

ITMO University

Diploma Supplement

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgments, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION		
1.1	Family name:	Nandan
1.2	Given name(s):	Neerad
1.3	Date, place, country of birth:	March 24, 1994, Ranchi, Jharkhand, India
1.4	Student identification number or code:	Personal student reference code: 247065
2. INFORMATION IDENTIFYING THE QUALIFICATION		
2.1	Name of qualification: Name of title (full, abbreviated):	Магистр (Master) Name of title conferred is not applicable
2.2	Main field(s) of study for the qualification:	Field of study: Applied Mathematics and Informatics Specialization: Data Analysis
2.3	Name and status of awarding institution:	Министерство Науки и Высшего Образования Российской Федерации Федеральное государственное автономное образовательное учреждение высшего образования «Национальный исследовательский университет ИТМО», Российская Федерация ITMO University, Russian Federation Status: federal state autonomous educational institution of higher education under the jurisdiction of the Ministry of Education and Science of the Russian Federation
2.4	Name and status of institution administering studies:	Same as in 2.3
2.5	Language(s) of instruction / examination:	English
3. INFORMATION ON THE LEVEL OF THE QUALIFICATION		
3.1	Level of qualification:	According to the International Standard Classification of Education (ISCED-2011) the qualification applies to the ISCED level 7 "Master or equivalent" with academic orientation.
3.2	Official length of the program:	2 years, 120 ECTS credit points, 851,6 hours
3.3	Access requirements:	Bachelor's Degree (at least four years of full-time study or 240 ECTS credit points), University entrance examination
4. INFORMATION ON THE CONTENTS AND RESULTS GAINED		
4.1	Mode of study:	Full-time
4.2	Program requirements:	Total time of studies: 4 semesters or 104 weeks including: 40 weeks of theory including examinations; 8 weeks of practical work; 14 weeks of research work; 2 weeks of final state examination including master's thesis defense; 20 weeks of

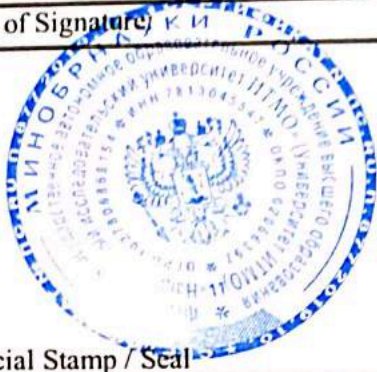
		holidays, including 4 weeks of national holidays and 8 weeks after graduation.		
4.3	Program details:			
	Discipline	ECTS credit points	National grade	ECTS grade
1	Project Management (Entrepreneurial Culture)	4	4	B
2	Foreign Language for Specific Purposes (Russian)	4	4	B
3	Negotiations, Influence and Conflict Management	4	passed	U/T
4	Data Processing and Analysis	3	5	A
5	Applied Artificial Intelligence	3	5	A
6	Advanced Algorithms and Data Structures	3	4	B
7	Programming Languages	3	4	B
8	High Performance Computing	3	passed	U/T
9	Actual Advances of Machine Learning	4	passed	U/T
10	Mathematical Statistics	3	4	B
11	Machine Learning	5	3	D
12	Deep Learning	2	3	D
13	Data Warehousing	3	5	A
14	Natural Language Processing	5	3	D
15	Social Network Analysis	5	5	A
16	Recommender Systems	3	passed	U/T
17	Informational Retrieval	3	passed	U/T
Practical Training		ECTS credit points	National grade	ECTS grade
Research Internship		24	5	A
Research Internship		21	5	A
Senior Internship		9	5	A
Term Papers		ECTS credit points	National grade	ECTS grade
Machine Learning		-	5	A
Social Network Analysis		-	5	A
Graduation thesis		ECTS credit points	National grade	ECTS grade
User Behavior Analysis in Online Social Networks		6	3	D
4.4	Grading scheme	Russian national grade	Meaning of grade	ECTS
		5 (excellent)	High level of competence	A
		4 (good)	Good general performance	B
				C
		3 (satisfactory)	Fair general performance	D
		2 (unsatisfactory)	Failure	E
passed	Ungraded test	F		
4.5	Overall classification:	Diploma		
5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION				
5.1	Access to further study:	This qualification gives access to postgraduate doctoral study.		
5.2	Professional Status:	This Diploma gives its holder the right to carry out professional activities where higher education is required.		
6. ADDITIONAL INFORMATION				

6.1	Additional Information:	<p>Founded in 1900, the Saint Petersburg National Research University of Information Technologies, Mechanics and Optics (ITMO University) is a leading Russian school in Information and Optics Technology. ITMO University currently provides educational services, at both undergraduate and postgraduate level, in approximately 40 specializations related to Information and Computer Technology, Computer Science, Optical Engineering, Physical Engineering, Optical Technologies etc.</p> <p>ITMO University has a considerable size with more than 12,000 students and 1,200 teachers, researches and other staff members. ITMO University is fully participating in the Bologna process and provides educational services in accordance with the two-tier model, i.e. at Bachelor and Master level.</p> <p>ITMO University is a full member of European University Association (EUA). This is the first university in the Russian Federation, which has conducted the Institutional Evaluation Program administered by the EUA.</p>
6.2	Additional Information Sources:	<p>Official website of Saint Petersburg National Research University of Information Technologies, Mechanics and Optics: < http://www.ifmo.ru >.</p> <p>Official website of the Ministry of Education and Science of the Russian Federation: <http://mon.gov.ru/> or < http://eng.mon.gov.ru/ ></p>

7. CERTIFICATION OF THE SUPPLEMENT

This Diploma Supplement refers to the following original document: N° 107824 4680687 issued on July 10, 2020

Date of Signature: July 11, 2020

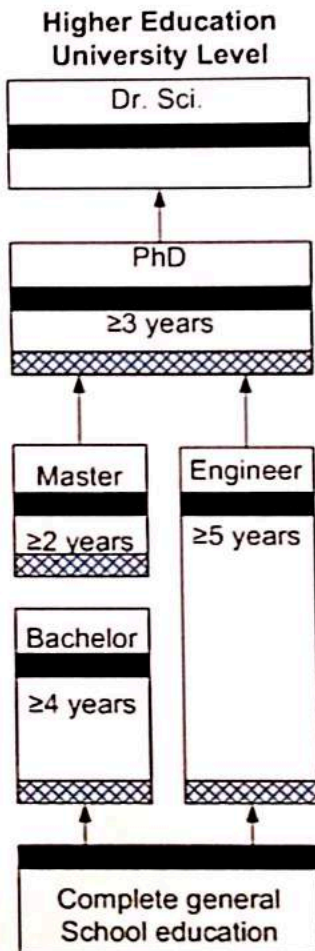


Official Stamp / Seal

Rector

Vladimir N. Vasilyev

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM: For information on the Russian system of education, see enclosure.



Neerad Nandan