

Fatemeh Aghaei

Saskatoon, SK, Canada | 639 318 0707 | faa272@usask.ca

Education

Master of Arts in Teaching English as a Second Language 2018–2020
University of Saskatchewan

Bachelor of Civil Engineering 2014–2018
University of Isfahan, Iran

Further Education

Natural Language Processing Specialization 2020
Deeplearning.ai

- Natural Language Processing with Classification and Vector Spaces
- Natural Language Processing with Probabilistic Models
- Natural Language Processing with Sequence Models

TensorFlow in Practice specialization 2020
Deeplearning.ai

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning
- Convolutional Neural Networks in TensorFlow
- Natural Language Processing in TensorFlow
- Sequences, Time Series and Prediction

Deep Learning Specialization 2020
Deeplearning.ai

- Neural Networks and Deep Learning
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
- Structuring Machine Learning Projects
- Convolutional Neural Networks
- Sequence Models

Machine Learning 2020
Stanford Online

Data Science Specialization 2020
Johns Hopkins University

- R Programming
- Getting and Cleaning Data
- Exploratory Data Analysis
- Reproducible Research

Python for Everybody Specialization

2019

University of Michigan

- Python Data Structures
- Using Python to Access Web Data
- Using Databases with Python
- Capstone: Retrieving, Processing, and Visualizing Data with Python

Skills & Abilities

TECHNICAL SKILLS

- **Languages & Frameworks:** Python, R, NumPy, matplotlib, OpenCV, TensorFlow, Keras, Pandas, Scikit-learn, Spacy, NLTK.
- **Web Scraping:** Requests, lxml, BeautifulSoup,
- **Databases, Caching:** SQL, NoSQL
- **Deep Learning:** NN, CNN, RNN, LSTM, GRU
- **Natural Language Processing:** Preprocessing, Machine Translation, Word Embeddings, Sentiment Analysis, Locality-Sensitive Hashing, Vector Space Models, Information Retrieval, Summarization.

LANGUAGES

- English: fluent
- Farsi: native
- Spanish: intermediate

PROJECTS

Sentiment analysis, 2020

- Using Kaggle's Sentiment140 dataset to train a neural network with GLoVe word embeddings to perform sentiment analysis of tweets.

Tweeter sentiment analysis with logistic regression, 2020

- Sentiment analysis using NLTK Twitter dataset (twitter_samples) with a logistic regression model

Poetry generation, 2020

- Training a corpus of Shakespeare sonnets to create Shakespeare-sounding poetry.

Real-time Face Recognition with OpenCV, 2020

- Face Detection and Recognition using Python, OpenCV, and webcam.

Using the Google Places API with a Database and Visualizing Data on Google Map

- Using the Google geocoding API to clean up user-entered geographic locations of university names and then placing the data on a Google Map

Capstone Project, Python Language

The University of Michigan, Coursera 'Specialization', 2019

- Computing a simple version of Google's Page Rank algorithm and Visualizing the resulting network using Python and SQLite3 databases

Computational Linguistics, R Language

University of Saskatchewan, 2018

- In this Linguistic project by analyzing datasets gathered from mixed-languages, mixed-effect regression models were created to investigate the variations in vowel production according to the speakers' background such as age, the origin of language, education, etc..

WORK EXPERIENCE

Teacher Assistant

2018–2020

Linguistics Department, University of Saskatchewan, Saskatoon, SK

- Data preprocessing and feature engineering
- Training Logistic Regression models for computational linguistics projects

High school math tutor

2015–2018

Shokrani high school, Esfahan, Iran

- Teaching mathematics, calculus, and algebra to grade 10, 11, 12 students
- Discussing the importance of math in Data Science with the students

University of Saskatchewan Transcript of Academic Record

Student No: 11262270

Date of Birth: 26-DEC

Date Issued: 01-MAY-2020

Official

Record of: Fatemeh Aghaei

Issued To: Fatemeh Aghaei

PO Box 21106 RPO Grosvenor Prk

Saskatoon, SK S7H 5N9

Canada

Page: 1

Level: Graduate Studies Level

SUBJ NO.	COURSE TITLE	CRED GRD	COMMNT
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INSTITUTION CREDIT:

2018 Fall Term

Graduate and Postdoc Studies

ECUR 842	Understand 2nd Lang Learning	3.00	87
ESOL 802	Developing ESL Proficiencies	3.00	92
GPS 960	Introduction Ethics Integrity	0.00	CR
LING 803	Adv Conversation Analysis	3.00	92

2019 Winter Term

Graduate and Postdoc Studies

ESOL 806	TESOL Practicum	3.00	93
LING 804	Research Methods	3.00	95
LING 811	Adv Sociolinguistic Theory	3.00	77

2019 Fall Term

Graduate and Postdoc Studies

ESOL 801	Curriculum and Assessment	3.00	89
ESOL 803	Language Teaching Technology	3.00	91

2020 Winter Term

Graduate and Postdoc Studies

ECUR 841	Foundations ESL EAL Teaching	3.00	90
LING 810	Language and Gender	3.00	89

In May 2005, the University of Saskatchewan adopted new subject codes. For further explanation of the codes and their historic equivalents, visit <http://usask.ca/subject-codes>

***** END OF TRANSCRIPT *****

Russell Isinger
Registrar



UNIVERSITY OF
SASKATCHEWAN

شماره ۳۲۲۹۱۶ سری ک

ردیف دفتر ثبت



جمهوری اسلامی ایران
قوة قضائیه - اداره مترجمین رسمی

جواد حاجی اکبری فینی - دارالترجمه رسمی جواد اکبری (پروانه ۱۳۹)
مترجم رسمی انگلیسی دادگستری و عضو جامعه مترجمان رسمی کشور
اصفهان، چهارراه حکیم نظامی، خ. نظر میانی، مجتمع پانید، ط. اول، ش. ۶
ک.پ ۹۷۴۹۵ - ۸۱۷۲۸ تلفن: ۳۶۲۶ ۸۵۲۷ - ۳۶۲۷ ۴۴۳۷ (۰۳۱)

Javad Haji Akbari Fini - Reg. # 139
Official English Translator to the Ministry of Justice (IRI Judiciary)
Member of Iranian Association of Official Translators
#6, 1st Fl., Paniz Bldg., NazarMiani St., HakimNezami Crossroads,
Isfahan, 81738 - 97495, Iran Tel: (+98 31) 3627 4437 - 3626 8537
www.akbaritarjomeh.com akbari.tarjomeh@gmail.com

"In the name of God"
"Official English Translation"

Daneshpajooohan-Pishro Non-State and Non-Profit Institute of Higher Education

Golestan University Comprehensive System

Faculty of Civil Engineering and Surveying

Department of Civil Engineering

Photo of the bearer

Date: 17 March, 2018 Report # 100

Bachelor's Program Transcript

FATEMEH AGHAEI

daughter of Abolghasem, Birth Certificate No. 1271583161, National Id. # 1271583161, Esfahan,

born on 26 Dec., 1993, Student # 9155086

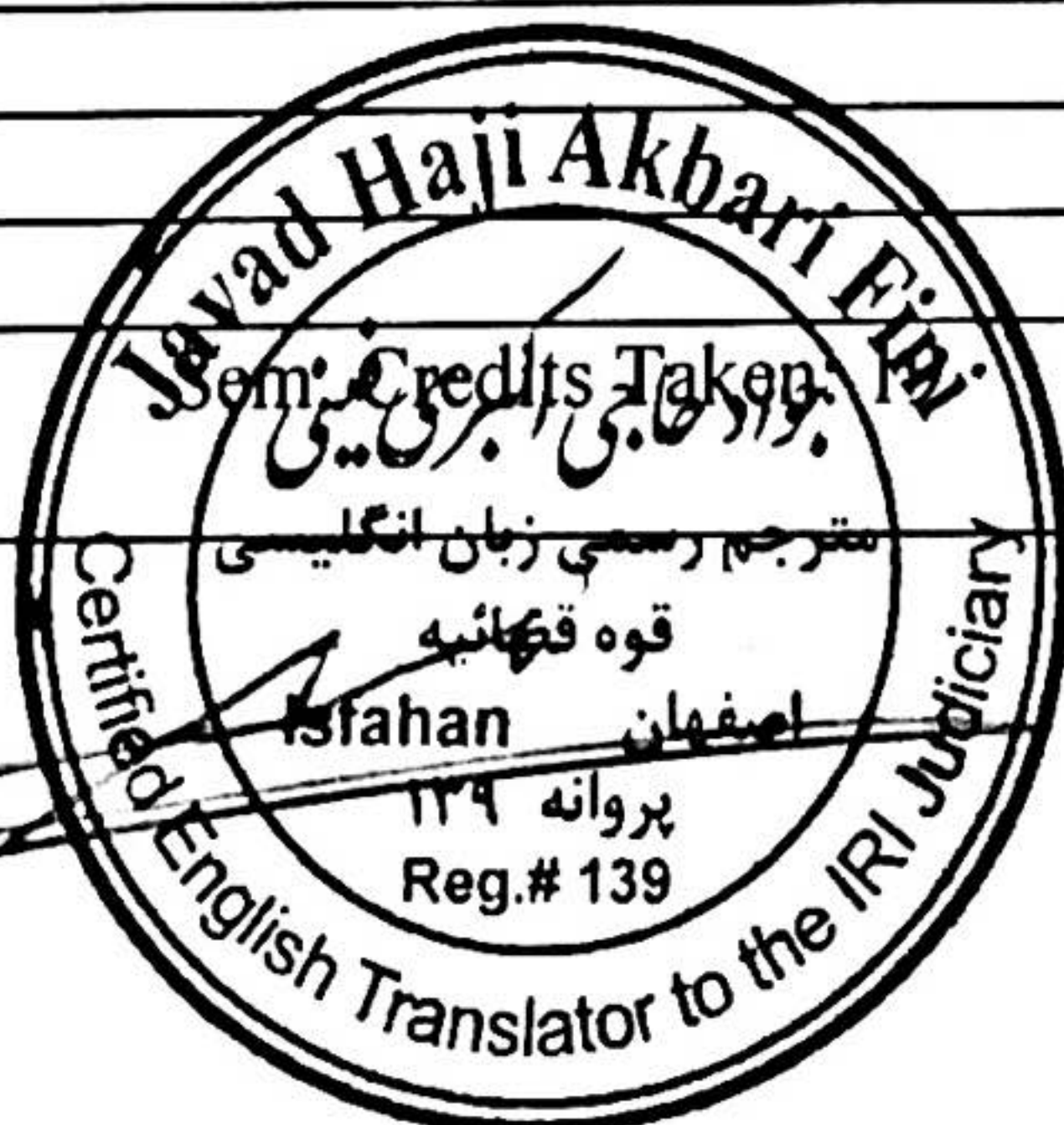
Major: **Civil Engineering**

Type of admission: Region # 1

Daytime program

(All marks are out of 20.00)

Course-Titles	Credits	Marks	Effect
1st Sem., 2012 – 2013 academic year (Transferred to this university)			
Pre-university Mathematics	3	16.00	
History of Culture & Civilization of Islam and Iran	2	13.50	
Gen. Persian Language	3	15.00	
English Language	3	18.00	
Physical Education I	1	19.50	
Constitutional Law	2	17.50	3
Fundamentals of Psychology	2	18.50	3
Introduction to Tourism	2	16.25	3
Sem. GPA: 16.56	Sem. Credits Taken: 18	Sem. Credits Passed: 12	
Consecutive Credits Passed: 12		Cum. GPA: 16.13	
2nd Sem., 2012 – 2013 academic year (Transferred to this university)			
Islamic Revolution of Iran	2	14.00	
Applied Mathematics in Tourism Management	3	19.50	3
Principles of Accounting I	3	16.25	3
Fundamentals of Organization & Management	3	12.25	3
Tourism Services	2	12.00	3
Principles & Application of Computer in Tourism	2	20.00	3
Sem. GPA: 15.73	Sem. Credits Taken: 15	Sem. Credits Passed: 2	
Consecutive Credits Passed: 14		Cum. GPA: 15.82	
1st Sem., 2013 – 2014 academic year			
Technical Drawing & Construction Drawing	2	12.25	
Statics	3	10.00	
Engineering Geology	2	10.00	
Gen. Mathematics I	3	Withdrawal	3
Physics I	3	Withdrawal	3
Physics Lab. I	1	16.50	
Koran Exegesis	2	18.00	
History of Early Islam	2	16.00	
Physical Education II	1	20.00	
Sem. GPA: 13.77	Sem. Credits Taken: 19	Sem. Credits Passed: 13	
Consecutive Credits Passed: 27		Cum. GPA: 14.83	



شماره ۳۲۲۹۱۷ سری ک

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جمهوری اسلامی ایران

قوة قضائیه - اداره مترجمین رسمی

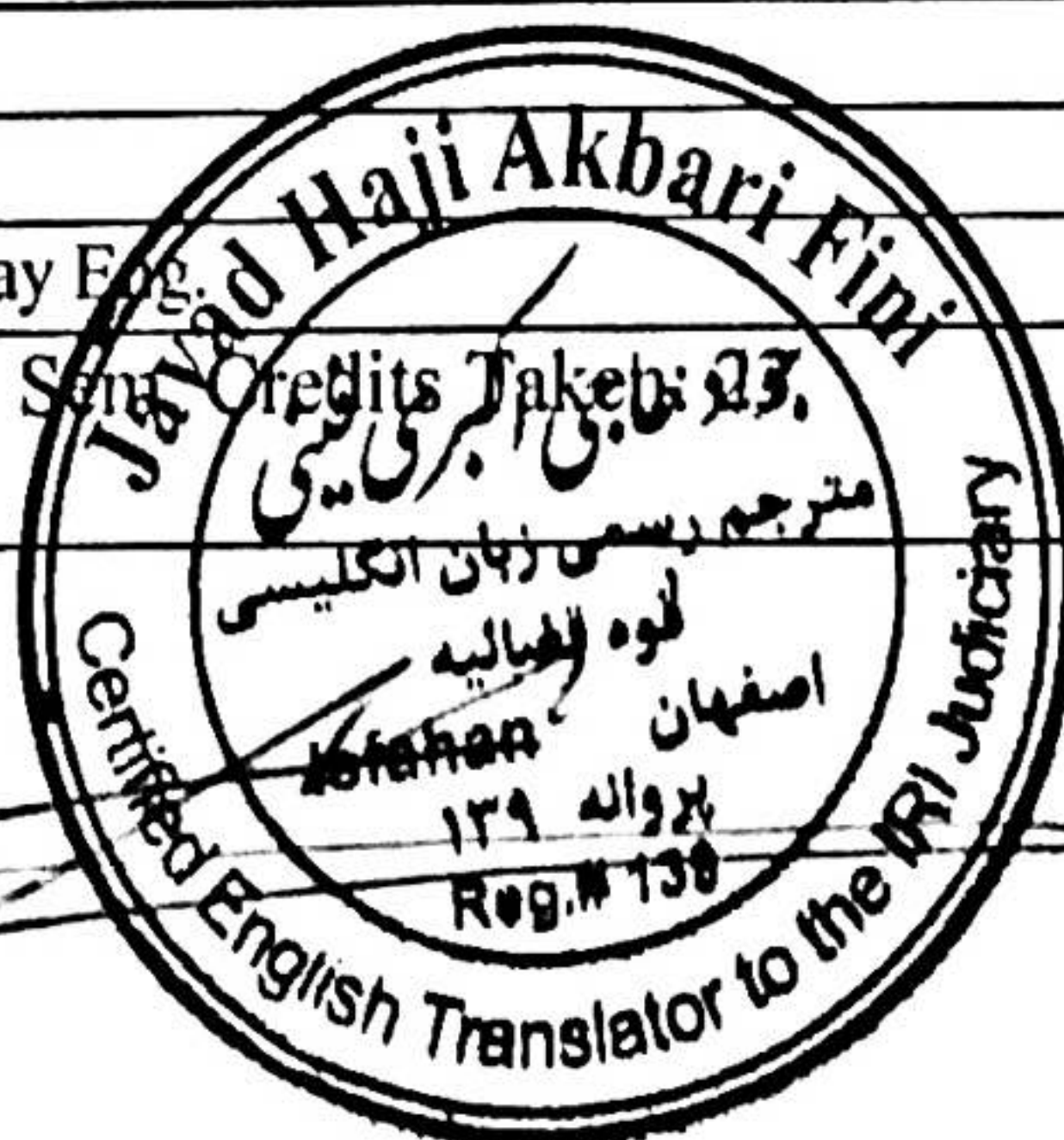
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2nd Sem., 2013 – 2014 academic year			
Surveying I & Field-Work Operations	2	10.00	
Construction Materials & Lab.	2	19.10	
Strength of Materials I	3	Withdrawal	3
Environmental Engineering	2	16.00	
Gen. Mathematics I	3	15.00	
Gen. Mathematics II	3	13.00	
Differential Equations	3	19.00	
Sem. GPA: 15.41	Sem. Credits Taken: 18		Sem. Credits Passed: 15
Consecutive Credits Passed: 42			Cum. GPA: 15.04
1st Sem., 2014 – 2015 academic year			
Concrete Technology	2	15.00	
Architectural Design & Town Planning	2	Withdrawal	3
Dynamics	3	12.00	
Strength of Materials I	3	10.00	
Engineering Statistics & Probability	2	20.00	
Computer Programming	3	17.75	
Living Rules (Applied Ethics)	2	19.00	
Islamic Thoughts I	2	20.00	
Sem. GPA: 15.72	Sem. Credits Taken: 18		Sem. Credits Passed: 15
Consecutive Credits Passed: 42			Cum. GPA: 15.24
2nd Sem., 2014 – 2015 academic year			
Systems Engineering	2	18.50	
Concrete Technology Lab.	1	20.00	
Architectural Design & Town Planning	2	20.00	
Structural Analysis I	3	13.00	
Soil Mechanics	3	19.25	
Fluid Mechanics	3	13.50	
Engineering Economy	2	19.00	
Numerical Computations	2	20.00	
Islamic Thoughts II	2	20.00	
Sem. GPA: 17.61	Sem. Credits Taken: 20		Sem. Credits Passed: 20
Consecutive Credits Passed: 79			Cum. GPA: 15.84
1st Sem., 2015 – 2016 academic year			
Engineering Hydrology	2	20.00	
Electrical & Mechanical Installations	2	16.00	
Structural Analysis II	3	20.00	
Reinforced Concrete Structures I	3	16.60	
Steel Structures I	3	14.75	
Soil Mechanics Lab.	1	19.75	
Hydraulics & Lab.	3	19.50	
Highway Eng.	2	20.00	
Specialized English Language	2	20.00	
Building Construction Machinery in Highway Eng.	2	19.00	
Sem. GPA: 18.36	Sem. Credits Taken: 23		Sem. Credits Passed: 23
Consecutive Credits Passed: 102			Cum. GPA: 16.41



شماره ۲۲۲۹۱۸ سری کی

ردیف دفتر ثبت



جمهوری اسلامی ایران
قوة قضائية - اداره مترجمين رسمی

جواد حاجی اکبری فینی - دارالترجمه رسمی جواد اکبری (پروانه ۱۳۹)
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2nd Sem., 2015 – 2016 academic year			
Principles of Construction Management	2	20.00	
Hydraulic Structure	3	19.50	
Reinforced Concrete Structures II	3	19.50	
Steel Structures II	2	17.50	
Highway Eng. Project	1	18.00	
Pavement Eng.	2	16.00	
Estimation & Project	1	20.00	
Civil Engineering Software	2	16.25	
Water & Waste Water Engineering & Project	3	20.00	
National Construction Rules	3	14.00	
Family Planning & Population	2	20.00	
Sem. GPA: 18.19	Sem. Credits Taken: 24		Sem. Credits Passed: 24
Consecutive Credits Passed: 126			Cum. GPA: 16.75
1st Sem., 2016 – 2017 academic year			
Transport Eng.	2	18.50	
Railway	2	15.94	
Reinforced Concrete Structures Project	1	19.00	
Steel Structures Project	1	19.00	
Foundation Eng.	2	16.70	
Methods of Buildings Construction Execution	2	20.00	
Training Course	1	15.00	
Principles of Earthquake & Wind Eng.	3	13.00	
Principles of Traffic Eng.	2	18.32	
Physics I	3	19.00	
Sem. GPA: 17.26	Sem. Credits Taken: 19		Sem. Credits Passed: 19
Consecutive Credits Passed: 145			Cum. GPA: 16.81

Courses Type	Credits Passed	GPA
General	22	17.84
Basic	20	17.29
Specialized	64	15.94
Optional	36	17.49
Pre-University	3	16.00

Transferred to this university: Sheykh-Bahaei University of Esfahan,

Major: Tourism Management

Last Status: Graduated on 3 Feb., 2017

Cum. GPA of the student: 16.81

Cum. GPA in the university: 15.52

Cum. GPA in faculty: 14.58

Cum. GPA in the major: 14.55

Note: The courses marked with (3) are not effective in the Credits Passed and Cum. GPA of the student.

Deputy, Educational Vice-Chancellor's Office, Daneshpajooan Institute of Higher Education,

Ministry of Science, Research & Technology,

Signed & Sealed.

Item # 40

Date: 9 April, 2018

The truth of the seal and signature of the university authorities is authenticated.

Jamasb Nozari,

Director General, Home Students' Affairs Office, Ministry of Science, Research and Technology,

Signed & Embossed Seal.

True English Translation Certified.
Esfahan 17 April 2018 MMS

