	6	3
6		PGCSML192	Data Structure and Algorithm Lab	0	0	3	2
7		PGCSML193	Machine Learning Lab	0	0	3	2
Mini Project							2
Total Credits							**24**
Seminar / Skill-Ex							**2**

CBCS Course Offered by the Centre / Department

1. Probability and Statistics

2nd Semester

Sl. No.		Subject Code	Subject Name	Class Load/Week			Credit
				L	T	P	
1	Core Courses	PGCSML201	Computer Vision	3	0	0	3
2		PGCSML202	Advanced Machine Learning	3	1	0	4
3		PGCSML203	IoT and Machine Learning	2	0	3	4
4		PGCSML204	Elective	3	0	0	3
5	CBCS	Offered by other centres / departments		3	1	0	4
6	Labs	PGCSML291	Computer Vision Lab	0	0	3	2
7		PGCSML292	Advanced Machine Learning Lab	0	0	3	2
Mini Project							2
Total Credits							**24**
Seminar / Skill-Ex							**2**

CBCS Course Offered by the Centre / Department

1. DBMS

Internship for 2 months (Semester Break: May 15 – July 15) in Industry / Academia.

3rd Semester

Sl. No	Subject code	Subject Name	Class Load/Week			Credit
			L	T	P	
1.	PGCSML301	Thesis (Interim) with Seminar and Viva-Voce	-	-	-	16
2.	PGCSML302	Industrial Training				8
Total Credits						**24**
Seminar / Skill-Ex						**2**

4th Semester

Sl. No	Subject code	Subject Name	Class Load/Week			Credit
			L	T	P	
1.	PGCSML401	Project Final Thesis with Seminar and Viva-Voce	-	-	-	24
Total Credits						**24**
Seminar / Skill-Ex						**2**

Elective 1
Applied Statistics
Advanced Web Technology
Optimization Techniques
Natural Language Processing

Total Credits = [24+24+24+24] = 96

Total Credits for Seminars / Skill-Ex = [2+2+2+2] = 8