1.	OBJECTIVE	To create a professional human resource in the field of Data Science and analytics, spatial computing, artificial intelligence, and machine learning with the complexities of space science, offering students a comprehensive understanding of cutting-edge technologies and their applications in data science, space science, and related industry equipped with IT and information management skills to cater to the global industry requirements.							
2.	DURATION (IN MONTHS)	24 (Full Time)							
3.	INTAKE	10	10						
4.	RESERVATION	I.Within the sanctioned intake a) SC (In Percentage) b) ST (In Percentage) c) Differently abled (In Percentage)							
		15 7.5 3							
		II.Over and above the sanctioned intakea) Kashmiri Migrants (In Seats)b) International Students (In Percentage)							
			2			2	0		
5.	ELIGIBILITY	Graduate in Engineering, IT, Science, Computer Science, Computer Application of any recognized university/ Institution of National Importance with a minimum of 50% marks or equivalent grade (45% Marks or equivalent grade for Scheduled Caste /Scheduled Tribes).							
6.	SELECTION PROCEDURE	Personal Interaction and Writing Ability Test							
7.	MEDIUM OF INSTRUCTION	English							
8.	PROGRAMME PATTERN	Semester							
9.	COURSE & SPECIALISATION	As per Annexure A							
10.	FEE		Academic Fee p.	a In	stitute Depo	sit	Total		
			1st Year						
	Indian Students (Amount in INR)		429000		20000		449000		
	International Students	NRI/ PIO/ OCI Category (Amount in US\$)	NRI/ PIO/ OCI Category (Amount in US\$) 5450				5725		
	2nd Year								
	To be paid to the RUDN University, Russia based on their norms,								
11.	ASSESSMENT	The courses will hav [University] examin	ve 60% Continuous A ation however, some	Assessn e course	nent and 40% es (not more	Term Than 3	n End 0% of the total		
SIU			3/12/2024			1990	h		



				prog	ramme credi	ts) may have	100% Contin	nuous Assess	ment.	
12. STANDARD OF PASSING				The perfection For separates secu FAI CGF	assessment o ormance. Ma all courses, a rately with a ring less than L. The Unive PA of 4 out of	f the student a ximum Grade student is rec minimum Gr a 40% absolut rsity awards a f maximum o	for each example Point (GP) quired to pass rade Point of te marks in e a degree to th f 10 CGPA f	mination is do is 10 correspond s both interna 4 correspond ach head of p the student wh for the progra	one, based on re onding to O (ou l and external e ing to Grade P. bassing will be c o has achieved mme.	elative tstanding). xamination Students leclared a minimum
13.	AWA	RD OF DEG		Mas By t exar CGF And Scie	Master of Science (Data Science & Spatial Analytics) will be awarded: By taking into consideration the performance of the first and second-semester examination at SIU after obtaining minimum CGPA of 4 out of a maximum of 10 CGPA. And after successfully completing the Master's Diploma in AI ML and Space Science programme at RUDN University, Russia.					
17.	CLAD	SILICATIO						1	T	
Semester		Generic Core	Gene Elect	ric ive	Specialisa- tion Core	Specialisa- tion Elective	Open Elective	Mandatory Non-Credit Course/s	Non-Letter Grade Audit Course/s	Total
						Common				
	1	23	0		0	0	0	1		23
2		25	0		0	0	0	1	As per the student's choice	25
3 Courses delivered a				is pei	the syllabus	and structure	e of the Mast	er's Diploma	in AI ML and Sp	bace

Science programme at RUDN University, Russia. Please refer to the annexure for course and credit mapping. (Annexure B)

> This Programme Structure is aligned with the norms laid down by the University and is approved by the Academic Council and Board of Management. Hereafter changes (if any) which conform to the policy on "Curriculum Development and Review" would be permissible, subject to revision of the Programme Structure, following the specified processes.

> > Director - Academics

THIS IS SYSTEM GENERATED DOCUMENT AND REQUIRES NO SIGNATURE.



4

				. <u> </u>				
Catalog Course Code	Course Code	Course Title	Specialisation	Credit	Continu ous Assess ment	Term End Examina tion	Total Marks	
		Ser	nester:1					
Generic Core Courses								
TE7444	0702440101	Mathematics for Spatial Sciences		4	120	80	200	
TE7689	0702440102	Statistics and Probability		3	150	0	150	
TE7442	0702440103	Introduction to Geospatial Technology		3	90	60	150	
T3580	0702440104	Relational Database Management System		3	90	60	150	
TE7469	0702440105	Principles and Practices of Data Protection		3	90	60	150	
TE7931	0702440106	Python for Data Science		3	90	60	150	
T2239	0702440107	Business Communication		2	100	0	100	
TE7934	0702440108	Research Methodology in Computational Sciences		2	60	40	100	
TH4788	0702440109	Health and Wellness Module I		0	0	0	Mandatory Non-Credit Course	
			Total	23	790	360	1150	
		Ser	nester: 2					
		Generic	Core Courses		_	-	_	
T3447	0702440201	Machine learning		3	150	0	150	
TEE7023	0702440202	Inferential Statistics		2	100	0	100	
TE7470	0702440203	Data Driven Governance		2	60	40	100	
T7049	0702440204	Spatial Data Base Management		2	60	40	100	
F0002	0702440205	Flexi-Credit Course		2	100	0	100	
T3309	0702440206	Big Data Analytics		3	90	60	150	
TE7930	0702440207	Programming for computational sciences		3	90	60	150	
T3490	0702440208	Applied Data Analytics with Python		3	90	60	150	
T3560	0702440209	Computer Vision		3	90	60	150	
F0002	0702440210	Flexi-Credit Course		2	100	0	100	
TH4789	0702440211	Health and Wellness Module II		0	0	0	Mandatory Non-Credit Course	
			Total	25	930	320	1250	
Semester 3 and Semester 4 Courses delivered as per the syllabus and structure of Master's Diploma in AI ML and Space Science from the RUDN University Russia. Students will take courses to fulfill the credit requirements of?SIU?programme.								

Annexure A



Annexure A

Catalog Course Code	Course Code	Course Title	Specialisation	Credit	Continu ous Assess ment	Term End Examina tion	Total Marks



Semester	Continuous Assessment	Term End Examination	Total Credits	Total Marks	
Semester 1	5	18	23	1150	
Semester 2	9	16	25	1250	
Semester 3	Courses delivered as per the syllabus and structure of the Master's Diploma in Al				
Semester 4 the annexure for course and credit mapping (Annexure B					



Sr. No.	Course Mapping Semester	Course Title	Course Credits	RUDN University Course Title	RUDN Credits for the course				
1	3	Deep Learning	3	Artificial Neural Network(Deep Learning)	3				
2	3	Block Chain Technology	3	Technological Hazards and Cyber Security System	3				
3	3	Spatial Modeling	2	Geoinformatics Systems and Applications	3				
4	3	Artificial Intelligence	3	Artificial Neural Networks (Reinforcement Learning)	3				
5	3	Summer Project	4	Research Work	6				
6	3	Flexi-Credit Course	2	History and Methodology of Science	2				
7	3	Elective Course	3	Cross Cultural Training	2				
8	4	Industry Project	12	Undergraduate Training	15				
		Total Credits	32		37				

Annexure B Course Mapping Sheet