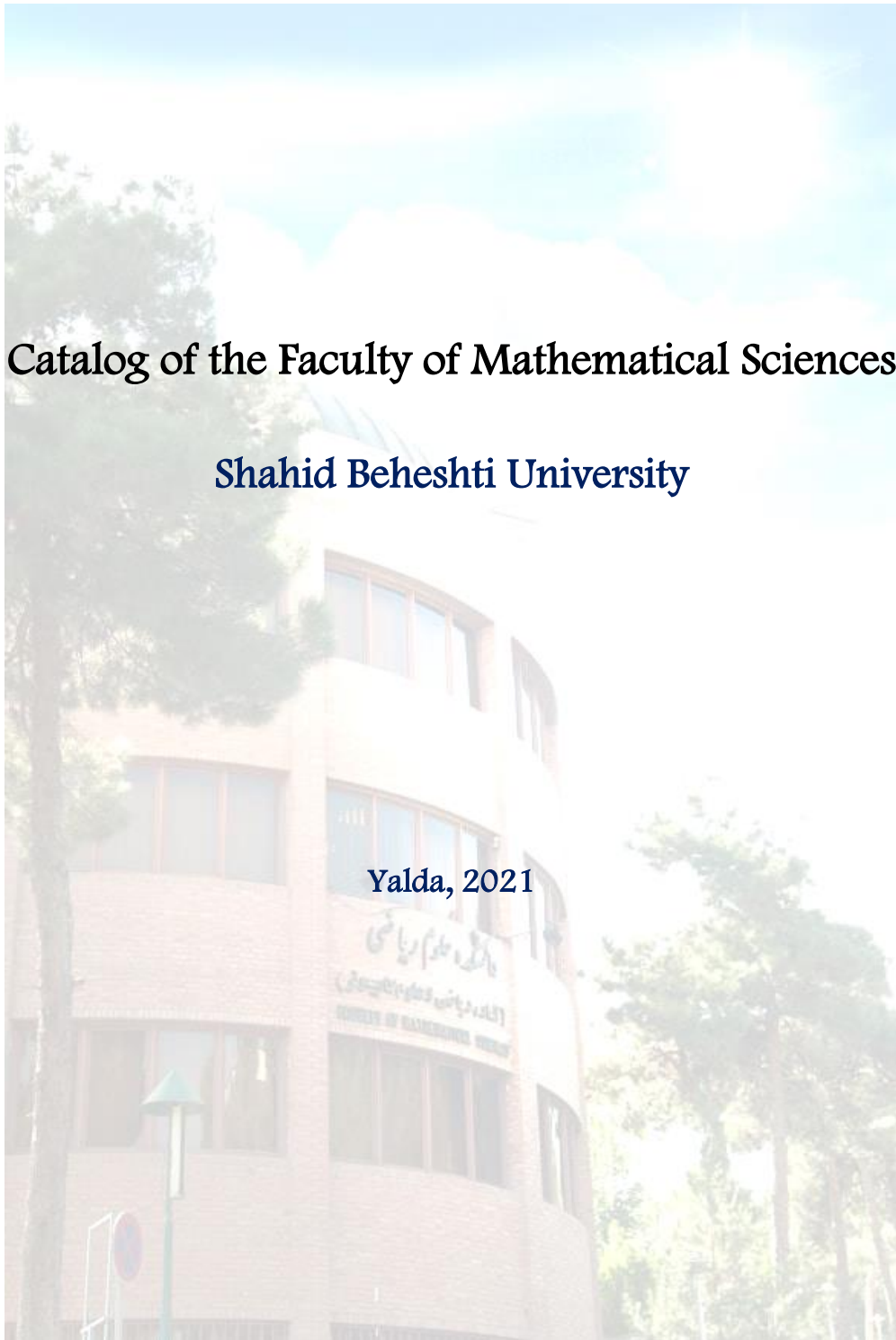In the Name of Gad

بسم الله الرحمن الرحيم

Catalog of the Faculty of Mathematical Sciences

Shahid Beheshti University

Yalda, 2021

Collectors

First Edition

Dr. Mojgan Mahmoudi

Page Layout: Negin Masoum

2012

Second Edition

Dr. Hossein Hajiabolhassan

Editor: Dr. Shirin Shoaee

Page Layout: Abbas Asadkhah-Mohammad Hossein Yaghoubi

Yalda, 2021

Introduction

Thanks God that the eloquent cannot praise Him, the enumerators do not know how to count his blessings, and the diligent ones cannot fulfill his right. A booklet describing the duties, information, and goals of the Faculty of Mathematical Sciences was prepared in 2012 with the commendable efforts of Dr. Mojgan Mahmoudi as the then Dean of the above-mentioned Faculty and with the cooperation of Negin Masoum. The present article which is now available to you with the title of "Introduction to Faculty of Mathematical Sciences" is considered as the second edition of the booklet, the contents of which have been prepared, completed, and updated with the cooperation of esteemed heads of departments and faculty members. This article contains the history and introduction to the Faculty, a complete description of the introduction and strategic plan of the departments, as well as comprehensive information about the labs which has been prepared and added to the booklet with the great efforts of heads of department, some faculty colleagues, and directors of the Faculty research labs. In this new edition, a summary of the lives of the Faculty pioneers, the honors of the Faculty, the ethical charter of the instructors, staff, and students, the titles of educational and research regulations related to students and instructors and related links, several new regulations, and a picture gallery of faculty memoirs has been added to the booklet. In addition, the job description has been collected up to date and in a more detailed form.

It is worth noting that this edition has been prepared with the unsparing cooperation of Dr. Shirin Shoaee, Abbas Asadkhah, and Mohammad Hossein Yaghoubi. In addition, all of the esteemed masters and instructors should be appreciated for their help, especially Dr. Eslami, Dr. Dehghan, Dr. Rivaz, Dr. Shoaee, Dr. Mahmoudi, Ms. Masoom, Dr. Ahmadi Kakavandi, Dr. Azari Azghandi, Mr. Asadkhah, Dr. Eslahchi, Dr. Iradmousa, Dr. Borzooei, Dr. Bahrami Samani, Dr. Hajarian, Dr. Khazaei, Dr. Faridrohani, Mr. Zolfigol, Mr. Taheri, Dr. Fakhari Ghouchani, Dr. Farahani, Dr. Faghihi Habibabadi, Dr. Shahrokhi Dehkordi, and Mr. Yaghoubi. The present article which is at your disposal is regarded as the second edition prepared in December 20, 2020 and is updated every year. For the latest changes, refer to the latest edition on the website of the Faculty of Mathematical Sciences.

Hossein Hajiabolhassan

December 20, 2021

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What Is Mathematical Science?
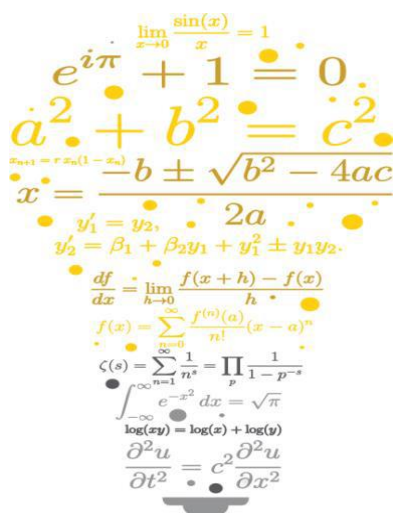
Mathematics is considered as the study of quantities, spaces, structures, models, and changes, meaning that there is no aspect of human activity that does not require this discipline. Now the modern world, which is itself a product of science and technology based on mathematics, relies on and uses mathematical sciences more than ever to develop and evolve although the first discoveries of mathematics date back to several thousand years ago. Mathematics is regarded as a boiling spring that irrigates a wide range of people from logic and reasoning enthusiasts to pragmatists trying to solve the tangible problems of modern life. The dual face of mathematics in both theoretical and practical fields enables the graduates of mathematical sciences to expand into a wide range of fields such as mathematics research, computer science, engineering, economics, services, medicine, and almost any branch of science or technology.

Faculty of Mathematical Sciences in Shahid Beheshti University trains BA, MA, and PhD students in the fields of statistics, actuarial science, mathematics, applied mathematics, computer sciences and data sciences, and its graduates can work in almost any organization or institution in the public or private sector.

History of Faculty of Mathematical Sciences

Faculty of Mathematical Sciences consists of five departments including the Department of Mathematics, Department of Applied Mathematics, Department of Statistics, Department of Actuarial Science, and Department of Computer and Data Sciences, which was formed in 1991 by merging the Department of Statistics and the Department of Mathematics. Until then, the Department of Statistics was part of the Universal Faculty of Informatics and Management, while the Department of Mathematics was part of the Faculty of Science. Department of Mathematics started its activity in the Faculty of Science since the academic years of 1962-63, while the Department of Statistics started its activity in the Universal Faculty of Informatics and Management in the academic year of 1976-77. It is noteworthy that the Statistics and Informatics Institute of Higher Education (formerly) which was established in 1966 and was considered the first in the country was merged into the Department of Statistics in this Faculty after the Cultural Revolution in 1983. In addition, the Department of Computer and Data Sciences was established in the university in 1999 and admitted students in this field. All of the departments in the Faculty of Mathematical Sciences are currently active in three levels including BA, MA, and PhD.

During 2016, the Department of Statistics was divided into the Department of Statistics and Department of Actuarial Science, and the Department of Mathematics was divided into the Department of Applied Mathematics and Department of Mathematics in order to interact and communicate more effectively with industry and society and focus on expanding subdisciplines of postgraduate education and setting up research labs. In this regard, the first group of PhD students in actuarial science and the first group of MA students in data science in Iran were accepted into the Faculty of Mathematical Sciences during 2017 and 2018, respectively. In addition, the Universal Data Science Research Lab in the Faculty of Mathematical Sciences was established and started operating in 2019 so that nine specialized labs in the field of data sciences are working in this lab.

Faculty of Mathematical Sciences consists of 45 full-time faculty members. In addition, 480 undergraduate, 307 postgraduate, and 101 doctoral students are studying in this Faculty.

Since this establishment, seven faculty members have been in charge of the Dean of the Faculty of Mathematical Sciences, whose names are as follows.

Row	First and Last Name	Post	Start Date	Termination Date
1	Dr. Ahmad Shahvarani	Dean of the Faculty	1990	1994
2	Dr. Siamak Nourbaloochi	Dean of the Faculty	1994	1997
3	Dr. Mohammad Zokaei	Dean of the Faculty	1997	2010
4	Dr. Mojgan Mahmoudi	Dean of the Faculty	2010	2013
5	Dr. Sohrab Ali Yousefi	Dean of the Faculty	2013	2017
6	Dr. Mojtaba Ganjali	Dean of the Faculty	2017	2020
7	Dr. Hossein Hajiabolhassan	Dean of the Faculty	2020	Present

The followings are the faculty members who have held the relevant responsibilities as the Vice-chancellor for Education, Vice-chancellor for Postgraduate Education, and Vice-chancellor for Execution of the Faculty since the establishment of the Faculty of Mathematical Sciences until today.

Row	First and Last Name	Post	Start Date	Termination Date
1	Dr. Mohammad Reza Meshkani	Vice-chancellor for Education	1991	1993
2	Dr. Mohammad Zokaei	Vice-chancellor for Education	1994	1997
3	Dr. Massoud Alborz	Vice-chancellor for Execution	2000	2004
4	Dr. Mohammad Mehdi Ebrahimi	Vice-chancellor for Postgraduate Education	1995	1996
5	Dr. Seyed Alireza Hosseiniun	Vice-chancellor for Education and Postgraduate Education	1997	2003
6	Dr. Zahra Gooya	Vice-chancellor for Education and Postgraduate Education	2003	2008
7	Dr. Hossein Hajiabolhassan	Vice-chancellor for Education and Postgraduate Education	2008	2010
8	Dr. Alireza Salemkar Langroudi	Vice-chancellor for Education and Postgraduate Education	2010	2014
9	Dr. Changiz Eslahchi	Vice-chancellor for Education and Postgraduate Education	2104	2018
10	Dr. Mohammad Reza Faridrohani	Vice-chancellor for Education and Postgraduate Education	2018	Present

In addition, the faculty members who have been in charge of the Vice-chancellor for Research since the establishment of the Faculty of Mathematical Sciences are as follows.

Row	First and Last Name	Post	Start Date	Termination Date
1	Dr. Mohammad Ghasem Vahidi Asl	Vice-chancellor for Research	1997	2004
2	Dr. Khalil Shafiei	Vice-chancellor for Research	2004	2006
3	Dr. Mohammad Reza Faghihi Habibabadi	Vice-chancellor for Research	2006	2006
4	Dr. Ahmad Khodadadi	Vice-chancellor for Research	2006	2009
5	Dr. Mojgan Mahmoudi	Vice-chancellor for Research	2009	2010
6	Dr. Hossein Hajiabolhassan	Vice-chancellor for Research	2010	2012
7	Dr. Amir Teymour Payendeh Najafabadi	Vice-chancellor for Research	2012	2016
8	Dr. Masoud Hajarian	Vice-chancellor for Research	2016	2021
9	Dr. Abbas Fakhari Ghouchani	Vice-chancellor for Research	2021	Present

Further, the faculty members who have been responsible as the Head of the Department in the Faculty of Mathematical Sciences since its establishment are as follows.

Department of Statistics				
Row	First and Last Name	Post	Start Date	Termination Date
1	Dr. Mahmoud Daneshmand Firoozabadi	Head of the Department	1977	1982
2	Dr. Mohammad Meshkani	Head of the Department	1989	1991
3	Dr. Ali Agha Azadeh	Head of the Department	1991	2005
4	Dr. Mohammad Ghasem Vahidi Asl	Head of the Department	2005	2009
5	Dr. Mohammad Reza Faghihi Habibabadi	Head of the Department	2009	2011
6	Dr. Mojtaba Ganjali	Head of the Department	2011	2013
7	Dr. Mojtaba Khazaei	Head of the Department	2013	2015
8	Dr. Mohammad Reza Faridrohani	Head of the Department	2015	2017
9	Dr. Seyed Mohammad Ebrahim Hosseini Nasab	Head of the Department	2017	2019
10	Dr. Firoozeh Rivaz	Head of the Department	2019	2020
11	Dr. Mojtaba Khazaei	Head of the Department	2020	Present

Department of Actuarial Science				
Row	**First and Last Name**	**Post**	**Start Date**	**Termination Date**
1	Dr. Amir Teymour Payendeh Najafabadi	Head of the Department	2016	2018
2	Dr. Mohammad Reza Faridrohani	Head of the Department	2018	Present

Department of Mathematics				
Row	**First and Last Name**	**Post**	**Start Date**	**Termination Date**
1	Dr. Vazgen Avanesyan	Head of the Department	1962	1964
2	Dr. Gholamhossein Mosaheb	Head of the Department	1967	1968
3	Dr. Dariush Naser	Head of the Department	1968	1971
4	Dr. Massoud Seyedin	Head of the Department	1972	1975
5	Dr. Haghdad Memari	Head of the Department	1976	1977
6	Dr. Mohammad Hossein Afqahi	Head of the Department	1978	1980
7	Dr. Rahman Azari	Head of the Department	1981	1981
8	Dr. Mohammad Mehdi Ebrahimi	Head of the Department	1981	1984
9	Dr. James Beth David	Head of the Department	1985	1986
10	Dr. Saeed Faryabi	Head of the Department	1988	1989
11	Dr. Mohammad Mehdi Ebrahimi	Head of the Department	1990	1992
12	Fakhreddin Ayatollah Zadeh Shirazi	Head of the Department	1992	1992
13	Dr. Javad Tavakoli	Head of the Department	1992	1994
14	Dr. Seyed Alireza Hosseiniun	Head of the Department	1994	1998
15	Dr. Mohammad Mehdi Ebrahimi	Head of the Department	1998	2001
16	Dr. Samad Haj Jabbari	Head of the Department	2001	2003
17	Dr. Vida Milani	Head of the Department	2003	2005
18	Dr. Changiz Eslahchi	Head of the Department	2005	2007
19	Dr. Alireza Salemkar	Head of the Department	2007	2009
20	Dr. Sohrab Ali Yousefi	Head of the Department	2009	2011
21	Dr. Morteza Moniri	Head of the Department	2011	2015
22	Dr. Farhad Khellat	Head of the Department	2015	2016
23	Dr. Negur Shahni Karamzadeh	Head of the Department	2016	2017
24	Dr. Massoud Tousi	Head of the Department	2017	2018
25	Dr. Abbas Fakhari Ghouchani	Head of the Department	2018	2021
26	Dr. Reza Taleb	Head of the Department	2021	Present

Department of Applied Mathematics				
Row	**First and Last Name**	**Post**	**Start Date**	**Termination Date**
1	Dr. Farhad Khellat	Head of the Department	2016	2017
2	Dr. Hossein Azari	Head of the Department	2017	2021
3	Dr. Bijan Ahmadi Kakavandi	Head of the Department	2021	Present

Department of Computer and Data Sciences				
Row	**First and Last Name**	**Post**	**Start Date**	**Termination Date**
1	Dr. Seyed Alireza Hosseiniun	Head of the Department	2000	2002
2	Dr. Hossein Hajiabolhassan	Head of the Department	2002	2006
3	Dr. Ziba Eslami	Head of the Department	2007	2009
4	Dr. Dr. Kourosh Parand	Head of the Department	2009	2011
5	Dr. Mojgan Mahmoudi	Head of the Department	2011	2012
6	Dr. Maryam Tahmasbi Abdar	Head of the Department	2012	2016
7	Dr. Hadi Farahani	Head of the Department	2016	Present

Facilities in the Faculty of Mathematical Sciences

The facilities in the Faculty of Mathematical Sciences include a hall, library, computer sites, and scientific associations, which are briefly introduced below.

A. Hall

The hall in the Faculty of Mathematical Sciences with an area of about 250 square meters is located on the upper floor of the Faculty with a capacity of 100 people. This hall has audio and video facilities, a computer, an internet and a control room with related equipment, and hosts most of the events held by the departments of the Faculty and scientific associations.

B. Library

The Library in the Faculty of Mathematical Sciences has been established since 1967 as the Library of Basic Sciences. The area of the library is about 400 square meters, and there is a small reading room outside it for users. This library has specialized books in the fields of statistics, actuarial science, mathematics, and computer science and is managed as an open system. The information resources in the library include written resources (books), electronic resources (databases, digital books, and dissertations), and reference books which can only be used inside the library. The books are arranged based on the Dewey Decimal Classification (DDC) method, and the lending section is

automated. The software system in the library is Ketabyar Pand. The library is equipped with a computer system, intranet network, and closed-circuit television (CCTV) and is a universal member of the Ghadir project, which includes students from other universities. There are 29,032 copies of Persian and Latin books and 2,600 copies of dissertations in the library. Dear instructors, students, university colleagues and members of the Ghadir project, faculty members, and new students are members of the library as soon as they register and can use the library services with their national code.

C. Seminar Room

The seminar room in the Faculty of Mathematical Sciences has a space with an approximate area of 50 square meters with a capacity of 40 people, which is equipped with computer equipment, video projectors, screens, and rail and fixed whiteboards, and is used for defenses, weekly or training seminars, and the like.
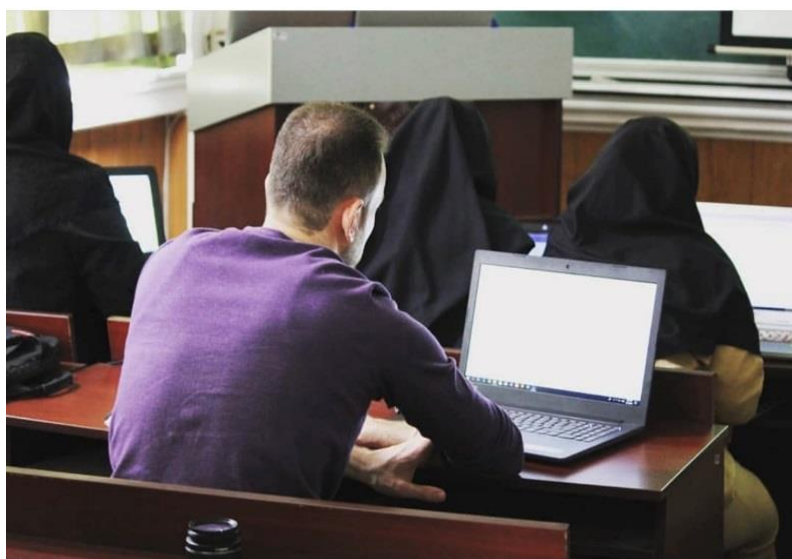
D. Computer Sites

There is a main and well-equipped computer site in the Faculty of Mathematical Sciences, which is shared between students of mathematics, statistics, actuarial science, and computer science. In addition, this site is used to hold software classes better.

The central site includes 50 computers, complete equipment for servers, switches, local area networks, internet systems, and printers with an area of about 250 square meters. In addition, there are three specialized sites including a statistics lab, a computer science postgraduate site, and a mathematics postgraduate site, each with an area of about 130 square meters and equipped with 20 computers, a printer and video projector, screens and whiteboards for postgraduate students to use.

Scientific Association

The Scientific Association is among the most important student scientific circles in the university which different entrants can join. Publishing journals such as Pardazeh, Shayand, and Infinity, holding software educational, educational aid, and extracurricular classes, and holding student ceremonies such as the entrants' ceremony at the beginning of each academic year and the end of the year celebration in March are among the most important activities of scientific associations.

Festival of Harkat

The Festival of Harkat, which is held every year in May by the Office of Cultural and Social Affairs, is regarded as an opportunity to showcase the achievements and report on the activities of scientific associations in various fields. It is worth noting that the Faculty of Mathematical Sciences has always been and will be active in the Festival of Harkat every year with three fields of statistics, mathematics, and computer science.

50th Year of the Establishment of Faculty of Mathematical Sciences

After half a century of activity in one of the oldest faculties of basic sciences in Iran, the Faculty Council decided to hold a glorious celebration for half a century of scientific and academic activity, student education, expansion of basic sciences, and fifty years of friendly memories so that once again an unprecedented group can be formed with the presence of students, esteemed instructors, and veterans of

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Workshops, Seminars and Conferences Held

So far, the Faculty of Mathematical Sciences has held many scientific and cultural conferences, the comprehensive list of which is as follows:

1. The 2nd National Student Statistics Conference in Iran, February 2020.

2. Fuzzy Mathematics Workshop and Its Application, May 2019.

3. The 1st Conference to Commemorate Women in Mathematics Day, April 2019.

4. The 6th Annual Seminar of the Iranian Logic Association, February 2019.

5. Dynamical Systems Workshop, January 2019.

6. The 7th Seminar on Harmonic Analysis and Applications, January 2019.

7. The 1st Conference of Actuarial Science in Iran, August 2018.

8. The 2nd Workshop on Category Theory and Its Applications, September 2018.

9. The 2nd Day of Combinatorics, May 2016.

10. The 2nd Workshop on Mathematical Aspects of Computer Sciences-Basics of Cryptography, 2015.

11. The Annual Conference on Mathematical Logic and Its Applications, December 2012.

12. The 6th Conference of Mathematical Blossoms, March 2013.

13. The 35th National Mathematical Competition, May 2011.

14. The 4th Competition of Mathematics Book Group Reading, December 2010.

15. The Workshop for Reviewing the Scientific Works of Walter Rodin, October 2010.

16. The 10th Fuzzy Systems Conference in Iran, July 2010.

17. The 1st Specialized Training Workshop on Structural Equations Modeling and LISREL Software Training, June 9-10, 2010.

18. Bioinformatics Workshop of Biogenetic Trees, Pardis/Zirab, May 2010.

19. Cryptography Workshop, May 2020.

20. Bayesian Analysis Workshop using Win Bugs19: 20, March 2010.

21. The 2nd Specialized Session on Mathematics Education, December 2009.

22. The 3rd Competition of Mathematics Group Book Reading, December 2009.

23. Workshop of Combinatorial Topology, October 2009.

24. The 1st day of Combinatorics, March 2009.

25. The 1st Workshop on Stochastic Differential Equations and Financial Mathematics, June 2005.

26. Seminar on Nonlinear Mathematical Analysis.

27. The 1st Seminar on Iranian Insurance Statistics.

28. Seminar of Financial Engineering and Risk Management, June 2005.

29. The 1st Workshop on the History of Mathematics, October 2004.

30. Conference on Heads of Departments and Deans of Faculties to Review Mathematical Undergraduate Programs.

31. Seminar on the Philosophy of Mathematics, October 2001.

32. Mathematical Science Workshop, June 2000.

33. Mathematical Blossoms Conference, five courses during 1996-2000.

34. The 12th Iranian Algebra Seminar, April 2000.

35. The 1st Student Seminar on Statistics in Iran, September 1999.

36. The 4th International Conference on Statistics in Iran, September 1998.

37. The 24th National Mathematical Conference, April 1993.

38. The Ceremony of Awarding the Honorary Doctorate Degree to the Late Dr. Ahmad Birashk, 1991.

39. Algeria Seminar, September 1990.

40. The 4th International Conference on Statistics in Iran, 1997.

Contact Faculty of Mathematical Sciences

[Faculty of Mathematical Sciences, Shahid Beheshti University, Daneshjoo Boulevard, Shahid Shahriari sq., Evin, Tehran](#)

☎ 021-29902900 - 22431650

https://t.me/mathsci_sbu

https://sbu.ac.ir/Cols/mathsci

Department of Statistics

History

The Department of Statistics with a history of more than 40 years was established for the first time in 1976 in the former National University as the Department of Applied Statistics, and since then, it accepted students in this field. In 1981, the Department of Statistics in Shahid Beheshti University started operating as a Universal Faculty of Informatics and Management with the Department of Computer and Management after merging some faculties and institutions of independent higher education in the National University of Iran (formerly) and changing the name of the Faculty to Shahid Beheshti University. In 1991, the Department of Statistics established the Faculty of Mathematical Sciences together with the Department of Mathematics which was able to continue its services in educating undergraduate and postgraduate students of Mathematical Statistics. Following the expansion of the dimensions of statistical science applications and community needs assessment in 1993, the Department of Statistics designed and established the postgraduate course of Insurance Statistics and the postgraduate course of Socio-Economic Statistics for the first time in the country and established the doctoral course of Statistics in the same year.

Currently, the Department of Statistics consists of 11 full-time and part-time faculty members and is active with the cooperation of two emeritus faculty members. In the Department of Statistics, there are 150 undergraduate students, 48 postgraduate students, and 22 doctoral students.

Goals of Undergraduate and Postgraduate Courses in Statistics

The undergraduate course in statistics aims to train professional specialists to conduct statistical surveys and analyzes, as well as conducting scientific research based on quantitatively inductive methods. These individuals can use statistical instruments in all organizations, public and private departments, and scientific research institutes to achieve the required inferences. In addition, the undergraduate course in statistics seeks to teach the necessary preparations for continuing education at higher levels. The postgraduate course in statistics aims to train forces that can contribute to the expansion of knowledge in the field of statistical sciences, can analyze more complex scientific issues quantitatively, assess the issues related to insurance statistics (actuarial science) and economic-social statistical models.

Successes Achieved by Statistics Student Teams

A. National Student Statistics Competitions

The Iranian Statistical Society holds competitions among undergraduate students of universities offering undergraduate statistics courses each year. Accordingly, the Shahid Beheshti University has always had a strong presence in these competitions by holding various courses and selecting the final team, which should include three members, and has achieved brilliant results so far:

- 3rd place in the 1st national student statistics competitions.

- 1st place in the 6th national student statistics competitions.

- 1st place in the 11th national student statistics competitions.

- 1st place in the 12th national student statistics competitions.

- 2nd place in the 13th national student statistics competitions.

- 2nd place in the 14th national student statistics competitions.

- 3rd place in the 19th national student statistics competitions.

- 2nd place in the 20th national student statistics competitions.

The student team in the 20th course of student statistics competition in the country, led by Dr. Shoaee (first person from the right)..

B. National Student Scientific Olympiad

The National Organization of Educational Testing organizes undergraduate student Olympiads in various disciplines with the help of the Ministry of Science. Accordingly, the statistics students in Shahid Beheshti University have succeeded in obtaining brilliant ranks by participating in the Student Scientific Olympiad, the best of which are the following:

- Winning 1st place (by Elham Tabrizi) in the 17th Student Scientific Olympiad.

- Winning 3rd place (by Ali Sharifi) in the 15th Student Scientific Olympiad.

- Winning 3rd place (by Reza Asadi) in the 18th Student Scientific Olympiad.

- Winning 3rd place (by Kiana Gholampour Yazdi) in the 22nd Student Scientific Olympiad.

Scientific Conferences and Seminars

Department of Statistics has always tried to hold scientific lectures and seminars with the presence of instructors and students of statistics in Shahid Beheshti University and other universities. It is worth noting that the Department of Statistics in Shahid Beheshti University hosted the 4th International Conference on Statistics of Iran in September 1998 and the 2nd National Conference of Student Statistics in February 2020.

Student Scientific Society

The sparks for the formation of the Student Scientific Society of Statistics in Shahid Beheshti University were hit by a number of students in 1998, in which the entrants in 1996, 1997, and 1998 played a significant role. The Statistics Student Scientific Society in Shahid Beheshti University started working and has continued its activities until today with the follow-up of these loved ones for many years since 2002. Holding specialized workshops, scientific meetings, roundtables, free thought forums, scientific visits, and the like are among the activities of the Student Scientific Society.

A. Successes and Achievements

Since the beginning of the Student Scientific Society, many cultural and educational activities have taken place and various places have been acquired in the different fields of student scientific activities, some of which are as follows:

- The best booth selected in the 7th Festival of Harkat.
- The best booth deserving praise in the 8th Festival of Harkat.
- The selected special section in the 9th Festival of Harkat.
- The Journal deserving praise in the 9th Festival of Harkat.
- The best scientific journal selected in the field of basic sciences in the 8th Festival of Publications.
- The scientific article deserving praise in the field of basic sciences in the 8th Festival of Publications.
- The best journal from the students' point of view in the 8th Festival of Publications.

- The scientific journal selected in the field of basic sciences in the 9th Festival of Publications.
- The scientific society deserving praise in the field of basic sciences in the 10th Festival of Harkat.
- The dynamical scientific society in the 10th Festival of Harkat.
- The scientific society selected in the field of basic sciences in the 12nd national Festival of Harkat.

Students with professors at the 40th anniversary of department of statistics.

B. Summary of the Activities

- Collecting and preparing a sample bank of exam questions and textbooks.
- Creating a board of scientific statistics society and regular updates.
- Creating a software bank.
- Creating a bank of MA thesis in statistics.
- Holding seminars and inviting instructors to give lectures.
- Taking action to get facilities to send students to the student statistics seminar in Mashhad, Isfahan, and Shiraz.
- Holding an annual introduction session for new entrants to the field.
- Holding an annual celebration of Statistics Day at the request of the esteemed management of Department of Statistics.
- Holding regular meetings to review the performance of members of the management council and the society.

C. Shayand Specialized Scientific Journal

Shayand specialized scientific journal was formed in 2017 under the supervision of the Scientific Society of Statistics and in Mr. Babakhani's editorship. This journal is published quarterly and its latest edition was published in the summer. Shayand journal has won 1st place in the category of basic science articles in the 9th festival of university student journals in 2020. At present, Ms. Safavipour is the managing editor and Mr. Yaghoubi is the editor-in-chief of Shayand journal.

shayand1396@gmail.com

https://telegram.me/shayandSBU

D. Members of the Scientific Society of Statistics

The members of the Scientific Society of Statistics in the Faculty of Mathematical Sciences in 2020-2021 are as follows:

Row	First and Last Name	Post
1	Mr. Mohammad Hossein Yaghoubi	Secretary of the Society
2	Mr. Arian Sabounchi	Deputy Secretary
3	Ms. Fatemeh Safavipour	Public Relation and Journal
4	Mr. Alireza Irani	Scientific
5	Mr. Mehdi Haghighati	Executive and Financial
6	Ms. Alizadeh, Mr. Sohanian, and Mr. Khosrowabadi	Alternate Members

To contact the Scientific Society of Statistics and be aware of its events, you can proceed through one of the following ways:

https://telegram.me/StatisticsSBU2

www.instagram.com/statistics.sbu

sbu.statistics@gmail.com

Cultural and Scientific Activities in Department of Statistics

A. The Second National Student Statistics Conference in Iran, February 2020

The 2nd National Student Statistics Conference in Iran was held at Shahid Beheshti University on February 19, 2020 by the Student Scientific Society of Statistics in the university in cooperation with the Union of Student Scientific Societies to acquaint researchers with new developments in various fields of statistics and establish connections between them.

B. Roundtable of Data Science

A roundtable was held in December 2019 to review the role of undergraduate statistics education in empowering students in the field of data science with the presence of Dr. Hossein Hassani, OPEC Data Project Manager and instructors in the Department of Statistics.

Roundtable of Data Science, December 2019.

C. Holding Annual Statistics and Planning Day

The Statistics and Planning Day ceremony is held every year by the Department of Statistics in the Faculty of Mathematical Sciences. In November 2019, this ceremony was held with the presence of Dr. Zahedian, CEO of the Farmers' Social Security Insurance Fund.

The Statistics and Planning Day Ceremony, November 2019.

D. Visiting Organizations Related to Statistics

Department of Statistics always provides a variety of visits for students to become more familiar with statistics in coordination with the organizations related to this field.

Visit Over-The-Counter (OTC), March 2018.

E. Entrepreneurship Meeting

The entrepreneurship meeting was held in October 2017 by all three scientific societies in the Faculty of Mathematical Sciences and with the presence of Mr. Naser Ghadir Kashani, the Chairman of the Board of Directors in Avval Sazan investment group.

Entrepreneurship Meeting, October 2017.

Training Workshops

To meet the needs of students for statistical software, the Scientific Society of Statistics holds many workshops each year including the following:

A. XePersian Workshop with the Presence of Ms. Fatemeh Akbartajari

B. Scientific and Specialized Course in Insurance Economics

- Introduction to insurance economics and its applications.

- Desirability, risk, and risk aversion.

- Demand for insurance.

- Market structures and organizational forms.

- Insurance rules.

C. Time Series Specialized Scientific Workshop

- Examples of time series, time series analysis objectives, models with trend and seasonal components and methods for estimating and eliminating them, backward difference operators, and various tests for randomness, normalization, and inversion.

- Static models, autocovariance function, autocorrelation, and partial autocorrelation.

- ARMA models, theorems of existence and uniqueness of the answer, and causal models.

D. Specialized Scientific Workshop of Hypothesis Testing with SPSS Software

- Familiarity with the hypothesis testing and types of errors in it, data entry and definition of a variable, performing compare means t-tests, performing analysis of variance (ANOVA), normality and nonparametric tests, as well as correlation hypothesis tests.

E. Scientific and Specialized Workshop on the Application of R in Data Science

- Introducing R software.

- An introduction to data science.

- Introducing different packages for data science.

- Visualization in R software.

F. Scientific and Specialized Workshop on Data Analysis in Excel

- Clear and preprocess data.

- Data visualization.

- General introduction of data analysis and steps to perform a data analysis project.

Labor Market in Statistics

The US Employment Statistics Agency has collected information and U.S. News & World Report has provided it in the form of a report. In this list, ten high-paying and low-stress jobs have been announced as follows:

1. Orthodontist

2. Statistician

3. Radiation therapist

4. Programmer

5. …

As can be observed, statistics is among the neediest and lucrative jobs in any society. During recent years, the need to use statisticians has attracted a lot of attention due to increase in the volume of data in various fields, especially statisticians who have high programming power in addition to strong statistical knowledge. Thus, statistics graduates with good programming skills are quickly recruited in the labor market.

Statistical Consulting Office

Department of Statistics in Shahid Beheshti University has set up an office for statistical consulting in order to empower postgraduate students of statistics to interact with researchers, provide consulting services and statistical data analysis, increase cooperation between statisticians and researchers in various fields, improve the quality of application of statistics in research, especially theses and dissertations of postgraduate courses. In this regard, it is possible for students of different educational levels, especially postgraduate students, to use their knowledge in solving community problems under the supervision of instructors in the Department.

Faculty Members of Department of Statistics

Dr. Mojtaba Ganjali

Professor
PhD: Applied Statistics, University of Lancaster, UK
Research Interests: Longitudinal Data Analysis Containing Missing Values, Statistical Inference, and Bayesian Analysis.

Undergraduate Teaching: Discrete Multivariate Analysis, Mathematical Statistics, and Nonparametric Methods.
Postgraduate Teaching: Statistical Inference, Advanced Statistical Inference, and Linear Models.

Dr. Ehsan Bahrami Samani

Associate Professor
PhD: Statistics, Shahid Beheshti University
Research Interests: Missing Data, Longitudinal Studies, Bayesian Statistics, Mixed Data, and Analysis of Count Data.

Undergraduate Teaching: Statistical Methods.
Postgraduate Teaching: Discrete-Continuous Multivariate Analysis.

Dr. Mohammad Reza Faghihi Habibabadi

Associate Professor
PhD: Statistics, University of Leeds, UK
Research Interests: Sampling, and Data Mining.

Undergraduate Teaching: Statistical Calculations, Statistical Quality Control, and Sampling.
Postgraduate Teaching: Data Mining, Sampling Theory, Statistical Quality Control, and Proteins.

Dr. Mohammad Reza Faridrohani

Associate Professor
PhD: Statistics, Shahid Beheshti University
Research Interests: Nonparametric Inference for Multivariate Data, Statistical Inference for Functional Data, and Random Fields.

Undergraduate Teaching: Mathematical Statistics, Nonparametric Methods, and Sampling Methods.
Postgraduate Teaching: Statistical Inference, and Reliability.

Dr. Seyed Mohammad Ebrahim Hosseini Nasab

Associate Professor
PhD: Statistics, National University of Australia
Research Interests: Functional Data Analysis.

Undergraduate Teaching: Regression 1 and 2, Time Series, and Statistical Methods.
Postgraduate Teaching: Probability Theory, Linear Models, Multivariate Analysis, and Statistical Techniques.

Dr. Mojtaba Khazaee

Associate Professor
PhD: Statistics, Shahid Beheshti University
Research Interests: Mixed Models, and Random Sets.

Undergraduate Teaching: Time Series, Design of Experiments, and Continuous Multivariate Analysis.
Postgraduate Teaching: Linear Models, Continuous Multivariate Analysis, and Time Series.

Dr. Hamideh Dariush Hamedani

Assistant Professor
PhD: Mathematics, Sharif University of Technology
Postdoc: Statistics from Ottawa, Canada and Financial Mathematics in British Columbia, Canada
Research Interests: Applying Statistical Methods to Probability, and Stochastic Processes in the Field of Financial Mathematics.
Undergraduate Teaching: Stochastic Processes, and Probability 1 and 2.
Postgraduate Teaching: Mathematical Analysis 2, Probability Theory, and Risk Theory.

Dr. Sakineh Dehghan

Assistant Professor
PhD: Statistics, Shahid Beheshti University
Research Interests: Multivariate Data Analysis, and Nonparametric Inference.

Undergraduate Teaching: Nonparametric Methods, Quality Control, and Sampling Methods 1 and 2.
Postgraduate Teaching: Sampling Methods.

Dr. Firoozeh Rivaz

Assistant Professor
PhD: Statistics, Tarbiat Modares University
Research Interests: Spatial and Spatial-Temporal Statistics, and Bayesian Modeling.

Undergraduate Teaching: Probability 2, Mathematical Statistics, Bayesian Statistics, and Regression.
Postgraduate Teaching: Statistical Inference, Advanced Statistical Inference, and Bayesian Analysis.

Dr. Shahram Mansouri

Assistant Professor
PhD: Statistics, Tarbiat Modares University
Research Interests: Probability.

Undergraduate Teaching: Engineering Statistics and Probabilities, General Mathematics 2, and Differential Equations.
Postgraduate Teaching: Stochastic Processes 2, and Engineering Mathematics for Civil Engineering.

Dr. Ali Reza Taheriyoun

Assistant Professor
PhD: Statistics, Shahid Beheshti University
Research Interests: Inference in Stochastic Processes.

Undergraduate Teaching: Mathematical Statistics, Continuous Multivariate Methods, and Preliminary Statistics and Probability.
Postgraduate Teaching: Probability 2, Financial Time Series, and Stochastic Processes.

Active Faculty Emeritus in Department of Statistics

Dr. Mohammad Ghasem Vahidi Asl

Professor
PhD: Mathematics, University of Oregon, USA
Research Interests: Probability Theory, Graphs, and Decision Trees.

Undergraduate Teaching: Stochastic Processes, History of Mathematics, and History of Statistics and Probability.
Postgraduate Teaching: Probability, Probability Theory, and Risk Theory.

Dr. Ahmad Khodadadi

Assistant Professor
PhD: Statistics, University of Colorado, USA
Research Interests: Time Series, Linear Models, Reliability, and Design of Experiments.

Undergraduate Teaching: Reliability, Design of Experiments, Survival Analysis, and Statistical Quality Control.
Postgraduate Teaching: Financial Time Series, Linear Models, and Advanced Reliability.

In addition, the Department of Statistics in Shahid Beheshti University is blessed with the thought and great efforts of outstanding instructors, who have honestly spent the best years of their lives in order to nurture the students, promote the Department, and achieve the goals of the University. These masters who have retired from this Department and the existence of each of whom is a source of pride and boasting are as follows: Late Dr. Ali Amidi, late Dr. Mohammad Reza Meshkani, Dr. Mohammad Zokaei, Dr. Jalal Davoodzadeh, Dr. Abdul Rahim Shahlaei, Dr. Massoud Alborz, Dr. Hojjatullah Seifollahi Nanne Karan, Mr. Ali Agha Azadeh, Mr. Keramatollah Parvin Jahromi, Mr. Nasser Forouzeh, Mr. Taghi Sarfehjoo, Mr. Rahmatollah Khajoui, and late Mr. Ahmad Shahverdi. Further, Dr. Siamak Nourbaloochi, Dr. Khalil Shafiei, Mr. Mahmoud Daneshmand, Mr. Morteza Ibn Shahr Ashub, Mr. Ali Akbar Montazer Haghighi, and Mr. Behzad Jafari Rouhani spent a period of their productive life in this Department, whose memory is cherished.

Department of Actuarial Science

History

Actuarial Science is the science of applying statistical, mathematical, financial, investment, and risk management techniques to design, evaluate, and calculate insurance and financial products. Simply put, Actuarial Science is the science of solving real-world problems in which there is an element of uncertainty. This science uses the techniques and methods related to statistics, probability, and mathematics to measure the risk of economic investments and predict future events of financial institutions and insurance companies. In a general view, Actuarial Science can be divided into three main sections and subdisciplines including (1) life insurance and pension funds, (2) non-life insurance, and (3) stock exchanges and financial markets.

Due to the widespread use of the Actuarial Science and the needs of society and industry, this field was first formed in the Department of Statistics in Shahid Beheshti University in 1993 with the title of Insurance Statistics by efforts of late Dr. Mohammad Reza Meshkani, whose memory is cherished, and Dr. Siamak Nourbaloochi. The first group of postgraduate students in the field began their studies in the semester of October 1993 and began their work independently in Shahid Beheshti University in October 2016. With the qualitative growth of this field during two decades and with the intention of training expert forces to analyze and study more complex scientific issues and models, the doctoral course in Actuarial Science was established by defining the course titles and necessary follow-ups in 2017 and the first group of doctoral students in this field were admitted since October 2017-18. At present, the Department of Actuarial Science is accepting students in postgraduate and doctoral levels in the different subdisciplines of this field. Department of Actuarial Science consists of 4 full-time faculty members and is active with the cooperation of two emeritus faculty members. Currently, 39 MA students and 9 PhD students are studying in the Department.

Goals of Postgraduate Courses (MA and PhD) of Actuarial Science

Establishing postgraduate courses is considered as a necessity due to the need of the developing society of Iran to use new knowledge and technologies to meet the needs of the industrial sector. Graduates of postgraduate courses in the field of Actuarial Science at Shahid Beheshti University will be able to meet the technical needs of the insurance industry, banking, stock exchanges, and pension funds of Iran. Department of Actuarial Science has always tried to improve the quality and quantity of Actuarial Science in Iran by training researchers who can conduct basic research at the level of knowledge frontiers. Therefore, the main goals of the Department of Actuarial Science are as follows:

- Training professional researchers in the field of Actuarial Science.

- Providing specialized needs of the insurance and financial companies (such as banks and stock exchanges) and pension funds.

- Developing Actuarial Science as an interdisciplinary field.

Activities in Department of Actuarial Science

A. Risk Lab

Department of Actuarial Science in Shahid Beheshti University established the "Universal Risk Lab of the Shahid Beheshti University" in February 2020 with the purpose of establishing a scientific and applied connection between the university and industry, which will be operational in the coming months. With the purpose of identifying and investigating the problems of different units in the field of risk and using scientific and practical instruments and new technologies, this lab measures risk and models and designs different scenarios for the risk assessment and management process and tries to make the most of its capacity to advance and develop the risk management assessment cycle in various areas of the industry and reduce risk-related costs as much as possible. In a more comprehensive sense, the risk-related projects are defined and implemented in this lab based on the current needs of society and industry.

B. Holding Student Scientific Seminars and Conferences

Department of Actuarial Science has always tried to hold numerous seminars and scientific conferences with the presence of faculty members and other

universities and experts in the insurance industry. The first International Conference on Actuarial Science in Iran was organized in August 2018 by the Department of Actuarial Science in cooperation with the Scientific Actuarial Society of Iran and with the presence of Mr. Khosroshahi, deputy director of the Central Insurance, Professor Chris De Kane as a representative of the international community, the former IAA President, British Association of Actuaries, and professor Dimitrios Constantinides, the head of the British government actuarial department.

First International Conference on Actuarial Science, August 2018.

C. Holding Specialized Lectures

So far, the Department of Actuarial Science has held many specialized lectures with the presence of faculty members in Shahid Beheshti University and other universities and experts in the insurance industry in the country and abroad:

- Actuaries and the need of insurance industry.

- Specialized lecture by Pierre Plamondon with the title of "Approaches to pension reform and the role of the actuary".

- Specialized lecture by Andre Picard with the title of "The right to social security in international law and the impact of the 4th industrial revolution".

D. Training Workshops

In addition to holding scientific conferences and seminars, the Department of Actuarial Science has planned to hold various training workshops. Among the topics presented in these workshops, the following workshops can be briefly mentioned:

- Programming by R software with actuarial applications.

- Statistical modeling workshop on insurance data and fair valuation of insurance liabilities.

- Specialized workshop on penalty reward systems.

- Foundations of life insurance actuarial calculations to cover the risk of death according to life insurance regulations.

E. Actuarial Society of Iran
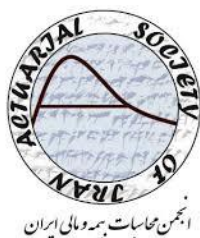
It is noteworthy that Dr. Mohammad Ghasem Vahidi Asl, Dr. Abdul Rahim Shahlaei, Dr. Mohammad Zokaei, Dr. Amir Teymour Payendeh Najafabadi, Dr. Amin Hassanzadeh, and Dr. Shirin Shoaee as the instructors in the Department have played a significant role in all of the courses.

During the late spring of 2018, the Actuarial Society of Iran was accepted as an associate member of the International Actuarial Association (IAA). In this regard, the Actuarial Society of Iran set up three specialized committees of life, non-life, and health insurances in order to enter the dynamic world of actuaries, creates constructive and effective relationships with other associations, optimize the process of providing insurance services in the Iranian insurance industry, and strengthen the level of professional activities.

The faculty members in the Department of Actuarial Science in the Faculty of Mathematical Sciences are responsible for supervising the above-mentioned specialized committees. The faculty members and MA and PhD students of Actuarial Science actively participate in the monthly meetings of the aforementioned committees, which are held mainly in the Department of Actuarial Science in the Faculty of Mathematical Sciences. The above-mentioned committees hold scientific symposiums, review central insurance regulations, cooperate with

IAA committees, invite experts in the field of university and insurance industry, investigate the problems and difficulties of the insurance industry, and provide the required solutions.

To contact the Actuarial Society of Iran and be aware of its events, you can proceed through one of the following ways:

www.irsoa.ir   actuary@gmail.com

Life Insurance Committee.

Non-Life Insurance Committee.

Health Committee.

Labor Market of Actuarial Science

The Actuarial profession is regarded as an interesting, challenging, and practical career. Actuaries play a key role in the corporate management team due to their serious influence on major decisions in various fields. In the current fast-paced world, there are plenty of opportunities to develop lifelong personal and professional knowledge in the Actuarial profession, given the new risks which should be dealt with by creative ways. Actuaries are considered as the mainstay of financial analysis in society, by the help of whom the daily life goes on without worrying about what the future holds.

For these reasons, the Actuarial profession has always been among the top jobs, according to the American Journal of Job Ranking (Job Rated Almanac). Currently, Actuarial Science is taught as a subject at MA and PhD level in Shahid Beheshti University and a lot of experts are trained in this field. Most of the graduates in this fieldwork as professional actuaries or researchers in insurance companies, banks, stock exchanges, pension funds, universities, and educational centers.

Faculty Members of Actuarial Science

Dr. Amir Teymour Payandeh Najafabadi

Professor
PhD: Statistics, University of New Brunswick, Canada
Research Interests: Non-life Insurance, Stochastic Modeling, and Health Insurance.

Undergraduate Teaching: Stochastic Modeling, Statistical Methods, and Probability.
Postgraduate Teaching: Risk Theory, Health Insurance Mathematics, and Deposits for Pending Claims.

Dr. Amin Hassanzadeh

Assistant Professor
PhD: Statistics, University of Montreal, Canada
Research Interests: Life Insurance Mathematics, Pension Fund Mathematics, and Credibility Theory.

Undergraduate Teaching: Insurance Basics, Specialized Language, and Stochastic Processes.
Postgraduate Teaching: Life Insurance, and Pension Fund Mathematics.

Dr. Saghar Heidari

Assistant Professor
PhD: Applied Mathematics, Shahid Beheshti University
Postdoc: Montpellier, France
Research Interests: Financial Mathematics and Calculations, and Stochastic Modeling.

Undergraduate Teaching: Financial Mathematics, Stochastic Modeling, and Statistics and Probability.
Postgraduate Teaching: Stochastic Calculus, Probability Theory, and Stochastic Modeling in Insurance.

Dr. Shirin Shoaee

Assistant Professor
PhD: Statistics, Amirkabir University of Technology
Postdoc: Amirkabir University of Technology
Research Interests: Life Insurance, Multistate Analysis, Lifetime Data Analysis, and Mortality Models.

Undergraduate Teaching: Survival Analysis, Reliability, Sampling Methods, and Insurance and Financial Basics, Probability.
Postgraduate Teaching: Advanced Life Insurance Mathematics, Multistate Models in Insurance, Health Insurance Mathematics, Risk Theory, and Mortality Models.

Active Faculty Emeritus in Department of Actuarial Science

Dr. Mohammad Ghasem Vahidi Asl

Professor
PhD: Mathematics, University of Oregon, USA
Research Interests: Probability Theory, Graphs, and Decision Trees.

Undergraduate Teaching: Stochastic Processes, History of Mathematics, and History of Statistics and Probability.
Postgraduate Teaching: Probability, Probability Theory, and Risk Theory.

Dr. Mohammad Zokaei

Associate Professor
PhD: Applied Statistics, Madison University, Wisconsin, USA
Research Interests: Modeling of Technical Reserves, Probability and Severity of Bankruptcy, and Reinsurance and its Optimization.

Undergraduate Teaching: Sampling Methods, Regression, and Mathematical Statistics.
Postgraduate Teaching: Loss Models, Advanced Risk Theory, and Extreme Value Theory.
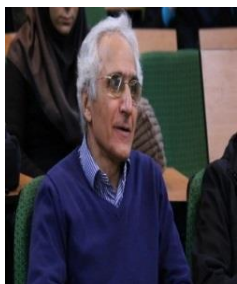
Dr. Abdul Rahim Shahlaei

Assistant Professor
PhD: Statistics, University of Southampton, UK
Research Interests: Financial Mathematics, and Life Insurance Mathematics.

Undergraduate Teaching: Design and Experiment, Regression, and Nonparametric Methods.
Postgraduate Teaching: Financial Mathematics, and Life Insurance Mathematics 1 and 2.

Department of Mathematics

History

Department of Mathematics started its activity with the arrival of students in the Faculty of Science in the academic year 1962-63. Department of Mathematics, which trained BA students in this field before the Cultural Revolution, accepted mathematics students in the teaching branch after the revolution. After 2 years, a lot of students were trained and educated in mathematics with six subdisciplines including teaching, application in the computer, application in physics, research in operations, application in statistics, and pure mathematics. Finally, one branch called Applied Mathematics was created after merging the applied branches, and the aforementioned subdisciplines were changed to three ones including teaching, pure, and applied.

Department of Mathematics was divided into two parts including pure mathematics and applied mathematics after adding a new branch of "data science" in the postgraduate course in 2015. Currently, the Department of Mathematics includes 12 faculty members, in which 73 BA students, 77 MA students, and 20 PhD students are studying. It is worth noting that the Department of Mathematics has students in postgraduate courses in mathematics in branches of "Analysis, Universal Algebra, Commutative Algebra, Group Theory, Geometry (Topology), Differential Equations, Dynamical Systems, and Logic" and accepts new students in these branches.

Faculty Members of Department of Mathematics

Dr. Rajab Ali Borzooei

Professor
PhD: Mathematics, Shahid Bahonar University
Research Interests: Logical Algebras, and Fuzzy Mathematics.

Undergraduate Teaching: Foundations of Mathematical Sciences, Foundations of Algebra, and Calculus.
Postgraduate Teaching: Logic-Algebraic Structures, Group Theory, and Fuzzy Logic.

Dr. Mojgan Mahmoudi

Professor
PhD: Mathematics, Shahid Beheshti University
Research Interests: Universal Algebra in Category, and Topos.

Undergraduate Teaching: Foundations of Mathematics, Foundations of Algebra, Foundations of Matrices, and Linear Algebra.
Postgraduate Teaching: Advanced Algebra, Universal Algebra, and Category Theory.

Dr. Alireza Salemkar Langroudi

Professor
PhD: Mathematics, Ferdowsi University of Mashhad
Research Interests: Group Theory, and Lie Algebra.

Undergraduate Teaching: Calculus, Differential Equations, and Algebra.
Postgraduate Teaching: Advanced Algebra, Group Theory, and Lie Algebra.

Dr. Massoud Tousi Ardekani

Professor
PhD: Mathematics, University of Tehran
Research Interests: Commutative Algebra, and Homological Algebra.

Undergraduate Teaching: Foundations of Mathematics, Foundations of Algebra, Foundations of Matrices and Linear Algebra, and Elementary Algebraic Geometry.
Postgraduate Teaching: Homological Algebra, Commutative Algebra, Advanced Algebra, and Cohomology of Groups.

Dr. Abbas Fakhari Ghouchani

Associate Professor
PhD: Mathematics, Ferdowsi University of Mashhad
Research Interests: Dynamical Systems.

Undergraduate Teaching: Differential Geometry, Topology, and Analysis.
Postgraduate Teaching: Geometry of Manifolds, Dynamical Systems, and Ergodic Theory.

Dr. Morteza Moniri

Associate Professor
PhD: Mathematics, Institute for Research in Fundamental Sciences
Postdoc: Institute for Research in Fundamental Sciences
Research Interests: Mathematical Logic, Model Logic, Intuitionistic Logic, First-Order Arithmetic, and Philosophy of Mathematics.

Undergraduate Teaching: Foundation of Mathematical Sciences, Foundations of Logic and Group Theory, and Philosophy of Mathematics.
Postgraduate Teaching: Mathematical Logic, Non-Classical Logics, and Computability Theory.

Dr. Samad Haj Jabbari

Assistant Professor
PhD: Mathematics, Tarbiat Modares University
Research Interests: Commutative Algebra, Homological Algebra.

Undergraduate Teaching: Foundations of Mathematics, Foundations of Algebra, Calculus, Galois Theory, and Algebra.
Postgraduate Teaching: Advanced Algebra, Commutative Algebra, and Homological Algebra.

Dr. Khosrow Monsef Shokri

Assistant Professor
PhD: Mathematics, University of Bonn, Germany
Research Interests: Number Theory, Modular Forms, Algebraic Curves, and Hypergeometric Functions.

Undergraduate Teaching: Calculus, Foundations of Geometry, Number Theory, and Mathematical Analysis.
Postgraduate Teaching: Elliptic Curves, Algebraic Topology, Complex Analysis, and Modular Forms.

Dr. Mehdi Pour Barat

Assistant Professor
PhD: Mathematics, Shahid Beheshti University
Research Interests: Dynamical Systems.

Undergraduate Teaching: Foundations of Geometry, Differential Geometry, Fractal Geometry, and Mathematical Analysis.
Postgraduate Teaching: Geometry of Manifolds 1 and 2, Dynamical Systems, and Algebraic Topology.

Dr. Pandora Raja

Assistant Professor
PhD: Mathematics, Amirkabir University of Technology
Research Interests: Functional Analysis, Linear Algebra, and Non-Linear Analysis.

Undergraduate Teaching: Mathematical Analysis, Measure Theory, and Applications.
Postgraduate Teaching: Real Analysis, Functional Analysis, and Matrix Analysis.

Dr. Negur Shahni Karamzadeh

Assistant Professor
PhD: Mathematics, University of Tehran
Research Interests: Theory of Finite Groups.

Undergraduate Teaching: Foundations of Mathematics, Foundations of Matrices and Linear Algebra, and Foundations of Algebra.
Postgraduate Teaching: Advanced Algebra, Finite Groups, and Character Theory of Finite Groups.

Dr. Reza Taleb

Assistant Professor
PhD: Mathematics, McMaster University, Canada
Research Interests: Number Theory, Iwasawa Theory, K Theory, and Arithmetic Geometry.

Undergraduate Teaching: Calculus, Elementary Algebraic Geometry, Complex Functions, and Galois Theory.
Postgraduate Teaching: Algebraic Number Theory, Elliptic Curves, and Algebraic Topology.

Active Faculty Emeritus in Department of Mathematics

Dr. Mohammad Mehdi Ebrahimi

Professor
PhD: Mathematics, McMaster University, Canada
Research Interests: Universal Algebra in Category, and Topos.

Undergraduate Teaching: Foundations of Mathematics, Foundations of Algebra, Foundations of Matrices, and Linear Algebra.
Postgraduate Teaching: Advanced Algebra, Universal Algebra, and Category Theory.

Department of Applied Mathematics

History

Department of Mathematics is among the oldest departments in the university, which has been operating since 1962-63. Department of Mathematics, which trained BA students in this field before the Cultural Revolution, accepted mathematics students in the teaching subdiscipline after the revolution. After two years, this field changes to six subdisciplines including teaching, application in the computer, application in physics, research in operations, application in statistics, and pure mathematics. Finally, one branch called Applied Mathematics was created after merging the applied branches, and the aforementioned subdisciplines were changed to three ones including teaching, pure, and applied.

 Department of Mathematics in the Faculty of Mathematical Sciences in Shahid Beheshti University was divided into two departments including mathematics and applied mathematics in 2016 with the purpose of interacting and communicating more effectively with industry and society, focusing on the development of postgraduate education subdisciplines and establishing research labs. It is noteworthy that the first group of data science students in Iran was accepted into this Department in 2018. In the Department of Applied Mathematics, three labs are operating including (1) Optimization and Simulation Lab, (2) Modeling and Scientific Computing Research Lab, and (3) Machine Learning and Graph Mining Lab.

Department of Applied Mathematics has students in postgraduate courses in applied mathematics in subdisciplines of "Numerical analysis, differential equations and dynamical systems, optimization, Combinatorics, data science, and mathematics education" and accepts new students in these subdisciplines.

Department of Applied Mathematics now includes 10 full-time faculty members. In addition, 72 BA students, 80 MA students, and 27 PhD students are studying in this Department.

Faculty Members of Department of Applied Mathematics

Dr. Zahra Gooya

Professor
PhD: Mathematics Education, University of British Columbia, Canada
Research Interests: Mathematics Curriculum, and Mathematics Teachers' Education.

Undergraduate Teaching: Mathematics Education 1 and 2, and History and Philosophy of Mathematics.
Postgraduate Teaching: Foundations of Educational Research Methods and Philosophical Origins, and Mathematical Thinking.

Dr. Masoud Hajarian

Professor
PhD: Applied Mathematics, Amirkabir University of Technology
Research Interests: Linear Algebra, Numerical Multilinear Algebra, and Numerical Optimization.

Undergraduate Teaching: Numerical Multilinear Algebra, Linear Programming and Network, and Numerical Analysis.
Postgraduate Teaching: Advanced Numerical Multilinear Algebra, and Numerical Methods in Linear Algebra.

Dr. Hossein Hajiabolhassan

Professor
PhD: Mathematics, Sharif University of Technology
Postdoc: Institute for Research in Fundamental Sciences, National Sun Yat-sen University of Taiwan and Technical University of Denmark
Research Interests: Data Science, and Combinatorics.

Undergraduate Teaching: Fundamental of Computer Programming, Cryptography, and Discrete Mathematics.
Postgraduate Teaching: Deep Learning, Machine Learning, Algorithms for Data Science.

Dr. Sohrab Ali Yousefi

Professor
PhD: Applied Mathematics, Amirkabir University of Technology
Research Interests: Wavelets, Integral Equations, Inverse Problems, and Fractional Equations.

Undergraduate Teaching: Foundations of Numerical Analysis, Numerical Analysis, and Differential Equations.
Postgraduate Teaching: Advanced Numerical Analysis, Integral Equations, and Calculus of Variations.

Dr. Mohammad Khodabakhshi

Associate Professor
PhD: Applied Mathematics, Kharazmi University
Research Interests: Data Envelopment, and Operations Research.

Undergraduate Teaching: Linear and Non-Linear Optimization, and Fundamentals of Numerical Analysis.
Postgraduate Teaching: Data Envelopment Analysis and Advanced Linear and Non-Linear Optimization, Advanced Data Envelopment Analysis, and Special Topics in Optimization.

Dr. Bijan Ahmadi Kakavandi

Assistant Professor
PhD: Mathematics, Tarbiat Modares University
Research Interests: Optimization, Geometric Analysis, and Ergodic Theory.

Undergraduate Teaching: General Mathematics, Mathematical Analysis, and Complex Functions.
Postgraduate Teaching: Optimization in Data Science, Functional Analysis, and Linear Semigroup Theory.

Dr. Hossein Azari Azghandi

Assistant Professor
PhD: Applied Mathematics, University of Science and Technology
Postdoc: Alberta, Canada, Institute for Research in Fundamental Sciences, and Research Institute of Petroleum Industry
Research Interests: Inverse Problems, Oil Recovery Problems, Financial Mathematics, and Biomathematics.

Undergraduate Teaching: Numerical Solution of Differential Equations, Numerical Analysis, and Optimization.
Postgraduate Teaching: Theory of Finite Element Method, and Numerical Solution of Partial Differential Equations.

Dr. Moharram N. Iradmusa

Assistant Professor
PhD: Mathematics, Shahid Beheshti University
Postdoc: Sharif University of Technology
Research Interests: Combinatorics, and Graph Theory.

Undergraduate Teaching: Foundations of Combinatorics, and Graph Theory with Applications.
Postgraduate Teaching: Advanced Graph Theory, Algebraic Graph Theory, and Combinatorial Analysis.

Dr. Mohammad Sadegh Shahrokhi Dehkordi

Assistant Professor
PhD: Mathematics, University of Sussex, UK
Research interests: Calculus of Variations, and Theory of Nonlinear Partial Differential Equations.

Undergraduate teaching: Specialized Language, Measure Theory, and Mathematical Writing.
Postgraduate teaching: Distribution Theory, Calculus of Variations, and Applied Functional Analysis.

Active Faculty Emeritus in Department of Applied Mathematics

Dr. Farhad Khellat

Assistant Professor
PhD: Applied Mathematics, Shahid Beheshti University
Research Interests: Dynamic Systems.

Undergraduate Teaching: Ordinary Differential Equations, Complex Functions, and General Mathematics 1.
Postgraduate Teaching: Ordinary Differential Equations, and Discrete Dynamic Systems.

In addition, the Department of Mathematics and Applied Mathematics in Shahid Beheshti University is blessed with the thought and great efforts of outstanding instructors, who have honestly spent the best years of their lives in order to nurture the students, promote the Department, and achieve the goals of the University. These masters who have retired from this Department and the existence of each of whom is a source of pride and boasting are as follows: Mr. Fakhreddin Ayatollah Zadeh Shirazi, late Mr. Mohammad Mehdi Ayatollah Zadeh Shirazi, late Dr. Mohammad Hossein Afghahi, Dr. Mohammad Mehdi Ebrahimi, Dr. Ebrahim Behnam Dehkordi, Dr. Seyed Alireza Hosseiniun, Dr. Ahmad Shahvarani, Ms. Parichehr Ghazi (Mashar), and Dr. Vida Milani.

Further, it is necessary to cherish the memory of Dr. Rahman Azari, Dr. Amir Hossein Asghari, Dr. Massoud Amini, Mr. Mahmoud Ehsani, Dr. Jams Beth Davood, Dr. Jan Beth Davood, Dr. Mehdi Behzad, Dr. Javad Tavakoli, Dr. Reza Jafari, Dr. Mohammad Jeloudari Mamghani, Mr. Mohammad Gholi Javanshir Khoei, late Dr. Haidar Daneshmand, Dr. Mani Rezaei, Dr. Faramarz Famil Samavati, Dr. Massoud Seyedin, Dr. Saeed Faryabi, Ms. Lida Farkhoo, Ms. Maryam Kompani, Dr. Ali Lotfi, Dr. Seyed Ebadullah Mahmoudian, Dr. Gholam Hossein Mosaheb, Dr. Haghdad Memari, late Dr. Ahmad Mirbagheri, late Dr. Dariush Naser, Dr. Mona Nabiei, and Dr. Bahman Honari who spent a period of their productive life in this department.

Honors of Department of Mathematics and Department of Applied Mathematics

- Selecting Dr. Sohrab Ali Yousefi as one percent of the world most cited scientists during 2020-2021.

- Selecting Dr. Masoud Hajarian as one percent of the world most cited scientists during 2015-2020.

- Selecting Dr. Rajab Ali Borzooei as a prominent and pioneer instructor of fuzzy systems theory by the Iranian Fuzzy Systems Society in 2020.

- Obtaining the research scholarship of "High-End Foreign Experts Program" by Dr. Hossein Hajiabolhassan from the Government of China during 2020-2022.

- Obtaining the research scholarship of the National Natural Science Foundation of China by Dr. Rajab Ali Borzooei, along with Professor Shin and Professor June during 2019-2021.

- Attending in the Mathematics Education and Democratization Roundtable at the International Congress of Mathematicians in Brazil by Dr. Zahra Gooya in 2018.

- Selecting Dr. Samad Haj Jabbari, assistant professor of Department of Mathematics, as the top student deputy of the country in 2018.

- Publishing an appendix of the book "Gauss-Manin Connection in Disguise Appendix C" in International Press Publications by Dr. Khosrow Monsef Shokri in collaboration with Dr. Hossein Movasati in 2017.

- Obtaining scholarship of researcher affiliated from ICTP Italy by Dr. Abbas Fakhari Ghouchani during 2015-2020.

- Publishing chapter 13 of Dr. Zahra Gooya's book with the participation of colleagues by Springer Publications in 2013. (The International Handbook of Mathematics Education, Allan Leslie White, Barbara Jaworski, Cecilia Agudelo-Valderrama and Zahra Gooya).

- Selecting Dr. Rajab Ali Borzooei as the top educational deputy in the country by the Ministry of Science in 2012.

- Attending the Satellite International Mathematics Conference in India by Dr. Hossein Hajiabolhassan as a guest lecturer in 2010. (International Conference on Recent Trends in Graph Theory and Combinatorics (A Satellite Conference of ICM)).

- Obtaining the guest researcher scholarship from ICTP Italy by Dr. Abbas Fakhari Ghouchani during 2008-2015.

- Obtaining the research scholarship by Dr. Hossein Hajiabolhassan to participate in a course entitled "Graphs, Supergraphs, and Calculations" from Mittag-Leffler Institute of the Royal Swedish Academy of Sciences in 2014.

- Obtaining Erasmus Mendus Scholarship for a month stay at the University of Warsaw by Dr. Mojgan Mahmoudi in 2013.

- Attending at Professor Benashevsky Commemoration Conference at the University of Cape Town, South Africa by Dr. Mojgan Mahmoudi as a guest lecturer in 2011.

- Selecting Dr. Rajab Ali Borzooei as the top director of Iranian educational and curriculum planning in 2009.

- Attending at the "Logical Models of Reasoning and Computation" conference by Dr. Moniri as the guest lecturer of the Steklov Mathematical Institute in Russia, Moscow in 2008.

- Selecting Dr. Rajab Ali Borzooei as the top director of educational and curriculum planning in Iran by Iranian Curriculum Studies Association (ICSA) in 2009.

- Selecting Dr. Ebrahimi as the best instructor in the country in 2009.

- Obtaining guest researcher scholarship from the Max Planck Research Institute by Dr. Bijan Ahmadi Kakavandi in 2008.

- Selecting Dr. Samad Haj Jabbari as the best director of the university in the field of student vice chancellor in 2008.

- Selecting Dr. Mojgan Mahmoudi as the best director of the university in the field of student vice chancellor in 2008.

- Establishing a series of book group reading competitions (Crows Competition) by Department of Mathematics in 2007.

- Establishing the pole of algebraic and logical structures in discrete mathematics and their applications in Department of Mathematics since 2005.

- Selecting Dr. Rajab Ali Borzooei as the candidate for the top researcher of the Ministry of Science and receiving a plaque of appreciation and a memorial from the Vice President for Research of Minister of Science in 2005.

- Selecting Dr. Mehdi Behzad as the everlasting figure of Iran in 2003.

- Selecting Dr. Mohammad Mehdi Ebrahimi and Dr. Mojgan Mahmoudi as the winner of the Dr. Abbas Riazi Kermai Award by the Iranian Mathematical Society in 2002.

- Attending at the International Conference in Russia (Moscow) by Dr. Zahra Gooya as the guest lecturer in 2002. (International Education and Resource Network (IEARN)).

Workshops, Seminars and Scientific Conferences Held by Department of Mathematics and Applied Mathematics

- The 3rd Iranian Mathematical Conference, April 1972.
- The 6th Iranian Algebra Seminar, September 1990.
- The 24th Iranian Mathematical Conference, April 1993.
- Analysis Seminar.
- The 12th Iranian Algebra Seminar, April 2000.
- Conference on Mathematical Blossoms (five periods during 1996-2000).
- Workshop of Mathematical Sciences, June 2000.
- Seminar of Philosophy of Mathematics, October 2001.
- Conference on the Heads of Departments and the Deans of Faculties to Review Undergraduate Mathematics Programs.
- The Ceremony of Awarding the Honorary Doctorate Degree to the Late Dr. Ahmad Birashk.
- The 1st Workshop on the History of Mathematics, October 2004.
- Nonlinear Analysis Seminar.
- The Workshop of Topological Combinatorics, October 2009.
- The Workshop for Reviewing the Scientific Works of Walter Rodin, October 2010.
- The 10th Iranian Fuzzy Systems Conference, July 2010.
- The 35th Mathematics Student Competition in the Country, May 2011.
- The 6th Conference on Mathematical Blossoms, March 2013.
- The Annual Conference on Mathematical Logic and its Applications, December 2013.
- The 2nd Workshop on Category Theory and Its Applications, May 2017.
- The 7th Seminar on Harmonic Analysis and Applications, January 2018.
- The Workshop of Dynamical Systems, January 2018.
- The 6th Annual Seminar of the Iranian Logic Association, February 2019.
- The 1st Conference Commemorating Women in Mathematics Day, April 2019.
- The Workshop of Fuzzy Mathematics and Its Applications, 2019.

Mathematics Competitions

At the first general assembly of the Iranian Mathematical Society, on March 3, 1972 in Shahid Beheshti University (former National University), the need for holding a mathematics competition among the students of Iranian universities was confirmed by the suggestion of Dr. Mehdi Behzad (the everlasting mathematical figure of the country and the faculty member of Department of Mathematics in Shahid Beheshti University), and the committee became responsible for codifying a regulation and providing an introduction to hold mathematics competitions at the level of mathematics undergraduate courses in the country considering all of the aspects. These competitions aimed to discover mathematical talents and encourage them in this regard and create healthy scientific competition among the participants, especially among higher education institutions. In this regard, the first student mathematics competition in the country was held at the University of Tehran in 1973. According to the current regulations, in these competitions, each university or institute of higher education can send a team with a maximum of five BA students, along with a supervisor and an assistant supervisor to the competition. It is noteworthy that this competition is held in two three-hour classes and the students answer 12 questions totally.

It is worth noting that the student competitions of the Iranian Mathematical Society are considered the most important mathematical competitions held in the country. After several courses of holding, the Iranian Mathematical Society provided permission for the first team to participate in the World Mathematical Competition in addition to awarding medals to the winners of this competition and other facilities such as awarding scholarships and the like. Since the winners of these student competitions have brought significant global brilliance to the Iranian mathematical community over the past forty years, both in the field of science production and in the field of education, the Mathematical Society decided in 2000, at the same time as The World Year of Mathematics, to allow the top three teams to participate in world competitions instead of sending a team. Of course, the Society has provided the possibility of participation of the top five teams in world competitions instead of sending the first three teams since 2008 due to the welcome of universities.

Like many prestigious universities in the country, Shahid Beheshti University has had an active and continuous presence in student competitions. In 2000, for the first time, the team of the Faculty of Mathematical Sciences had the opportunity to enter the World Mathematical Competition in 2000, which was held in England and

London. In 2010, once again, the team obtained the chance to participate in the competition which was held in the city of Blagoevgrad in Bulgaria.

Department of Mathematics has always welcomed the participation of interested and talented students of other departments in the competition preparation classes which are held every year, and in this regard, some students (especially students of computer and data sciences) have also won medals.

The names of the medal winners of the national and world mathematics competitions in the Faculty of Mathematical Sciences in Shahid Beheshti University are as follows:

Amirali Saghaei, Mohammad Reza Haghpanah, Yousef Ajoudani, Mohammad Nasirifar, Erfan Motesharrei, and Arian Banaei in the field of computer and data sciences.

A. National Mathematics Competitions

- Winning **gold medal** by Dr. Bijan Ahmadi Kakavandi (a faculty member in the Faculty of Mathematics) and Mohammad Reza Haghpanah.

- Winning **silver medal** by Arash Asadi, Mohammad Najafi, Asghar Ghorbanpour, Saeed Khalili, Soheil Malekzadeh, Mohammad Reza Bayan, Mohammad Reza Haghpanah, Amirali Saghaei, Mohammad Ali Arabi, and Pouria Bagherzadeh.

- Winning **bronze medal** by Newsha Modabbernia, Zahra Razavi, Zahra Reshadat, Ali Taherkhani, Mehdi Niakan, Hanif Rashtian, Mehdi Abdi, Farshid Abbasi, Mohammad Ali Arabi, Amirali Saghaei, Yousef Ajoudani, Pouria Bagherzadeh, Ali Ashouri, Mohammad Nasirifar, Erfan Motesharrei, Ahmad Ghaderi, and Arian Banaei.

- Obtaining an honorary diploma by Mr. Amin Anvari.

B. World Mathematics Competitions

- Winning **gold medal** by Amirali Saghaei

- Winning **silver medal** by Dr. Bijan Ahmadi Kakavandi (a faculty member in the Faculty of Mathematics), Mohammad Reza Haghpanah, and Mehdi Mahboubi.

- Winning **bronze medal** by Mohammad Reza Haghpanah and Amirali Saghaei.

- Obtaining an honorary diploma by Dr. Mona Nabiei, Arezoo Baybordi, Ghorban Ali Bagheri, Yousef Shahsavand, Siamak Robeinia, Saeed Khalili, Hanif Rashtian, Mehdi Abdi, Pouria Bagherzadeh, and Yousef Ajoudani.

C. Selected Scientific Students of the Country

- Winning **gold medal** by Dr. Bijan Ahmadi Kakavandi.

Student Scientific Society

Mathematical Student Scientific Society officially started its work as an institution affiliated with the university cultural affairs with the pursuit and efforts of several mathematics students entered in 1999, especially Ms. Saba Kakapour, with the elections held in the first semester of 2001-02, and with the support of Faculty of Mathematics and Department of Mathematics. Unfortunately, the activities of the society didn't continue as expected due to the lack of sufficient facilities and space.

The activities in the Student Scientific Society gradually took on a new color and smell since 2007 with the increase in facilities and support of student activities in the university. Until today, this society has taken effective and useful steps in line with its goals with the participation and cooperation of students, help and assistance of faculty members in the Department of Mathematics Sciences, and the relevant authorities, and it is hoped that the continuation of these activities with the participation of talented and capable students leads to scientific and cultural growth.

A. Activities of the Student Scientific Society

1. Publishing the Student Scientific Mathematics Magazine of Infinity

The initial idea of creating a math magazine that can offer a variety of content within the knowledge of the undergraduate course was first proposed in a friendly gathering of a number of mathematics students entered in 1997, the result of which was a Wall Magazine called "Infinity", which was published with the effort of Dr. Maryam Tahmasbi Abdar (faculty member of Department of Computer and Data Sciences) and Dr. Mona Nabiei who launched the first mathematics wall magazine in one of the bulletin boards in Department of Mathematics in 1999. This magazine was prepared in manuscript and was placed on the board monthly. Its contents were selected mainly from well-known old mathematics magazines such as Yekan, Roshd, and the magazines of the American Mathematical Society. In 2001, the arrangements for turning this magazine into a mathematics magazine were made with the help of Ms. Zahra Ali Biglu, one of the BA students of mathematics. Ms. Ali Biglu who was very energetic formed a team of five people including Dr. Abul Ghasem Karimi, Dr. Mona Nabiei, Dr. Maryam Tahmasbi Abdar, and Mr. Seyed Ali Lari with a lot of effort and obtained the license to publish the magazine.

It can be stated that the Scientific Mathematical Society was founded at about the same time. In fact, Infinity came first, followed by the Scientific Society. As its name implies, Infinity wanted the peak, not only as a publication but also as a scientific and cultural movement that wants to sprinkle the dry atmosphere of educational space and change things.

The student magazine of Infinity was recognized as the best magazine in 2016 at the University Publications Festival. In addition, in the national competition of student publications (Title 10), the 8th issue of Infinity Magazine under the supervision of Mahdis Fathi Aval as editor-in-chief and Dr. Moharram N. Iradmusa as the managing director won the title of the first publication to excel in basic national sciences and one of its articles entitled "How to write mathematics?" by Mahdis Fathi Aval was selected as the first national basic science article. Further, in the 7th domestic festival of publications, Infinity magazine won the title of the acclaimed magazine in the reports section and its

9th issue with the editorship of Mohammad Hossein Babakhani won 3rd place in the national festival of student publications (Title 11). Furthermore, the article of Sakineh Kazemi from this issue was selected as the top ten scientific articles in the basic sciences section.

2. Holding the Annual Mathematics Book Group Reading Competition (Crows)

The first book group reading competition in Iran (and perhaps in the world) with the slogan of "Read in groups, try in groups, and win prizes in groups" was designed and implemented in the Department of Mathematics in the Faculty of Mathematical Sciences in Shahid Beheshti University in Saturday, December 1, 2007. The initial idea of the competition was formed in the conversations between Dr. Amir Hossein Asghari and Dr. Mona Nabiei in early December with the purpose of encouraging and practicing teamwork, as well as independent mathematics reading. However, what was achieved in the end was much more diverse and richer than the initial goals. Among the main axes which led to the formation of this competition, the following can be indicated as examples:

- Limitation of mathematics study of most students to textbooks.

- Lack of knowledge of students about non-curricular and diverse subjects in mathematics and the relationship between them.

- Low level of general mathematical literacy among the students.

- Reluctance to do group mathematics activities.

In addition, it seemed that holding a competition was the best way to change the students' academic behavior. With these goals in mind, the competition of "Mathematics book group reading" was formed and the responsibility of holding it was given to the Student Scientific Society of Mathematics in Shahid Beheshti University since then.

3. **Holding Preparatory Classes for Mathematics Competitions of the Iranian Mathematical Society**

In order to get the necessary preparation for participating in mathematics competitions, the Scientific Society often organizes preparation classes for this purpose by inviting the medalists of previous courses and the instructors' cooperation. To this aim, the Society holds several selection tests in accordance with the process of preparatory classes based on the pre-announced program and with the support of respected instructors in the Department of Mathematics and submits the names of participants and their points to the Department of Mathematics for final decision and selection of members.

4. **Holding Annual Celebration of the Decade of Mathematics**

The International Mathematical Society in Brazil declared the year 2000 as the International Year of Mathematics in May 1992 and stated its purpose in three paragraphs.

First Goal: Examining the challenges of the 21st century.

Second Goal: "Mathematics; The key to progress".

Third Goal: Providing a general picture of mathematics.

In short, developing the knowledge and understanding of mathematics in education and daily life in different countries of the world was regarded as the main goal in 2000. The Iranian Mathematical Society decided to continue its activities in the field of generalization of mathematics after 2000 acknowledging the need to change the public perception of society regarding mathematics. For this reason, the first ten days of November is called "Ten days of mathematics" since 2004. Every year, a significant mobilization is created in the mathematics community of the country during this ten-day period with different programs provided by the associations, universities, and institutions affiliated with mathematics.

5. **Coordinating the Provision of Scientific Services to Students by Gifted Students**

The Student Scientific Society has started some activities to improve the academic status of the students since 2007 and tries to develop these activities every year, the most prominent of which include the publishing "Infinity" magazine, holding the "Crows" competition, and holding mathematics competition classes and Olympiad classes. In addition, the Telegram channel of the Society tries to inform the interested students about workshops, international and domestic conferences, as well as new information and achievements in mathematics in various fields.

6. **Series of Meetings in the Foundations in Science and Mathematics**

Discussions related to the philosophy and foundations in mathematics are among the most interesting and lesser-known parts of mathematics. Holding meetings with the help of the instructors in the Faculty of Mathematical Sciences and other faculties and research institutes in the university was one of the programs of the Society in 2019. To this aim, two sessions were held with lectures by Dr. Morteza Moniri and Dr. Aboutorab Yaghmaei in 2019 focusing on mathematical philosophy and philosophy of science. It is noteworthy that these meetings will continue in the future.

7. Celebrating Maryam Mirzakhani and Women in Mathematics Day

The first commemoration of "Women in Mathematics" Day was held on May 12, 2019 with the efforts of Dr. Mojgan Mahmoudi and the Iranian Mathematical Society in Shahid Beheshti University in the presence of famous instructors in the country. It is noteworthy that this day was approved as "Women in Mathematics Day" in the first women's conference of the International Union of Mathematicians in the World in August 2018 with the proposal of the women's committee in the Iranian Mathematical Society to celebrate the birthday of late Maryam Mirzakhani, the first woman and the first Iranian to win the Fields Medal.

8. Holding Scientific Competitions to Strengthen Problem Solving Skills (Board of Society)

To strengthen the students' skills, scientific competitions are held continuously in the Mathematical Society in the Faculty of Mathematical Sciences including competition of the board, in which some questions are designed at specific intervals and mounted on a board in the hall. The students put their answers in the inbox next to the entrance of the Society, and after reviewing the answers, the next question is asked if the correct answer is observed.

9. Collecting and Preparing a Sample Bank of Exam Questions and Textbooks

The Scientific Society of Mathematics is always trying to collect sample questions from different instructors, along with their pamphlets during different periods so that these collections remain as a permanent archive in the Society for the use and benefit of more students in the coming years.

B. Members of the Scientific Society of Mathematics

The members of the Scientific Society of Mathematics in 2020-21 are as follows:

Row	First and Last Name	Post
1	Ms. Sahar Sadat Barakati	Secretary of the Society
2	Mr. Alireza Izanloo	---
3	Mr. Ali Afzalpour	---
4	Mr. Soroush Pasandideh	---
5	Ms. Fatemeh Zeinabadi	---

To contact the Scientific Society of Mathematics and be aware of its events, you can proceed through one of the following ways:

https://t.me/MathSBU

Instagram.com/math.sbu

MathSBU.InfinityMagazine@gmail.com

Department of Computer and Data Sciences

History

Department of Computer and Data Sciences in Shahid Beheshti University started its activity by accepting BA students from the beginning of the 1999 academic year and expanded its activity by accepting MA students from 2006. In addition, doctoral students in the fields of computer science and bioinformatics have been admitted to this Department since the beginning of the 2014 academic year. Currently, eight full-time faculty members in various specialties including two instructors, one associate professor, and five assistant professors are working in this Department. Further, 185 BA students, 63 MA students, and 23 PhD students are studying in the Department of Computer and Data Sciences.

Research lab

Department of Computer and Data Sciences launched a scientific research lab called "Machine Learning and Data Processing" in March 2009 to achieve research and scientific goals, as well as implementing the projects in the field of artificial intelligence and machine learning.

Scientific Conferences and Seminars

Department of Computer and Data Sciences in cooperation with the Student Scientific Society has always tried to hold scientific conferences and seminars with the presence of faculty members in other faculties and other universities on a regular and weekly basis.

Department of Computer and Data Sciences succeeded in holding more than 25 scientific conferences on various topics in 2009 including Reinforcement Learning, Computer Science in Action, and Computer-Human Interaction. It is worth noting that in the Department of Computer and Data Sciences, a series of weekly science seminars are held by university instructors, other universities, and postgraduate students.

Holding Scientific Competitions

"*Gomanesh*" competition is considered as a platform for bringing together artificial intelligence programmers. The infrastructure of this competition was designed by Ali Katanforoush (Faculty Member of Department of Computer Sciences) and developed by the society of Computer Science students in 2016. Its first season was held in the same year with the participation of 12 teams from universities our the country. It is noteworthy that in this competition, participants are responsible for designing chat-bots which compete with each other to guess a target word through twenty questions against a human moderator.

Training Workshops

In addition to holding scientific seminars and conferences, the Department of Computer and Data Sciences has planned to hold various training workshops including Data Science Workshop, Hardware Security Workshop, Multicore Systems and GPU Programming Workshop, as well as Parallel Programming Workshop.

Student Competitions

The winners of the student mathematics and programming competitions in the Department of Computer and Data Sciences are as follows:

1. **Amirali Saghaei (Entrant in 2010)**

   - Winner of the bronze and silver medals in the National Student Mathematics Competition in 2012 and 2013, respectively.

   - Winner of the 3rd and 1st places in the International Mathematics Competition (IMC) in 2013 and 2014, respectively.

2. **Mohammad Reza Haghpanah (Entrant in 2010)**

   - Winner of the bronze and gold medals in the National Student Mathematics Competition in 2012 and 2015, respectively, and the coach of the second team of regional competitions in ACM ICPC 2015.

   - Winner of the silver medal in SEEMOUS 2014 competition, winner of the 3rd place in IMC 2013, and winner of the 2nd place in IMC 2014 and IMC 2015.

3. **Yousef Ajoudani (Entrant in 2012)**

   - Winner of the bronze medal in the National Student Mathematics Competition in 2014.

   - Winner of the honorary diploma in IMC 2014 and IMC 2015.

4. **Mohammad Nasirifar (Entrant in 2013)**

    - Winner of the bronze medal in the National Student Mathematics Competition in 2018.

    - Winner of the silver medal in the regional programming competitions of ACM ICPC 2017.

5. **Rezaei Younes (Entrant in 2016)**

    - Winner of the bronze medal in the regional programming competitions of ACM ICPC 2017.

6. **Erfan Motesharrei (Entrant in 2014)**

    - Winner of the bronze medal in the National Student Mathematics Competition in 2018.

7. **Arian Banaei (Entrant in 2016)**

    - Winner of the bronze medal in the National Student Mathematics Competition in 2018.

    - Winner of the bronze medal in the regional programming competitions of ACM ICPC 2019.

Honors of Department of Computer and Data Sciences

1. Selecting Dr. Jamal Amani Rad as the top student of the country in Ph.D. in 2016 with guidance of Dr. Kourosh Parand.

2. Selecting Dr. Ziba Eslami as the top researcher of the Virtual Space Research in 2015.

3. Obtaining the certification of appreciation and honor from the president and the head of the parliament in 2013 as the head of Iran skill national team in international competitions and acquisition of the title in the country fields by Dr. Kourosh Parand.

4. Selecting Dr. Kourosh Parand as the top researcher of ministries and executive organizations in 2013.

5. Obtaining the young mathematician award of the Institute for Research in Fundamental Sciences for selected paper in 2002 by Dr. Ziba Eslami.

6. Obtaining the 2nd place in the fundamental research of 13th Kharazmi International Award (KIA) in 1999 by Dr. Ziba Eslami.

7. Guiding six postdoctoral researcher.

8. Compiling one chapter of the book "Nonlinear Functional Analysis and Applications" from Nova Science Publications by Dr. Kourosh Parand.

Computer Science Scientific Association in Shahid Beheshti University

Students are regarded as the main element in the university. The Computer Science Scientific Association in Shahid Beheshti University is considered as a student formation that includes the students interested in scientific, research, and cultural affairs. The Computer Science Scientific Association in Shahid Beheshti University was first started its work by the students in 2006-07 academic year and has conducted different activities in various scientific, research, technology, and cultural areas including holding seminars, workshops, conferences, classes, celebrations, scientific evenings, publishing the scientific journals, and the like. The Computer Science Scientific Association in Shahid Beheshti University aims to create an appropriate environment, improve the scientific environment, and increase the interaction, as well as scientific and research sharing between the students.

The Central Council is selected every year by the elections in university student-scientific associations and includes the general assembly of the members in the Scientific Association, who voluntarily cooperate with the council in various activities.

A. Activities

1. Pardazeh: The students and graduates of computer science in Shahid Beheshti University produce content appropriate for their field by sharing their scientific articles and subjects by this journal in different areas including artificial intelligence, neural networks, bioinformatics, machine

learning, computational neuroscience, operating system, network, discrete mathematics, Linux, and the like.

2. Holding programming training classes.

3. Holding Android special course.

4. Holding a gathering for Beheshti Linux Users Group (BEHLUG).

5. Holding specialized seminars and workshops in the field of computer science.

6. Participating in Harkat festival.

B. Members of the Scientific Association

The members of the Central Council of Computer and Data Science in the Faculty of Mathematical Sciences in 2019-20 are as follows:

Row	First and Last Name	post
1	Ms. Mohammad Hossein Abdi	Secretary of the Association
2	Mr. Ali Kial	Deputy secretary
3	Mr. Hesam Damghanian	Managing editor of Pardazeh
4	Ms. Fatemeh Amini	Editor-in-chief of Pardazeh
5	Ms. Mehraneh Moghtadaeifar	---
6	Mr. Amir Hossein Babapour	---
7	Mr. Ali Rahimi	---

To contact the Computer Science and Data Scientific Association and be aware of its events, you can proceed through one of the following ways:

Computer and Data Science Scientific Association, Faculty of Mathematics Science, Shahid Beheshti University, Evin, Tehran.

https://telegram.me/cssbu

www.instagram.com/cs.sbu

cs.sbu.sa@gmail.com

https:// twitter.com/sbucssa

Faculty Members of Computer and Data Sciences

Dr. Changiz Eslahchi

Professor
PhD: Mathematics, Sharif University of Technology
Research Interests: Combinatorial Algorithms in Bioinformatics.

Undergraduate Teaching: Graph Theory, Foundations of Bioinformatics, Algebra, and Linear Algebra.
Postgraduate Teaching: Combinatorial Algorithms in Bioinformatics, and Systems Biology.

Dr. Kourosh Parand

Professor
PhD: Applied Mathematics, Amirkabir University of Technology
Research Interests: Solving Partial Differential Equations, and Investigate in Operations.

Undergraduate Teaching: Numerical Analysis, Numerical Linear Algebra, and Programming Languages.
Postgraduate Teaching: Computational Data Mining, and Artificial Neural Networks.

Dr. Ziba Eslami

Associate Professor
PhD: Mathematics, University of Tehran
Research interests: Cryptography.

Undergraduate Teaching: English for Computer Science, Introduction to Cryptography.
Postgraduate Teaching: Cryptocurrency and Blockchain Technologies.

Dr. Hadi Farahani

Assistant Professor
PhD: Mathematics, Shahid Beheshti University
Research Interests: Machine Learning and its Applications, and Theory of Classical and Quantum Computing.

Undergraduate Teaching: Foundations of Machine Learning, Foundations of Theory of Computation, and Theory of Computation.
Postgraduate Teaching: Machine Learning, Statistical Machine Learning, and Data Mining.

Dr. Mahmood Fazlali

Assistant Professor
PhD: Computer Systems Architecture, Shahid Beheshti University
Postdoc: Computer Engineering Lab, Technical University of Delft (TUDelft), Netherlands
Research Interests: High Performance Computing (HPC), Parallel Computing, and Reconfigurable Systems.

Undergraduate Teaching: Operating Systems, and Principles of Computer Systems.
Postgraduate Teaching: Parallel Algorithm, Advanced Operating System, and Multi-Core System.

Dr. Ali Katanforoush

Assistant Professor
PhD: Applied Mathematics, Sharif Uniersity of Technology
Research Interests: Bioinformatics, Artificial Intelligence, and Machine Learning.

Undergraduate Teaching: Data Structures, Algorithm Design, Fundamental of Theory Computation, and Artificial Intelligence.
Postgraduate Teaching: Machine Learning, Advanced Artificial Intelligence, Bioinformatic Algorithms, System Biology, Data Science Algorithms, Reinforcement Learning.

Dr. Saeed Reza Kheradpisheh

Assistant Professor
PhD: Computer Science, University of Tehran
Research Interests: Computational Neuroscience, and Neural Network.

Undergraduate Teaching: Programming (Basics and Advanced), Data Science, and Computational Neuroscience.
Postgraduate Teaching: Artificial Neural Networks.

Dr. Maryam Tahmasbi Abdar

Assistant Professor
PhD: Applied Mathematics, Amirkabir University of Technology
Research Interests: Computational Geometry, and Graph Algorithm Theory.

Undergraduate Teaching: Computational Geometry and Graph Algorithm Theory, and Foundations of Combinatorics.
Postgraduate Teaching: Computational Geometry and Graph Algorithm Theory, and Network Flow Analysis.

Mr. Fakhreddin Ayatollah Zadeh Shirazi's Life in Brief

Mr. Fakhreddin Ayatollah Zadeh Shirazi, the son of Ayatollah Seyed Mohammad Hossein Ayatollah Zadeh Shirazi, a descendant of Mirza Shirazi, the boycotter of tobacco, was born in Tehran in 1942 in a family of knowledge and grace, and spent the second year of primary school in Najaf Ashraf. He spent his high school years at the Darolfunun high school and entered the American University of Beirut to continue his university education. After returning home, Mr. Fakhreddin Ayatollah Zadeh Shirazi worked at Shiraz University for some time and then at Shahid Beheshti University. It is worth noting that he received his MA from the American University of Beirut. The university decided to award him an honorary doctorate during a ceremony because his knowledge and scientific ability were very impressive and unique, but he did not accept. During his service, he taught numerous courses such as topology, differential geometry, mathematical logic, size theory, general mathematics, foundations of mathematics, group theory, and mathematical analysis. Mr. Fakhreddin Ayatollah Zadeh Shirazi had many outstanding characteristics which came from his religious and moral obligations. In addition, he was a scientific and practical model for students in all of the fields in science and ethics. His prominent characteristics included tolerance and good morals, complete mastery of various scientific subjects, commitment to study before each session, and commitment to observing the timing of the material. He collaborated with various scientific centers at home and abroad due to his complete mastery of Arabic, English, and German languages and his expertise and scientific commitment during his service. It is noteworthy that the accuracy and method of his teaching were well-known and significant so that each of his pamphlets is, in fact, a perfect book and very complete. In addition, he has written many valuable works, the most prominent of which include his articles, the book of Mathematical Analysis (Volume 1), and its solutions manual in the publications of Shahid Beheshti University.

Dr. Mohammad Mehdi Ebrahimi's Life in Brief

Dr. Mohammad Mehdi Ebrahimi was born in Bandar Gaz in 1947. He began his university studies in mathematics, which he always loved, at the University of Isfahan, and continued at Aligarh University in India and McMaster University in Canada, and completed them in 1980. Dr. Mohammad Mehdi Ebrahimi always excelled in all of his undergraduate studies and received several awards, scholarships, and medals including a gold medal for his first place in MA at Aligarh University in India. Immediately after receiving his doctorate, he returned home and worked actively in the Department of Mathematics in Shahid Beheshti University since 1981 so that he was introduced as a model instructor of education and research at the Faculty several times. Among his lasting and influential activities in the mathematical community of the country, we can mention his membership in the Executive Council of the Iranian Mathematical Society, working as the editor-in-chief and managing director for the Journal of Mathematical Culture and Thought, and membership in the Mathematical Committee of the High Planning Council in the Ministry of Science, Research, and Technology. In addition, he has many national honors in his brilliant record of activities including the winning of the Dr. Abbas Riazi Kermani Award for the best article of the Mathematical Conference in 2000-2001 and his worthy selection as the best instructor in the country in 2009. Dr. Mohammad Mehdi Ebrahimi has always been involved and influential in various affairs of the Department and the Faculty. Further, he was in charge of the management in the Department of Mathematics for three courses and vice-chancellor of postgraduate studies in the Faculty of Mathematics for one course. He has been an active member of various committees in the Department and the Faculty for several periods, and accepting the responsibility for the consultant in the Faculty of Mathematical Sciences for 3 years is among his unforgettable services. Dr. Mohammad Mehdi Ebrahimi's specialty is universal algebra in the category (Rasta) and topos. He is in fact the leader in Iran and the father of the branches of universal algebra in the category theory and has published more than 60 articles in prestigious and very prominent journals in the world in his field. His other valuable services include the specialized writing of more than 12 volumes of books and translating 17 books. Dr. Mohammad Mehdi Ebrahimi as an instructor in the Department of Mathematics retired in 2010. However, he continues to work as a consultant for postgraduate students in the Department of Mathematics.

Dr. Massoud Alborz's Life in Brief

Dr. Massoud Alborz was born in Tehran on March 12, 1953. After graduating from Azar high school in 1971, he received his BA in the High School of Mathematics and Economic Management in Karaj and then studied statistics and probability at Michigan State University at the MA level. Dr. Massoud Alborz received his doctorate from Shahid Beheshti University in the same field in 2005. After returning to Iran in 1979, he started his educational cooperation with the University of Science and Industry. He became a faculty member in the High School of Computer in 1980 and was transferred to Shahid Beheshti University with the beginning of the Cultural Revolution in 1983. Dr. Massoud Alborz has always been actively involved in the various affairs of the university and has rendered valuable services to the university. Executive responsibilities such as Vice-chancellor for Administration and Finance of Al-Zahra University, Vice-chancellor for Administration and Finance in Shahid Beheshti University, Vice-chancellor for Execution in UNESCO National Commission, Vice-chancellor for Education, Head of the Faculty of Informatics, Management of Shahid Beheshti University, and Vice-chancellor for Execution in the Faculty of Mathematical Sciences are among his valuable responsibilities and services. During his career, he carried out several research projects including "universal statistical system of the environment", "determining the productivity indicators of National Productivity Organization", "universal statistical system of Shahid Beheshti University". Dr. Massoud Alborz was retired in 2010. However, he continues to work with the Department of Statistics at Shahid Beheshti University.

Dr. Mehdi Behzad's Life in Brief

Dr. Mehdi Behzad was born on the second day of April 1936 in Yazd. According to him, his father's mathematical puzzles led him as a child to mathematics. Dr. Behzad received a diploma in mathematics in 1956 and received his BA in mathematics from the University of Higher Education with the first rank in 1960. His success in the undergraduate course brought him a scholarship from the Ministry of Culture so that he could enter Michigan State University to continue his education, which he received his MA in 1963 and his doctorate in mathematics in 1965. It is worth noting that his doctoral dissertation is still the main source of conjecture known as "Behzad's conjecture" and remains unsolved. This conjecture is about coloring graphs, and so far thousands of articles and several books have been published about this concept. After receiving his doctorate, he researched and taught at Vienna State University for a year, but his interest and love for his homeland led him to return to the country so that he went to Shiraz University in 1966 and continued his effective activities in this university. In this regard, the first MA course in Iran was planned and implemented in the same year with his constructive efforts. In addition, his valuable researches and countless services have been the source of many advances in the Iranian mathematical community including establishing the Iranian Mathematical Society in 1971, establishing the postgraduate courses in several Iranian universities, the effective role in establishing the University of Mazandaran in 1976, membership in the founding board in the Iranian Academy of Sciences, membership in domestic and international associations in the field of mathematics and science, launching student mathematics competitions in Iran, launching the Association for the Promotion of Science and Mathematics in Iran, and writing one of the first books on university education in the world regarding graph theory. Dr. Mehdi Behzad was selected as an everlasting figure of Iran in the field of mathematics in 2003 due to his valuable services.

Dr. Seyed Alireza Hosseiniun's Life in Brief

Dr. Seyed Alireza Hosseiniun was born in April 1946. He received his BA in mathematics from the Ferdowsi University of Mashhad and his MA from Mosaheb High School of Kharazmi University in the subdiscipline of analysis in 1971. Since then (October 1971), he started his career in the Department of Mathematics at the University of Tabriz as an assistant professor. Dr. Seyed Alireza Hosseiniun started his doctoral studies in Scotland in August 1975 and obtained a doctorate in the branch of functional analysis in August 1978. After receiving his doctorate in the same year, he returned to the country and resumed his activities at the University of Tabriz. He was appointed to serve in the Ministry of Science with the beginning of idle time in universities in 1979. Then, he was first transferred to the Ministry of Science and then immediately to Shahid Beheshti University until 1984, during which he held positions such as Vice-chancellor for Execution in the National Organization for Educational Testing, Director General of Monitoring and Evaluation in the Ministry of Science, and Vice-chancellor for Education in Shahed University. After being transferred to Shahid Beheshti University, he was also the Head of the Department and the Vice-chancellor for Education in the Faculty several times, and once the Dean of the Faculty of Science and Management in the General Administration of Monitoring and Evaluation in the University. Dr. Seyed Alireza Hosseiniun became an associate professor in 1989 and a professor in 1996, and his valuable research and numerous services have been the source of many advances in the Iranian mathematical community, the most prominent of which include the authorship of eight books in the field of mathematics and more than 50 scientific-research articles in the best and most prestigious journals. Dr. Seyed Alireza Hosseiniun was retired in December 2013 with more than 42 years of service. However, he is still engaged in research activities in the Department of Mathematics after retirement.

Dr. Ahmad Khodadadi's Life in Brief

Dr. Ahmad Khodadadi was born on April 21, 1953 in the garden city of Jahrom. He completed his pre-university education there and his BA in mathematics at the University of Isfahan, and left for the United States to continue his education. Dr. Ahmad Khodadadi received his MA in applied mathematics from Roosevelt University and his doctorate in statistics from Colorado State University. After returning to Iran, he started his educational and research activities at Shiraz University as a faculty member and at the same time was the Vice-chancellor for Education of the university for six years. He excelled both in specialized education and as the Vice-chancellor for Education of the university. Dr. Ahmad Khodadadi transferred to Shahid Beheshti University in 1997 and started and continued his educational and research activities there. From the beginning of his presence in the Department of Statistics, he taught specialized and applied courses in the field of reliability, and trained tens of postgraduate students and several doctoral students with exemplary care and seriousness. Simultaneously with his educational and research activities, he was in charge of managing the parliamentary affairs for almost a decade and was in charge of the Vice-chancellor for Support, Legal, and Parliamentary Affairs in the Ministry of Science, Research and, Technology, in which he defended the independence of universities and scientific centers with tact and power. He took an active and effective part in proposing and approving the relevant legal provisions in the fourth and fifth development plans, as well as in the law on permanent provisions of development plans. Dr. Ahmad Khodadadi retired from the Faculty in 2009 at his own request, however is still working effectively with the Department of Statistics on educational and research activities. In addition, he continues his effective activities through effective cooperation with the Parliamentary Research Center and working as the Vice-chancellor for Resource Support and Development, representing the Receivables Committee, and membership in the Credit Committee of the Prosperity and Innovation Fund, as in the past, with all diligence and seriousness in all three areas of education and research, approval of relevant and required laws, and principled implementation of the laws related to the field of science and technology.

Dr. Mohammad Zokaei's Life in Brief

Dr. Mohammad Zokaei was born in Shahreza in 1952. He received a BA degree in mathematics and statistics at Shiraz University in 1975 and went to the United States with a scholarship to continue his postgraduate studies. He received his MA in statistics from Michigan State University. Dr. Mohammad Zokaei began his doctoral studies at the University of Wisconsin-Madison in 1977 and returned to Iran at the same time as the victory of the Islamic Revolution. After returning to the United States, he completed his doctoral studies in applied statistics in 1982. He served in the Faculty of Mathematics in Isfahan University of Technology from 1984 to 1993 to fulfill his scholarship obligations, and he was also in charge of the university Vice-chancellor for Education and Program Management. Dr. Mohammad Zokaei was transferred to Shahid Beheshti University in 1993 and since then he has always been active in various affairs of the university and has had constructive and valuable participation and has rendered valuable services for the university. So far, he has held important and key executive positions including Vice-chancellor for Education and Dean of the Faculty of Mathematics and Vice-chancellor for Education of the University, Secretary of Faculty Recruitment, and Management of Faculty Affairs. It is noteworthy that he has published several research articles and conducted many extra-organizational research projects which excel in the university. Dr. Mohammad Zokaei, as the associate professor in the Department of Actuarial Science, retired in 2019. However, he is still engaged in his educational and research activities and cooperates with the Department of Actuarial Science in the Faculty of Mathematical Sciences, the Iranian Statistical Society, and the Actuarial Society of Iran.

Dr. Abdul Rahim Shahlaei's Life in Brief

Dr. Abdul Rahim Shahlaei was born in Shiraz in 1947. After graduating from high school in Shiraz, he received his BA in mathematics from the American University of Beirut. He went to Newcastle University in England to study for MA in statistics and graduated from this university in 1976. Dr. Abdul Rahim Shahlaei was hired by the Tehran Higher Institute of Statistics in 1977 and then transferred to the Department of Statistics in Shahid Beheshti University in 1984. He went to Southampton University in England to complete his doctoral course in 1992 and was able to graduate from this university in 1997. After receiving his doctorate, Dr. Abdul Rahim Shahlaei returned to Shahid Beheshti University for educational and research activities, teaching, researching in the field of statistics and insurance statistics, and training student in this field. During his time at the university, he was the source of many valuable services, the most prominent of which include training a large number of students in the field of Actuarial Science, publishing several scientific-research articles, and translating non-parametric statistics books. Dr. Abdul Rahim Shahlaei, the assistant professor in the Department of Actuarial Science, retired in 2007. However, he is still engaged in educational and research activities and cooperates with the Department of Actuarial Science in the Faculty of Mathematical Sciences and the Actuarial Society of Iran actively.

Dr. Ali Amidi's Life in Brief

Dr. Ali Amidi was born in Golpayegan in 1933. He completed his primary education and the first cycle of high school in Golpayegan and entered the teachers college of that city. After passing the two-year course of the teachers college, he came to Tehran to continue his education by gaining the first rank, and completed the sixth year of mathematics at Darolfunun High School. Dr. Ali Amidi received his BA in mathematics from the Faculty of Science and Teacher-training University. The Academy of Gondishapur in Ahvaz agreed to transfer him from the Department of Education and hire him as an instructor at the Ahvaz University of Science in 1968. Dr. Ali Amidi succeeded in gaining admission to continue his studies abroad with great perseverance. After obtaining a doctorate in probability from France, he was repeatedly offered residency and cooperation by the University of Nancy in that country, as well as several other universities and institutes in Paris. But this educated instructor not only had no hesitation in returning to the country and teaching in Iran, but also returned home immediately. After returning to Iran, he published a book on probability, and based on his abilities, he became an associate professor and Vic-chancellor in the Shahid Chamran University of Ahvaz. At the beginning of the revolution, he moved to Tehran, where he taught at Shahid Beheshti University and edited in Markaz-e Nashr-e Daneshgahi Publications. During his time at the university, he was the source of many valuable services, the most prominent of which included training a large number of students in the field of statistics, writing, translating and editing several valuable books. He was selected as a model instructor at Shahid Beheshti University in 1998. Unfortunately, Shahid Beheshti University and the scientific community could no longer benefit from this wise instructor due to an accident with a motorcycle and severe concussion in 2002. Unfortunately, Dr. Ali Amidi died in 2017.

Dr. Mohammad Reza Meshkani's Life in Brief

Dr. Mohammad Reza Meshkani was born in Meshkan, Sabzevar in 1322. He received his Ph.D. in Statistics from Florida State University in 1978 and was a faculty member in the Department of Mathematics of Shahid Beheshti University with the academic rank of professor. Dr. Mohammad Reza Meshkani was selected for the 26th Book of the Year Award of the Islamic Republic of Iran and won the 16th World Book of the Year Award. During the Cultural Revolution, he became a member of the Compilation and Translation Committee affiliated with the Cultural Revolution Headquarters, which later became Markaz-e Nashr-e Daneshgahi Publications. His presence in this committee during the closure of universities led to the selection of up-to-date books and statistical standards for translation and teaching in the field of statistics. He himself was one of the translators and editors of such books during those years and the following years. The role of Dr. Mohammad Reza Meshkani as a member and chairman of the Statistics Committee in the Supreme Planning Council in compiling BA, MA, and PhD courses was very prominent. Through his efforts, the PhD course in statistics was launched at the Shahid Beheshti University, where he supervised the dissertation of a number of students in different years. Dr. Mohammad Reza Meshkani played a key role in establishing MA courses in socio-economic statistics and insurance statistics (Actuarial Science) at Shahid Beheshti University, through which many graduates were recruited in the insurance industry. Dr. Mohammad Reza Meshkani has rendered invaluable services during his career. He has served the University for many years as the Head Department of Statistics, the Vice-chancellor for Research at Faculty of Science, and the Director of Research Services, but perhaps his greatest contribution to the scientific community is his role in achieving the idea of establishing the Iranian Statistical Society. After compiling the statute and forming the first assembly of statisticians, he took the chairmanship in the founding board of the Society and was selected as the first president of the Statistical Society due to these valuable services. Unfortunately, Dr. Mohammad Reza Meshkani died in 2019.

Dr. Siamak Nourbaloochi's Life in Brief

Dr. Siamak Nourbaloochi was born in Tehran in 1951. He grew up in Ahvaz and spent his childhood in Mehr kindergarten in Ahvaz with a qualified instructor named Ms. Prosky. He spent his elementary school years in model elementary schools of Dr. Hoshyar and his high school years in Dr. Fatemi high school. He was accepted in the undergraduate course of statistics at the Institute of Statistics and Informatics in 1970, in which he received his BA. His instructors included Mr. Sekhavat, Mr. Sarfehjoo, Mr. Parvin, Mr. Meshkani, and Mr. Davoodzadeh, and of course Dr. Abbasgholi Khajehnoori, founder of Institute of Statistics, and other masters such as Dr. Mohsen Hashtroodi, Dr. Vahdati, Dr. Maralani, and Dr. Hashem Pesaran. He was accepted on a scholarship from the Planning and Budget Organization at the beginning of his MA course at the Institute of Statistics in 1975 and went to the United States to continue his studies. He received his MA and Ph.D. in statistics from Iowa State University. It is worth noting that the supervisor of his doctoral dissertation was Professor Glenn Maiden, and he, in his own words, benefited the most from a truly unique instructor in mathematics named Mr. Alexander Abian (an Iranian Armenian and a unique instructor who was familiar with his favorite concept in the world of mathematics and enlightened love and trust in the hearts of his students). After completing his doctorate in 1982, he returned to Iran and went to Ahvaz after some time on the advice of Dr. Jahanbakhsh, one of his classmates from the Institute of Statistics, who was a coach in Shahid Chamran University. He re-launched the Department of Statistics in the Shahid Chamran University of Ahvaz and activated the associate and bachelor courses in statistics there with the help of Dr. Hakimi and Dr. Azizi. After being an assistant professor at the Shahid Chamran University of Ahvaz for about 6 years, he was transferred to Shahid Beheshti University in 1988. Dr. Siamak Nourbaloochi was among the founders of the Iranian Statistical Society in 1990 and played a major role in establishing MA course in statistics and establishing new subdisciplines in the field (Master of Socio-Economic Statistics and Insurance Statistics), as well as launching a PhD in Statistics in Iran, along with other statistical pioneers. He has played a very prominent role in educating the new generation of statisticians in the country with his unique teaching style, and many current instructors of statistics in the country have tasted the sweet taste of his apprenticeship. It is noteworthy that he was in charge of the Head of Department of Mathematics during 1994-1997.

Dr. Mohammad Ghasem Vahidi Asl's Life in Brief

Dr. Mohammad Ghasem Vahidi Asl was born in Ahar in 1947. He received his BA in mathematics at the University of Tehran and left for the United States to continue his studies after completing his military service in 1974. He received his MA in 1976 and his doctorate in probability theory in 1979 from the University of Oregon. Dr. Mohammad Ghasem Vahidi Asl was hired by Kharazmi University after returning to Iran in 1979 and was transferred to Shahid Beheshti University in 1997. He was among the founding members of Statistical Society and chaired the Society for three terms.

Dr. Mohammad Ghasem Vahidi Asl was a source of many valuable services during his career, the most prominent of which included publishing a large number of scientific-research articles, along with the authorship and translation of numerous books. It is noteworthy that three books including "Corners of Islamic Mathematics", "Mathematical statistics", and "History of Algebra, from Kharazmi to Amy Notter" have been awarded the Book of the Year Award of the Islamic Republic of Iran among his unique translations and writings. In addition, he has been the editor of five scientific journals including "Research journal of Iranian Statistical Society" and "Nashr-e-Riazi". Dr. Mohammad Ghasem Vahidi Asl, an instructor in the Department of Statistics, retired in 2010. However, he is still engaged in his educational and research activities and cooperates with the Department of Statistics and Actuarial Science in the Faculty of Mathematical Sciences, Statistical Society, and Actuarial Society of Iran.

Chapter 2: Honors and Achievements

1. **Honors and Achievements**

2. **Number of Articles and Faculty References**

3. **Number of Faculty Articles in the Top List**

4. **Extra-Organizational Projects**

5. **Selected Faculty Researchers at the University**

6. **Selected Instructors of the Faculty at the University**

7. **Journal of Categories and General Algebraic Structures with Applications**

Instructors and students in the Department of Mathematics in Shahid Beheshti University have won many honors at this university, scientific societies at the national and international levels, and in prestigious national and international societies, and have received important research scholarships from prestigious scientific centers due to their scientific efforts. In addition, the instructors and students in the Department of Mathematics have been awarded the titles such as the everlasting figure of the country, outstanding researcher, selected researcher and instructor, top researcher, exemplary instructor of the country, highly cited scientist, selected authors and translators, invited and selected lectures in prestigious international conferences, exemplary national students, and the like due to their valuable and lasting scientific efforts, and have been honored by the Shahid Beheshti University President, the Minister of Science, and the President..

Everlasting Figure

1. Dr. **Mehdi Behzad**, the everlasting figure of Iran in the field of mathematics, 2003.

Selected Researchers and Instructors of the Country

1. Dr. **Kourosh Parand**, the top researcher in the ministries and executive bodies of the country, 2013.

2. Dr. **Mohammad Mehdi Ebrahimi**, the national exemplary instructor, 2009.

3. Dr. **Rajab Ali Borzooei**, the candidate for the top researcher in the Ministry of Science and receiving a certification of appreciation and a plaque of commemoration from the Deputy Minister of Science in 2005.

One Percent of the World Most Cited Scientists

1. Dr. **Sohrab Ali Yousefi**, specialized field of numerical analysis, Google-H-Index equal to 30, i10-10-Index in Google Scholar equal to 51 in 2020.

2. Dr. **Masoud Hajarian**, specialized field of numerical linear algebra, Google-H-Index equal to 28, i10-10-Index in Google Scholar equal to 66.

International Festivals

1. Dr. **Ziba Eslami**, second place in fundamental research in the 13th Kharazmi International Festival, 1999.

Honors Earned in the Field of Books

1. Dr. **Mohammad Reza Meshkani**, winner of the 26th Book of the Year Award of the Islamic Republic, 2008.

2. Dr. **Mohammad Reza Meshkani**, winner of 16th World Book of the Year Award, 2008.

3. Dr. **Ali Amidi**, Winner of Book of the Year of the University of Tehran, 2000

4. Dr. **Mohammad Ghasem Vahidi Asl**, Winner of Book of the Year Incentive Award, 1995, 1998, and 2001.

Research Scholarships From Internationally Reputable Centers

1. Dr. **Hossein Hajiabolhassan**, obtaining research scholarship "High-End Foreign Experts Program" from the Government of China during 2020-2022.

2. Dr. **Abbas Fakhari Ghouchani**, obtaining an affiliate researcher scholarship from ICTP Italy during 2015-2020.

3. Dr. **Rajab Ali Borzooei**, obtaining a joint research scholarship (with Professor Shin and Professor June) from the National Natural Science Foundation of China during 2019-2021.

4. Dr. **Abbas Fakhari Ghouchani**, obtaining guest researcher scholarship from ICTP Italy during 2008-2015.

5. Dr. **Hossein Hajiabolhassan,** obtaining the research scholarship to participate in a course entitled "Graphs, Supergraphs, and Calculations" from Mittag-Leffler Institute of the Royal Swedish Academy of Sciences in 2014.

6. Dr. **Mojgan Mahmoudi**, obtaining Erasmus Mendus Scholarship for a month stay at the University of Warsaw by Dr. Mojgan Mahmoudi in 2013.

7. Dr. **Changiz Eslahchi**, obtaining the guest researcher scholarship from National University of Singapore in 2010, 2012, and 2013.

8. Dr. **Bijan Ahmadi Kakavandi**, obtaining the guest researcher scholarship from Max Planck Research Institute in 2008.

Honors Won at Prestigious International Conferences

1. Dr. **Zahra Gooya**, member of the Roundtable on Mathematics Education and the Democratization of Mathematics at the International Congress of Mathematicians in Brazil, 2008.

2. Dr. **Mojgan Mahmoudi**, the guest lecturer at Professor Benashevsky Commemoration Conference at University of Cape Town, South Africa, 2011.

3. Dr. **Hossein Hajiabolhassan**, the guest lecturer at the Satellite International Mathematics Conference in India, 2010. (International Conference on Recent Trends in Graph Theory and Combinatorics (A Satellite Conference of ICM)).

4. Dr. **Morteza Moniri**, the guest lecturer at the Steklov Mathematical Institute in Russia, (Moscow), at the "Logical Models of Reasoning and Computation" conference in 2008.

5. Dr. **Zahra Gooya**, the guest lecturer at the International Conference in Russia (Moscow) in 2002. (International Education and Resource Network (IEARN)).

Honors and Awards Won by the Scientific Associations

1. Dr. **Mohammad Reza Meshkani**, winning the award of Iranian Statistical Society, 2018.

2. Dr. **Mohammad Ghasem Vahidi Asl**, obtaining the title of Veteran instructor of Statistics by the Statistics Society of the country, 2014.

3. Dr. **Mohammad Ghasem Vahidi Asl**, obtaining the title of the selected instructor of statistics of Iran, 2005.

4. Dr. **Mohammad Mehdi Ebrahimi** and **Dr. Mojgan Mahmoudi**, winners of the Abbas Rezaei Kermani Award by the Iranian Mathematical Society, 2002.

5. Dr. **Ali Amidi**, receiving the certification of appreciation from Iranian Statistical Society on the occasion of scientific services to raise the level of statistical science in Iran, 2001.

Obtaining the Title of the Best Student in the Country

1. Dr. **Jamal Amani Rad**, Department of Computer and Data Sciences, specialization in scientific computing, 2016.

Number of Articles and Faculty References

The chart and table below show the number of articles published with the address of the Department of Mathematics, along with the total number of referrals during 2007-2019 and 25% of the top faculty members in terms of the number of referrals and the H index until November 2020.
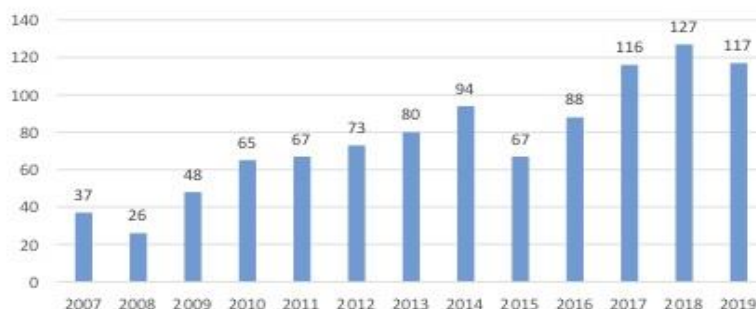
The articles indexed in Scopus, the total number of citations during 2007-2019 is equal to 4454.

Row	First and Last Name	Number of Articles Published in Journals Indexed by Scopus	References	H-Index
1	Dr. Ziba Eslami	48	561	10
2	Dr. Changiz Eslahchi	71	335	11
3	Dr. Rajab Ali Borzooei	160	916	15
4	Dr. Kourosh Parand	139	2142	28
5	Dr. Hossein Hajiabolhassan	39	274	10
6	Dr. Masoud Hajarian	109	2208	27
7	Dr. Mahmoud Khodabakhshi	37	703	18
8	Dr. Alireza Salemkar Langroudi	46	286	9
9	Dr. Massoud Tousi	56	293	9
10	Dr. Mojtaba Ganjali	96	451	12
11	Dr. Sohrab Ali Yousefi	64	2113	25

Number of Faculty Articles in the Top List

The following charts and tables show the number of articles published with the address of the Faculty of Mathematics during 2007-2019, as well as the number of articles related to the faculty members in the top list of the Norwegian scientific index (Level 2), which is extracted from the information of the Scopus citation database. It is noteworthy that the articles related to the faculty members, the articles published during their presence in other universities and institutes and even abroad are included in the mentioned number.

It is worth noting that the Faculty of Mathematics in Shahid Beheshti University is among the top Faculties of Mathematics in Iran in terms of publishing an article in the top list, indicating the high quality of research in this Faculty.

Top List
Mathematics Sciences
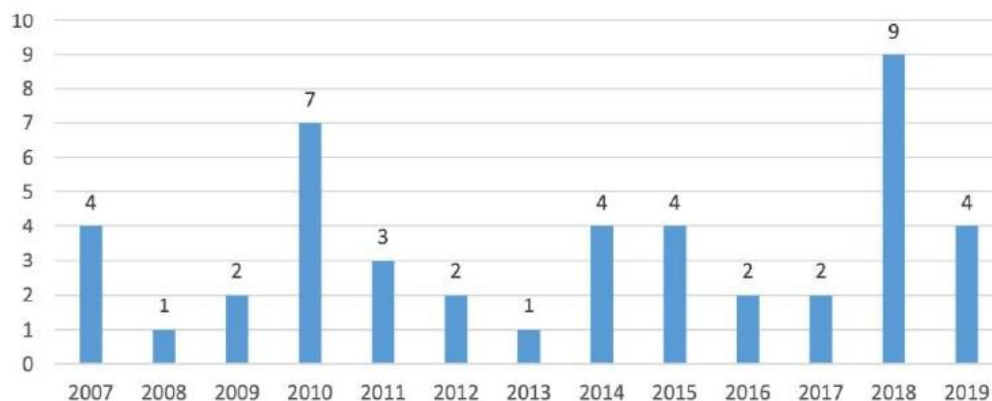
Articles Published in the Top List by the Faculty Members Until September 2020				
Row	First and Last Name	Name of Journal	Number of Articles Published by a Faculty Member	Total Number of Published Articles with Iran Address
1	Dr. Mohammad Mehdi Ebrahimi	Theoretical Computer Science	1	55
2	Dr. Ziba Eslami	Information Sciences	4	292
		Journal of Combinatorial Theory. Series A	1	21
		Journal of Systems and Software	1	54
		Journal of Visual Communication and Image Representation	1	53
		Pattern Recognition	1	89
3	Dr. Changiz Eslahchi	BMC Bioinformatics	3	44
		BMC Evolutionary Biology	1	8
		Molecular Phylogenetics and Evolution	1	47
4	Dr. Rajab Ali Borzooei	Information Sciences	4	292
5	Dr. Mehdi Pour barat	Journal of Differential Equations	1	14
		Discrete and Continuous Dynamical Systems- Series A	1	7
		Ergodic Theory and Dynamical Systems	1	3
6	Dr. Hossein Hajiabolhassan	Journal of Combinatorial Theory. Series B	4	11
		Journal of Combinatorial Theory. Series A	2	21
7	Dr. Seyed Mohammad Ebrahim Hosseini Nasab	Statistics in Medicine	1	18
8	Dr. Alireza Salemkar Langroudi	Journal of Algebra	6	175
9	Dr. Reza Taleb	Documaenta Mathematica	1	1
		Journal of Number Theory	1	18
10	Dr. Massoud Tousi Ardekani	Journal of Algebra	4	175
11	Dr. Abbas Fakhari Ghouchani	Discrete and Continuous Dynamical Systems- Series A	3	7
		International Journal of Mathematics	1	15
12	Dr. Ali Katanforoush	BMC Bioinformatics	1	44

13	Dr. Mojtaba Ganjali	Statistics in Medicine	1	18
14	Dr. Zahra Gooya	Educational Studies in Mathematics	1	3
		ZDM - International Journal on Mathematics Education	1	1
15	Dr. Mojgan Mahmoudi	Theoretical Computer Science	1	55
16	Dr. Khosrow Monsef Shokri	Journal fur die Reine und Angewandte Mathematik	1	1
		Journal of Number Theory	1	18
17	Dr. Morteza Moniri	Journal of Symbolic Logic	1	10
18	Dr. Mohammad Ghasem Vahidi Asl	Scandinavian Journal of Statistics	1	2
19	Dr. Sohrab Ali Yousefi	BIT Numerical Mathematics	1	18

Extra-Organizational Projects

Row	Executor of Project	Project Title	Starting Year	Closing Year	Contracting Party
1	Dr. Amir Teymour Payende Najafabadi	Modeling the Pattern of Postponement of Claims in Car Insurance with the Ability to Implement in an Artificial Intelligence System	2020	---	Iran Insurance Company
2	Dr. Amir Teymour Payende Najafabadi	Designing a Risk Acceptance Model for Oil and Gas Refineries	2018	2020	Insurance Research Center
3	Dr. Ehsan Bahrami Samani	Detecting and Controlling Violations and Frauds of the Life Insurance Sales Network	2017	2020	Insurance Research Center
4	Dr. Mohammad Zokaei	National Report on the State of the Environment in Iran (Third National Report, Persian and Latin (SOE))	2014	2016	Department of Environment and Shahid Beheshti University
5	Dr. Amir Teymour Payende Najafabadi	Determining the Optimal Method of Calculating Third Party Premiums	2011	2013	Insurance Research Center
6	Dr. Changiz Eslahchi	Algorithm Based on Graph Theory to Control the Spread of Disease in the Social Network	2011	2013	Ministry of Health and Medical Education
7	Dr. Maryam Tahmasbi Abdar	Study Project to Assess the Design Models of Public Transportation Network in the World	2011	2012	The Institute for Transportation and Intelligent Systems of Amirkabir University of Technology
8	Dr. Mojtaba Khazaei	Preparing the Universal Statistical System of Cultural Heritage	2009	2013	Ministry of Cultural Heritage, Handicrafts, and Tourism
9	Dr. Massoud Alborz	Implementing the Second Phase of the Universal Statistical System of the National Environment	2004	2006	Department of Environment
10	Dr. Mohammad Zokaei	National Report on the State of the Environment in Iran (Second National Report, Persian and Latin (SOE))	2004	2005	Department of Environment and Shahid Beheshti University

11	Dr. Mohammad Zokaei	Performance Report of Department of Environment	2004	2005	Department of Environment and Shahid Beheshti University
12	Dr. Massoud Alborz	The First Phase of the Universal Statistical System of the National Environment	2003	2005	Department of Environment
13	Dr. Mohammad Zokaei	Establishing a Biodiversity Statistical Database in Natural History Museums under the Auspices of Department of Environment	2003	2005	Department of Environment and Shahid Beheshti University
14	Dr. Mohammad Zokaei	National Report on the State of the Environment in Iran (First National Report, Persian and Latin (SOE)), Selected Research Project in the 4th Festival of Research and Innovation in the Field of Urban Management	2003	2004	Tehran Urban Planning and Research Center (TUPRC) Commissioned by Islamic City Council of Tehran and Shahid Beheshti University
15	Dr. Siamak Nourbaloochi	Designing the Universal Statistical System of Tourism Industry	2002	2008	Iran Tourism Organization
16	Dr. Massoud Alborz	Designing the Universal Statistical System of National Environment	2002	2005	Department of Environment
17	Dr. Mohammad Zokaei	Preparing and Developing Biodiversity Information Management System in the Museums of Natural History in Department of Environment	2002	2005	Department of Environment and Shahid Beheshti University
18	Dr. Mohammad Zokaei	Executor of a 20-year Universal Educational and Research Project	1993	1995	University of Kashan
19	Dr. Mohammad Zokaei	Sampling plan to Estimate the Planting and Harvesting of Rice in the North of the Country	1983	1984	Ministry of Agriculture Jihad

Selected Faculty Researchers at the University

1. Dr. **Hossein Hajiabolhassan**, 2020.

2. Dr. **Kourosh Parand** and Dr. **Mehdi Pour barat**, 2019.

3. Dr. **Rajab Ali Borzooei** and Dr. **Masoud Hajarian**, 2018.

4. Dr. **Ali Lotfi**, 2017.

5. Dr. **Mohammad Zokaei** and Dr. **Sohrab Ali Yousefi**, 2016.

6. Dr. **Mohammad Khodabakhshi** and Dr. **Mojtaba Ganjali**, 2015.

7. Dr. **Amir Teymour Payandeh Najafabadi** and Dr. **Kourosh Parand**, 2014.

8. Dr. **Rajab Ali Borzooei** and Dr**. Masoud Hajarian**, 2013.

9. Dr. **Seyed Mohammad Ebrahim Hosseini Nasab** and **Alireza Salemkar Langroudi**, 2012.

10. Dr. **Amir Teymour Payandeh Najafabadi**, 2011.

11. Dr. **Mojtaba Ganjali** and Dr. **Mojgan Mahmoudi**, 2010.

12. Dr. **Kourosh Parand** and Dr. **Sohrab Ali Yousefi**, 2009.

13. Dr. **Alireza Salemkar Langroudi** and Dr. **Mojtaba Ganjali**, 2008.

Selected Faculty Instructors at the University

1. Dr. **Reza Taleb** and Dr. **Bijan Ahmadi Kakavandi,** 2020.

2. Dr. **Firoozeh Rivaz** and Dr. **Mohammad Reza Faghihi Habibabadi**, 2019.

3. Dr. **Masoud Hajarian** and Dr. **Alireza Salemkar Langroudi**, 2018.

4. Dr. **Bijan Ahmadi Kakavandi** and Dr. **Kourosh Parand**, 2017.

5. Dr. **Ehsan Bahrami Samani** and Dr. **Negur Shahni Karamzadeh**, 2016.

6. Dr. **Farhad Khellat**, 2014.

7. Dr. **Alireza Salemkar Langroudi**, 2013.

8. Dr. **Bijan Ahmadi Kakavandi**, 2012.

9. Dr. **Kourosh Parand** and Dr. **Mohammad Reza Faridrohani**, 2011.

10. Dr. **Mojtaba Ganjali** and Dr. **Sohrab Ali Yousefi**, 2010.

11. Dr. **Mohammad Reza Faghihi Habibabadi** and Dr. **Mohammad Ghasem Vahidi Asl**, 2009.

12. Dr. **Alireza Hosseiniun**, 2008.

13. Dr. **Mohammad Mehdi Ebrahimi** and Dr. **Zahra Gooya**, 2007.

Journal of Categories and General Algebraic Structures with Applications

Categories and General Algebraic Structures with Applications

This journal is regarded as the highest international publication approved by the Ministry of Science, Research, and Technology, which has been published by Department of Mathematics in Shahid Beheshti University as a bi-quarterly since 2013. In this journal, qualitative and original research articles are published in two branches of categories and general algebraic structures in English. The main editorial board members for this journal include Dr. Mohammad Mehdi Ebrahimi (Editor-in-chief), Dr. Fariborz Azarpanah (Shahid Chamran University of Ahvaz), Dr. Ali Akbar Estaji (Hakim Sabzevari University), Dr. Rajab Ali Borzooei (Shahid Beheshti University), Dr. Naser Hosseini (Shahid Bahonar University of Kerman), Dr. Amir Daneshgar (Sharif University of Technology), Professor Themba Dube (University of South Africa), Dr. Mohammad Reza Rajabzadeh Moghaddam (Ferdowsi University of Mashhad), Dr. Alireza Salemkar Langroudi (Shahid Beheshti University), Dr. Reza Ameri (University of Tehran), Dr. Akbar Golchin (University of Sistan and Baluchestan), Professor Victoria Gold (University of York, England), Dr. Mojgan Mahmoudi (Managing Editor), Dr. Ali Madanshekaf (Semnan University), Dr. Morteza Moniri (Shahid Beheshti University).

So far, about 50 prominent scientists in the fields of general algebraic structures and category theory have accepted the honorary and affiliated membership of the editorial board and are collaborating with the journal.

It is noteworthy that this journal was indexed in reputable scientific databases in a short period of time and gained very good rankings in them. These valid scientific databases include:
Scopus, Web of Science (ESCI), Mathematical Reviews, Zentralblatt Mathematics, Islamic Science Citation (ISC), ...
To read the published articles and get more information about this journal, you can refer to its website at http://cgasa.sbu.ac.ir.

Chapter 3: Faculty Councils and Working Groups

1. **Faculty Councils**

2. **Educational Policy-Making and Planning Council**

3. **Research and Technology Policy-Making and Planning Council**

4. **Advisory Council**

5. **Working Group Reviewing Scientific Ability**

6. **Information Technology Council**

Faculty Councils

Research Policy-Making Council

- Dean of the Faculty
- Vice Chancellor for Education and Postgraduate Education
- Representative of Department of Statistics
- Representative of Department of Actuarial Science
- Representative of Department of Mathematics
- Representative of Department of Applied Mathematics
- Representative of Department of Computer and Data Sciences

Educational Policy-Making Council

- Dean of the Faculty
- Vice Chancellor for Education and Postgraduate Education
- Representative of Department of Statistics
- Representative of Department of Actuarial Science
- Representative of Department of Mathematics
- Representative of Department of Applied Mathematics
- Representative of Department of Computer and Data Sciences

Faculty Council

- Dean of the Faculty
- Vice Chancellor for Education and Postgraduate Education
- Vice Chancellor for Research
- Head of Department of Statistics
- Head of Department of Actuarial Science
- Head of Department of Mathematics
- Head of Department of Applied Mathematics
- Head of Department of Computer and Data Sciences

Information Technology Council

- Dean of the Faculty
- Vice Chancellor for Research
- The Faculty Members Selected by the Dean of the Faculty

Working Group Reviewing Scientific Ability

- Dean of the Faculty
- Representatives of the University President in the Faculty (Two People)
- Representative of the University Admissions Council
- The head of Department of Statistics[*]
- The head of Department of Actuarial Science[*]
- The head of Department of Mathematics[*]
- The head of Department of Applied Mathematics[*]
- The head of Department of Computer and Data Sciences[*]

[*]According to Circumstance

Advisory Council

- Dean of the Faculty
- Vice Chancellor for Education and Postgraduate Education
- Vice Chancellor for Research
- Invited Instructors

Educational Policy-Making and Planning Council

The educational policy-making and planning council of the Faculty is formed in order to expand and improve the level of education and formulate educational programs in the Faculty of Mathematical Sciences, help implement programs and approvals, as well as providing more participation and active interaction of faculty members in decision-making related to educational activities. The members of this council include:

A. Dean of the Faculty.

B. Vice-Chancellor for Education and Postgraduate Education.

C. One Representative each Department.

Note 1: The Vice-chancellor for Education can invite faculty members of the departments to participate in the meeting without the right to vote.

Note 2: Council meetings are formalized with the presence of at least five people.

The tasks of the educational policy-making and planning council of the Faculty include:

1. Cooperating with the Vice-chancellor for Education to achieve the goals and tasks of the vice-chancellor and create the necessary ground for the implementation of educational approvals.

2. Writing a proposal to enhance the role of the Faculty in training entrepreneurial and specialist graduates with the development of their professional skills in line with the needs of the labor market.

3. Reviewing and commenting on issues referred to the Council by the Chairman, Board of Directors, or Vice-chancellor for Education.

4. Reviewing and commenting on educational regulations to be submitted to the Board of Directors.

5. Identifying and reviewing educational programs and courses by diversifying optional courses for entrepreneurship, the synergy of knowledge, skills, and attitudes of graduates towards the needs of the day.

6. Creating solutions to encourage faculty members in providing up-to-date, problem-oriented, and creative educational content versus the memory-based educational system.

7. Providing strategies for attracting foreign students, and implementing joint national and international training courses and degrees.

8. Reviewing and suggesting the creation of new disciplines and subdisciplines.

9. Reviewing and approving the proposal related to the correction and revision of the course titles.

10. Reviewing and approving the proposal related to the establishment of a new department center.

11. Reviewing and approving the proposal to combine or merge several subdisciplines and create a new subdiscipline between fields or departments.

12. Proposing the implementation of an educational subdiscipline in special absentia, electronic, and virtual way.

13. Providing suggestions for reforming and improving the educational system of the Faculty based on the results of monitoring and evaluation.

14. Providing suggestions for optimizing and improving the educational standards of the Faculty.

Research and Technology Policy-Making and Planning Council

Research policy-making and planning council is formed in order to expand and improve the level of research and development of research programs in the Department of Mathematics Sciences, help implement programs and approvals, as well as providing more participation and active interaction of faculty members in decision-making and decisions related to research and technology activities. The members of this council include:

A. Dean of the Faculty.

B. Vice-Chancellor for Research.

C. One Representative each Department.

Note 1: The Vice-chancellor for Research can invite faculty members of the departments to participate in the meeting without the right to vote.

Note 2: Council meetings are formalized with the presence of at least five people.

The tasks of the research policy-making and planning council of the Faculty include:

1. Cooperating with the Vice-chancellor for Research to achieve the goals and tasks of the Vice-chancellor and creating the necessary ground for the implementation of research approvals.

2. Developing appropriate solutions to improve research conditions and removing barriers within the framework of approvals.

3. Reviewing and commenting on the issues referred to the Council by the Chairman, Board of Directors, or Vice-chancellor for Research.

4. Reviewing and commenting on the regulations and research plans to be presented to the Board of Directors.

5. Reviewing and presenting the necessary solutions to persuade and encouraging the faculty members to write and translate books and write research articles.

6. Planning to improve the academic level of the faculty members and basing the ground for their study and research opportunities.

7. Assessing the quality of research in the Faculty, reviewing the quality of faculty member's activities, and submitting a report to the Board of Directors.

8. Holding national and international webinars.

9. Submitting a proposal to the Board of Directors in the following areas:

   - Reviewing and proposing the formation of research centers and hubs in the Faculty.

   - Preparing and compiling various research regulations.

   - Assessing ways to make the research results applicable.

   - Setting and proposing research goals and policies.

Advisory Council

The advisory council is responsible for advising the Faculty on the following matters:

1. Preparing and formulating 3-5 year goals of the Faculty.

2. Preparing a strategic plan to achieve the 3-5 year goals of the Faculty (educational, research).

3. Supervising the implementation of the strategic plan of the Faculty.

4. Participating in some Faculty meetings (including meetings with the vice-chancellors of Faculty, Faculty Council, and educational and research councils.

Working Group Reviewing Scientific Ability

The working group reviewing scientific ability is organized at the university to select the right faculty members among the applicants, change the employment status, and create a unified procedure in the employment affairs of the faculty members.

A. Dean of the Faculty.

B. Representatives of the university president in the Faculty (faculty members).

C. Representative of the University Admissions Council.

D. Head of Department of Statistics[*].

E. Head of Department of Actuarial Science[*].

F. Head of Department of Mathematics[*].

G. Head of Department of Mathematics[*].

H. Head of Department of Applied Mathematics[*].

I. Head of Department of Computer and Data Sciences[*].

Executive Duties of the Working Group:

1. Identifying and determining the needs of faculty members in the faculty departments.

2. Commenting regarding the recruitment of faculty members applying for employment in the institute and applicants for academic rank in terms of academic ability and general competence.

3. Providing continuous annual reports to the University Admissions Council according to circumstance.

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[*] According to Circumstance

Information Technology Council

The information technology council is responsible for managing the computer sites of the Faculty, updating the website, social networks, hardware and software support, electronic support, and doing IT for the Faculty. The members of this council include:

A. Dean of the Faculty.

B. Vice-Chancellor for Research.

C. At least four faculty members familiar with information technology who are selected by the Dean of the Faculty.

Note 1: A member of the information technology council becomes the director of information technology of the Faculty for two years by the decree of the Dean of the Faculty.

Note 2: The director of information technology should be familiar with electronics and computer skills.

The duties of the information technology council of the Faculty include:

1. Determining policies, procedures, and programs of the Faculty.

2. Reviewing and prioritizing IT needs (software, hardware, and network) periodically (each semester).

3. Making necessary decisions to meet the needs and equipment of various departments and sites of the Faculty through the reports regarding the general needs of the departments and sites of the Faculty.

4. Prioritizing to transfer the computer equipment.

5. Examining the current structure of the Faculty network and identifying its strengths and weaknesses.

6. Managing and updating the website of the Faculty.

7. Documenting and defining the duties of experts and managers of the IT department of the Faculty.

8. Reviewing the method of doing the work and documenting the important data backup system of the Faculty.

9. Examining the method of providing services to network users and providing appropriate solutions.

10. Reviewing and analyzing network security policies, and providing an appropriate information security solution.

11. Managing and supporting virtual classes, seminars, and conferences.

12. Planning to provide the necessary technical and human infrastructure in order to develop the information technology of the Faculty.

Chapter 4: Duties

1. **Duties of the Dean of the Faculty**

2. **Duties of the Vice-Chancellor for Education and Postgraduate Education**

3. **Duties of the Vice-Chancellor for Research and Technology**

4. **Duties of the Faculty Members**

5. **Duties of Department of Education**

6. **Duties of the Head of the Department**

7. **Duties of the Executive Manager**

8. **Duties of the Educational Expert**

9. **Duties of the Research Expert**

10. **Duties of the Office Manager of the Faculty and Department**

11. **Duties of the Library Expert**

12. **Duties of the Head of the Secretariat**

Duties of the Dean of the Faculty

Duties of the Dean of the Faculty Include:

1. Supervising the proper implementation of the approvals communicated through the university president and creating an appropriate ground for the growth of academic talents.

2. Creating appropriate grounds for the development of students' academic talents.

3. Forming various Faculty Councils and supervising their work.

4. Participating and presenting Faculty opinions in university council meetings.

5. Coordinating the educational, research, financial, administrative, and cultural affairs of the Faculty.

6. Supervising the proper implementation of educational and research duties of faculty members.

7. Supervising the student, educational, and research affairs of the Faculty.

8. Providing the required staff of the Faculty (including faculty and non-faculty) in coordination with the relevant units.

9. Proposing the dismissal and appointment of Vice-chancellors and Heads of Departments of the Faculty.

10. Evaluating and coordinating all of the activities in the Faculty units.

11. Proposing the annual budget of the Faculty to the university president and supervising the consumption of credits.

12. Evaluating the annual activities in the Faculty and submitting a report to the university president

.

Duties of the Vice-Chancellor for Education and Postgraduate Education

Duties of the Vice-Chancellor for Education Include:

1. Managing all educational affairs of the Faculty and supervising the implementation of educational regulations and bylaws.

2. Planning to create the ground for the implementation of the approvals announced by the Vice-Chancellor for Education of the University.

3. Proposing educational policies of the Faculty to the educational council according to the short-term and long-term programs of the university.

4. Establishing educational coordination and cooperation between the departments and faculty members, as well as coordination between the departments and sections in offering joint courses.

5. Providing suggestions for reforming the number of students in the training courses.

6. Providing suggestions for the development and creation of centers, departments, hubs, and educational units to educational departments.

7. Forming a committee of educational-research advisors for contract faculty members, and promoting the ranks of faculty members in the Faculty.

8. Identifying, introducing, and encouraging successful and active faculty members in education.

9. Planning short-term training courses for newly hired assistant professors and postgraduate students to empower them.

10. Providing suggestions for organizing training assistants (TA).

11. Encouraging to obtain undergraduate projects (for teaching individual study, research, report preparation, dissertation writing, and the like).

12. Assisting training departments in adapting the old curriculum with the new one, preparing optional courses, and providing a minor curriculum of the Faculty.

13. Studying and deciding on educational issues to improve the quality of education in different training courses.

14. Developing and implementing the required national educational regulations and bylaws.

15. Supervising the proper implementation of educational duties and activities of educational departments in the Faculty.

16. Continuous assessment of students' academic achievement and report to the Dean and the Faculty Council.

17. Evaluating the educational performance of faculty members and the heads of educational departments continuously, as well as reporting to the Dean and the Faculty Council.

18. Organizing the agenda for the meetings of the Faculty educational council and hold these meetings regularly.

19. Participating in the meetings of the University Educational Council and raising the relevant issues in it.

20. Preparing annual reports of activities performed, and plans for the following year

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Duties of the Vice-Chancellor for Research and Technology

The Vice-chancellors for Research and Technology are considered as the implementers and guides of the policies adopted by the University Research Council in their units (Faculty, research institute, and center). In general, the Vice-chancellors for Research and Technology in the universities, centers, and research institutes are obliged to participate and cooperate in determining the goals, strategies, and research policies of the university in order to improve the quantity and quality of research, guide and encourage researchers in basic and applied research to serve the industry and scientific community in the country. In this regard, the Vice-chancellors for Research and Technology in the units will be responsible for the main sections such as research affairs, relations with industry and society, international research relations, and the matters related to the publication of academic works of units and library affairs, which are mentioned below.

Duties of the Vice-Chancellors for Research and Technology of the Units

1. All or part of the duties and powers of the heads of the units may be delegated to the Vice-chancellors for Research and Technology in the units.

2. Organizing meetings as research council of units.

   Note: The number of members in the Research Council of the units is determined according to the number of members in those units and in the form of the following patterns.
   In units with less than 10 faculty members, the Vice-chancellor for Research operates directly.
   Units with 10 to 30 members have a five-member council, in which the cases approved by the council are approved by at least three members.
   For units with more than 30 faculty members, the council is formed with seven people and cases are approved with the presence of at least five members.
   It is recommended that the members in the Research Council of the units be selected in such a way that at least one representative from each specialized group is present on the council.

3. Managing and supervising the proper implementation of all research and technology affairs, libraries, and databases of the units, in accordance with the relevant approvals, regulations, and bylaws.

4. Controlling and supervising the research processes of the units.

5. Necessary studies for assessing research activities and evaluating the annual research performance of the units to be presented to the Vice-chancellor for Research and Technology of the university.

6. Establishing the necessary relations with domestic and foreign institutions in order to cooperate in research affairs and exchange of academic services.

7. Cooperating in providing scientific, cultural, and social services, holding scientific seminars and conferences, and implementing all matters of research and service contracts between the institute and other institutions.

8. Collaborating in the implementation of short research courses for non-university institutions.

9. Preparing a research program for the units and presenting goals and determining research priorities in the form of medium and long-term plans.

10. Reviewing and evaluating unit activities in the framework of growth and development programs of the country based on the objectives of the vision document and development plans of the country and the universal scientific map of the country in the higher education sector for planning in the University Research Council.

11. Computing the promotion points of the faculty members in the unit and send them to the Faculty affairs.

12. Checking and confirming the special credit points sent from the units.

Shahid Beheshti University Office in Research and Technology Affairs has several areas. The activities of the Vice-chancellors for Research and Technology in the units in each area are mentioned in the following section.

A. Duties and Powers of the Vice-Chancellors for Research in the Field of Postgraduate Planning and Research

1. Presenting the meetings, transferring the information, approvals, suggestions, and the like to the council and the research commissions of the units, and presenting the points of view of the relevant units in the University Council and Research Commissions.

2. Reviewing and evaluating research projects (mandatory and non-mandatory), and sending them in a timely manner after approval by the Research Council of the relevant unit.

3. Reviewing and evaluating books published in the relevant unit.

4. Creating a regular archive of research activities in the relevant unit.

5. Holding a conference on research achievements and participating in exhibitions and festivals.

6. Providing appropriate facilities for presenting research reports of the relevant unit.

7. Reviewing the MA and PhD proposals and the adequacy of doctoral achievements.

8. Reviewing and assessing the conferences which the relevant unit applies for, and evaluating out-of-university conferences related to the relevant unit, which seek the spiritual and material support of the university.

9. Monitoring and evaluating the research outputs of the relevant unit, and preparing a portfolio for the outputs each year.

10. Reviewing and evaluating the conferences which the faculty member of the relevant unit applies for participating in them.

11. Planning to increase the level of knowledge of faculty members, students, and staff about ethics in research through holding training workshops, conferences, scientific meetings, and the like.

12. Promoting ethics in research, scientific integrity, and informing at the unit level.

13. Investigation and pathology of the reasons and grounds for the occurrence of research violations and the application of preventive measures at the unit level and referring the issue to the University Office of Research Affaires.

B. Duties and Powers of the Vice-Chancellors for Research of the Relevant Units in the Field of Research and Technology Support

1. Reviewing and approving all registered activities of faculty members in the Golestan system due to the systematization of most activities related to the field of Office of Research and Technology Affaires, regular monitoring of the service counter under the Golestan system to approve and send the activities of faculty members in the relevant unit, and eliminating their deficiencies.

2. Examining faculty members' requests to participate in national and international conferences, checking the documents according to existing criteria, and approving and sending the requests through the Golestan system.

3. Reviewing and approving the grouping and scoring of registered activities related to the special credit of the faculty members in the relevant unit and sending it to the University Office of Research and Technology Affairs through the Golestan system.

4. Approving and sending the requests to the Vice-chancellors for Research introduced by the faculty members in the relevant unit through the Golestan system.

5. Monitoring the number of citations for the articles of the Department members and special credit points.

6. Controlling the method of spending research credits.

7. Establishing and optimizing international communications.

8. Facilitating faculty members' communication with postdoctoral applicants.

9. Investigating and controlling the method of sending the students to research opportunities.

10. Facilitating absorption in support of PhD and MA theses.

11. Monitoring the proper use of unit equipment and proper servicing of the bit network.

C. Duties and Powers of the Vice-Chancellors for Research in the Units in the Field of Central Library and Documentation Center and Affiliated Libraries

1. Continuous communication with Central Library and Documentation Center in the university and participation in the development of regulations and executive instructions related to the processes of providing resources and improving the methods of providing services to Central Library and Documentation Center.

2. Forming a scientific working group for selecting resources with emphasis on the related needs of faculty members, researchers, and students of the relevant unit, and monitoring the use of databases by members.

3. Monitoring the correct selection and optimal purchase of print and electronic resources including books, journals, and articles according to the process of

selecting and preparing print and electronic resources in a decentralized manner.

4. Supervising the performance of the resource organization process in the library of the relevant unit with emphasis on faster access of faculty members, researchers, and students of the relevant unit to the resources.

5. Coordinating with the activities in the libraries of the affiliated units with the focus on thematic sharing of resources and topics.

6. Supervising the performance of the unit library to implement the correct process of lending resources and responding to clients.

7. Communicating with the Vice-chancellors for Research of other information centers and urban, national, regional, and international libraries with common thematic coverage.

8. Providing conditions for the professional promotion of unit librarians by participating in in-service training courses.

9. Developing the process on the necessity of the presence of faculty members, researchers, and students in the Central Library and the Documentation Center and the library of the relevant unit in order to acquaint university users with the new facilities of the Central Library.

10. Participating in the provision of library software and applications, evaluating them, and commenting on software upgrades.

11. Participating in the collection of scientific works with documentary value in order to strengthen the University Documentation Center and Museum.

D. Duties and Powers of the Vice-Chancellors for Research of the Relevant Unit in the Field of Publishing Book

1. Adopting publishing policies of the relevant unit within the framework of specific goals and priorities of the university due to the distinguishing characteristics of the unit.

2. Proposing the publication of the works belonging to the faculty members of the relevant unit for planning and decision-making in the University Publishing Council within the framework of the University Publishing Regulations as follows:

   - Receiving and reviewing the proposal (proposal: the proposed plan for writing or translating the book (textbooks and supplementary) from the Department Council.

- Introducing the proposal in the Research Council to determine, select, and send the proposal for evaluation by domestic and foreign judges and follow-up until the result is obtained.

- Deciding on (approving, rejecting or conditionally approving) the proposal in the council of the relevant unit.

- Approving the proposal in the Research Council after the approval of the judges and sending a letter of approval, its documents, and a copy of the minutes related to the Research Council of the relevant unit, along with the judges' opinion to the University Publishing Council for planning and decision-making in this council.

- Submitting the response of the University Publishing Council to the council of the relevant unit and the owner of the work to produce the proposed work.

- Receiving, reviewing, and deciding on the proposed work in the Research Council after the approval of the referees.

- Sending the letter of approval of the work, its documents, and a copy of the minutes related to the Research Council of the relevant unit, along with the judges' opinion to the University Publishing Council for planning and decision-making in this council.

- Submitting the response of the University Publishing Council regarding the text of the work to the council of the relevant unit and the owner of the work.

- Publishing needs assessment of the unit in need of the production of content for course resources in specialized areas based on the opinion of the educational departments.

E. Duties and Powers of the Vice-Chancellors for Research of the Relevant Unit in the Field of Publishing Journal

1. Sending a letter requesting the establishment of a journal (with the approval of the Head or Vice-chancellor of the relevant unit), in which the necessity of establishing and publishing a journal and agreeing with it in the Research Council of the relevant unit has been approved.

2. Communicating the enactments of the University Publications Council regarding the scientific journals of the university to the officials and staff of the journals.

3. Informing and communicating all of the intra and extra-organizational administrative correspondence related to the scientific journals of the university to the officials and staff of the journals.

F. Communication with Industry and Society

1. Communicating with the research department of the industrial ministries, factory R&D departments, specialized committees of the Graduate Association, as wells as research organizations and institutions coherently, transferring the needs raised to the faculty members, and preparing an appropriate platform for concluding the contract.

2. Completing pursue of letters, proposals, and plans of ministries and their affiliated institutions and industrial units which are sent to the relevant unit through the University-Industry Liaison Office (ILO).

3. Coordinating the participation of relevant instructors in joint meetings with managers of industrial units as needed and by the announcement of the University-Industry Liaison Office.

4. Sending the instructors' industrial-research projects to the University-Industry Liaison Office for related measures.

5. Coordinating the instructors' visits to industrial units in Tehran and townships as needed and by the announcement of the University-Industry Liaison Office.

6. Preparing and updating the guide containing the scientific-research capabilities of the faculty members of the relevant units.

7. Updating the set of lab/workshop services and sending it to the Industry Liaison Office.

8. Sending a copy of the defense minutes and a summary of MA and PhD students' dissertations to the Industry Liaison Office continuously.

9. Attending consulting meetings at the Industry Liaison Office.

10. Pursuing the relevant provisions of scientific-research agreements which are sent through the Industry Liaison Office.

11. Creating a regular archive for all of the above cases.

The duties of Vice-chancellors for research and technology were approved at the meeting of the managers in the Office of Research and Technology Affairs on May 30, 2020.

Duties of the Faculty Members

Responsibilities and duties of full-time faculty members are based on four basic activities including educational (theoretical-practical), research, student guidance, and university services.

1. Mandatory teaching or its practical equivalent according to the regulations approved by the University Council.

2. Conducting basic or applied research.

3. Guiding and answering the students' questions.

4. Supervising the undergraduate and postgraduate dissertations.

5. Attending councils, committees, and examination boards.

6. Carrying out scientific consulting affairs according to the Department program.

7. Participating in seminars, conferences, and scientific and specialized forums according to the theory of the Department.

8. Participating in on-campus and off-campus councils at the discretion of the Department.

9. Attending university at least 40 hours a week.

10. Doing other things referred to by the Head of the Department, the Dean of the Faculty, and the University President.

Duties of Department of Education

Department of Education is regarded as a unit consisting of faculty members specializing in one faculty discipline. The duties of the Department of Education include:

1. Coordinating educational and research activities in the relevant field.

2. Setting the required educational programs.

3. Supervising the presentation of courses based on approved programs and topics, as well as reviewing and commenting on course texts and content.

4. Commenting on teaching and research hours of department members.

5. Commenting on the admission of transfer and guest students and determining the shortage of their courses.

6. Reviewing research projects and proposing to the Research Council.

7. Commenting on scholarships and missions of department members and proposing it to the Research Council.

8. Predicting the need of the Department to hire specialized faculty members and commenting on the scientific competence of the recruitment candidates for the legal process.

9. Evaluating the Department's activities annually in accordance with its strategic plan for presenting in the University Council.

10. Planning for the courses according to the delegated powers of the High Planning Council.

11. Reviewing and commenting on modifying the topics and revising the titles of the courses (in terms of originality or optionality), as well as determining the content of the courses according to the latest scientific developments for approval by the relevant council based on the criteria in the university regulations.

Duties of the Head of the Department

Duties of the Heads of the Departments Include:

1. Presenting executive plans for quantitative and qualitative growth of education and research, along with the development of the relevant department up to three months after issuing the sentence with the participation of all members of the Department and based on the strategic plan of the Department.

2. Compiling and presenting the calendar and schedule of the presence of the faculty members in the Department, meetings and other activities (educational and research) related to the group, and providing effective and transparent information in this field to the Dean of the Faculty.

3. Documenting the records and documents in the Department and organizing and designing a codified database for it.

4. Involving faculty members and all colleagues of the Department in planning and developing the educational, research, and cultural activities of the Department and related decisions.

5. Implementing the internal evaluation plan in the Department based on the notified instructions and documenting its results periodically as one of the most important planning documents of the Department and presenting it to the Dean of the Faculty.

6. Updating and reviewing the curricula of the Department and supervising and implementing the approved and revised curricula in accordance with the relevant laws.

7. Planning and holding regular meetings of the Department and brainstorming on academic news with faculty members and students.

8. Planning for seminars, roundtables, training workshops, and short-term specialized courses.

9. Written, accurate, expert, and timely responding to requests and correspondence from Faculty and university officials.

10. Participating and cooperating in educational, research, cultural, and extracurricular activities of the Faculty and university.

11. Planning to recruit Faculty and applying the necessary facilities and equipment, along with financial resources for the Department.

12. Preparing a report on the activities of the Department and the relevant faculty members based on the strategic plan of the Department at the end of each academic year and the management course and submitting them to the Dean of the Faculty.

13. Distributing educational and research activities among the faculty members of the Department (courses, dissertations, theses, and other items) fairly.

14. Preparing a syllabus for each semester with the cooperation of department members and submitting it to the Vice-chancellor for Education in the Faculty.

15. Supervising the activities in the Department and implementing the educational, research, cultural, administrative, and financial rules and regulations, as well as other approvals of Faculty and University Councils.

16. Planning to carry out applied research projects required by the country with the help of faculty members in the Department.

17. Aligning the activities of the Department with the macro strategies and policies of the Faculty and university.

18. Planning and supervising the timely approval and implementation of students' dissertations, theses, tests, and periodic seminars.

19. Planning for the development of the field of study in the Department, establishing the required applied subdisciplines, and creating new and interdisciplinary fields in the Department.

20. Planning and supervising the activities of the faculty members of the Department in order to allocate time for scientific counseling and interaction with students.

21. Planning and monitoring the observance of safety and environmental principles in the activities of the Department.

22. Attempting and persuading the faculty members in producing science and publishing research outputs (scientific-research articles, scientific-promotional articles, conferences, authorship, book review, invention, scientific festivals, international competitions, and the like).

23. Doing other works referred by the Faculty and university.

24. Optimal planning to provide training courses and monitoring student enrollment at the beginning of each semester.

25. Observing financial rules and regulations in earning income and expenses.

Duties of the Executive Manager

Duties of the Executive Manager Include:

1. Cooperating with the Dean and Vice-chancellors of the Faculty, managers of educational and research departments, and affiliated units of the faculty in order to solve administrative, financial, and service problems.
2. Cooperating with the university staff units in order to solve the financial and administrative problems of the Faculty staff.
3. Communicating laws, regulations, directives, and the like, along with administrative instructions to educational units and departments according to the order of the Dean of the Faculty.
4. Performing financial, administrative, and service affairs of the Faculty within the limits of the authority delegated by the university.
5. Cooperating with budget management and organizations in preparing and adjusting the annual budget of the Faculty.
6. Supervising and monitoring the use of allocated funds.
7. Preparing and arranging the personnel files for follow-up related to the promotion of the Faculty staff.
8. Pursuing the matters (employment, promotion, transfer, leave, retirement, mission, and the like) according to the relevant regulations and bylaws.
9. Providing welfare facilities by considering regulations and financial facilities.
10. Supervising the affairs related to the insurance and health of the Faculty staff.
11. Predicting the required manpower and reporting to the relevant authorities.
12. Estimating the required tools and equipment and pursue their supply.
13. Supervising the purchase of required equipment in accordance with the relevant authorities, instructions, and regulations.
14. Supervising the affairs related to the building and electrical, electronic, and telecommunication equipment, and the like.
15. Supervising the movement and transfer of Faculty equipment and supplies with the cooperation of relevant units.
16. Supervising the affairs related to the printing, duplication, registration, and distribution of issued and received letters.
17. Other matters assigned by the Dean of the Faculty.
18. Preparing a report of the activities performed to present to the superior authority.

Duties of the Educational Expert

Duties of the educational expert Include:

1. Implementing all educational regulations announced by the Office of Academic Affairs or the Office of Postgraduate Affairs.

2. Cooperating with the managers of educational departments in organizing educational programs and sending them to the Dean of the Faculty (by the heads of the departments).

3. Registering and determining the removal and change of students' courses with the participation of the heads of the educational departments and supervisors in accordance with the general educational regulations.

4. Preparing the student ID card and sending it to the Office of Academic Affairs for approving.

5. Arranging the basic systems of the students accepted in each semester and each field and showing the units were taken and the sum of the selected units.

6. Completing the forms related to the instructors' tuition contract according to the order of the Dean and sending them to the educational management.

7. Registering and planning for the general and educational courses in coordination with the relevant Faculty.

8. Controlling the formation of classes in the Faculty according to the planned schedule and sending a weekly report to the Dean of the Faculty and the educational management.

9. Sending summons to students who have not applied for registration within the deadline.

10. Collaborating in arranging exam schedules with the Heads of the Educational Departments.

11. Holding exams and preparing a report on the method of conducting exams and stating the names of students who did not attend the exam session or

committed violations and sending a report to the Dean of the Faculty and the educational management.

12. Obtaining grades and exam papers on the set date, registering grades in special forms, and announcing exam results.

13. Announcing the names of probation and expelled students to the Dean of the Faculty and educational management.

14. Preparing and arranging the documents of the students applying for the academic leave, sending them to the Dean of the Faculty for presenting in the Faculty Council, and communicating the opinions of the council to the students.

15. Taking the necessary measures for students applying for permanent dropout and elimination of semesters, and sending the obtained documents to the educational management.

16. Sending an appeal on the exam score of the applicant students to the Dean of the Faculty in order to issue an appropriate order.

17. Preparing and issuing enrollment certificates for the applicant students and sending its copy to the educational management.

18. Sending the Transcript of Grades to the Department of the graduates' affairs and forwarding its copy for the approval of the relevant department.

19. Controlling and reviewing the status of classrooms in terms of lack of educational instruments and teaching aids.

Duties of the Research Expert

Duties of the Research Expert Include:

1. Preparing an annual report on the research activities of the faculty and departments.
2. Carrying out the matters related to elevate, promotion, and special credit of faculty members.
3. Preparing a research outputs portfolio of faculty members.
4. Doing research for doctoral students.
5. Doing post-doctoral affairs.
6. Doing things related to participating in students' internal scientific conferences.
7. Carrying out the matters related to participating in scientific conferences abroad by postgraduate students.
8. Doing things related to participating in research opportunities abroad by doctoral students and faculty members.
9. Collaborating in collecting student's research information.
10. Arranging administrative letters and other matters in order to see or issue the necessary order by the Vice-chancellor for Research.
11. Separating and distributing the letters based on their reference, controlling the appendices and attachments, and doing necessary follow-ups.
12. Carrying out the matters related to archiving the letters, relevant records, and attachments based on the relevant official's opinion in such a way that they are easily accessible.
13. Arranging contacts, communications, and meetings of the Office of Research Affairs, as well as providing the necessary facilities.
14. Pursuing the affairs related to duplication and type of administrative letters and other necessary items of the Office of Research Affairs.
15. Preparing and drafting the letters of the Office of Research Affairs.
16. Matching the typed content with the original version and correcting them carefully.
17. Predicting and requesting the requirements of the field and pursuing them based on the relevant official's opinion.
18. Guiding the clients and establishing the necessary communication with officials (management and affiliated units) in a desirable and appropriate manner.
19. Preparing and submitting reports of activities performed and problems to the Office of Research Affairs.
20. Doing other things assigned within the framework of tasks.

Duties of the Office Manager in the Faculty and Departments

Duties of the Office Manager in the Faculty and Departments:

1. Coordinating all group activities with the coordination of the head of the Department.
2. Coordinating the organization of the meetings inside and outside the departments and contacting other institutions and bodies inside and outside the university with coordination of the head of the Department.
3. Organizing and coordinating the schedule of meetings, conferences, arranging the list of meeting applicants, and determining the appropriate time for holding meetings.
4. Preparing and arranging the necessary reports about important daily topics and events to be presented to the head of the Department.
5. Communicating department correspondence to instructors.
6. Documenting and preparing records related to all of the activities and correspondence of the Department in a regular and systematic manner and keeping all of the files up to date.
7. Taking necessary measures for receiving, registering, distributing, maintaining, and archiving letters, files, and other relevant documents.
8. Preparing ordinary administrative letters to send.
9. Typing the names, reports, and forms required by the Department.
10. Collaborating with the training unit on registration days and during the exams.
11. Registering the courses in the Golestan system.
12. Supporting the classes and virtual conferences.
13. Enrolling the students in the Golestan system for master, doctoral, and project defense.
14. Guiding the students to enroll and graduate.
15. Preparing a course adaptation form for guest students and sending it to the training unit.
16. Typing declarations and announcements of the Department and installing them on the board.
17. Coordinating and holding department introductions for new entrants.
18. Carrying out other matters related to the coordination of the head of the Department.

Duties of the Library Expert

Duties of the Library Experts Include:

1. Preparing the books, journals, and publications required by the Faculty for the use of students, faculty members, and staff.
2. Lending the books to faculty members, students, and Faculty staff.
3. Preparing a list of names and specifications of the latest books and scientific journals required by the Faculty and submitting it to the Office of Research Affairs in the Faculty in order to issue a purchased license.
4. Applying scientific methods of librarianship in the library.
5. Implementing the instructions issued by the Central Library of the University.
6. Providing settlement to graduate students.
7. Providing a study hall for students.
8. Preparing a report on the activities performed to present to the Office of Research Affairs in the university.

Duties of the Head of the Secretariat

Duties of the Head of the Secretariat Include:

1. Doing all of the works related to the secretariat.
2. Doing all of the works related to instructors' tuition at the end of each semester.
3. Doing the correspondence related to doctoral students as a Vice-chancellor for Research.
4. Doing all of the works related to students.
5. Assigning class numbers and class schedules at the beginning of each semester.
6. Attendance of classes during the semester.
7. Supporting for virtual classes and conferences.

Chapter 5: Regulations and Instructions

1. **Educational Regulations and Instructions**

2. **Research Regulations and Instructions**

3. **Methodology for Providing Basic Lessons**

4. **Instructions for Integrating the Method of Addressing Research Outputs**

Educational Regulations and Instructions

Rules and Instructions for the Final Exams:

1. Instructions for checking absence at the final exams for students in all academic levels at this university.

Educational Regulations and Instructions for Bachelor's Degree:

1. Educational regulations for continuous bachelor's degree for entrants in 2018 and beyond.

2. Executive instructions of educational regulations for the continuous bachelor's degree for entrants during 2014-2017.

Educational Regulations and Instructions for Master's Degree:

1. Educational regulations for discrete master's degree for entrants in 2018 and beyond.

2. Educational regulations for discrete master's degree for entrants during 2015-2017.

3. Executive instructions of educational regulations for the discrete master's degree for entrants during 2015-2017.

4. Appendix to part of Article 22 of regulations for discrete master's degree for entrants in 2018 and beyond.

5. Appendix to Article 12 of educational regulations for discrete master's degree for entrants in 2018 and beyond.

Educational Regulations and Instructions for Doctorate:

1. Educational regulations for doctorate for entrants in 2018 and beyond.

2. Educational regulations for doctorate for entrants in 2016 and 2017.

3. Educational regulations and executive instructions for doctorate for entrants in 2016 and 2017.

4. Amendment to the condition of entering the university for specialized doctoral students approved by the University Educational Council.

Regulations and Instructions for Visiting and Transferring the Students From this University to Other Ones:

1. Terms and conditions of visiting and transferring the students to other universities in the academic year of 2020-2021.

2. Terms and conditions of introducing the students in this university to other ones as a full visitor.

3. Regulations for visiting and transferring the bachelor's degree students since 2013.

Educational Instructions for Using Golestan Educational Software:

1. Guide to take class.

2. Guide for eliminating semesters and study leave for students.

Educational Forms:

1. Guide to take class.

2. Single course visit application form.

3. Full visit application form.

4. Special grade certificate form for PhD admission candidates through admission regulations without exceptional talent test.

5. Transfer application form and transfer with change of field.

Research Regulations and Instructions

Doctoral Research Regulations:

1. Conditions for exemption from paying extra tuition for doctoral students by accepting the article.

2. Instructions for announcing the adequacy of research achievements for doctoral students in 1981.

3. Executive instructions for the doctoral course regulations for entrants in 2011 and beyond.

4. Tuition discount instructions for students subject to exemption from years of payment.

5. Instructions for publishing an article taken from a doctoral student's dissertation in a reputable journals.

6. Procedures for forming and tasks of the journal validation working group.

7. Procedure for updating the list of white journals.

8. Method of entering the names and addresses of the authors in articles related to the adequacy.

Validation of Journals:

1. List of Top journals.

2. List of white journals.

3. Publications and invalid journals.

4. List of fake journals.

5. Portal of scientific-research journals in the country.

Regulations Related to the University Scientific Publishing Center:

1. Regulations related to books.

2. Regulations related to journals.

Research Special Credit Regulations:

1. Special credit regulations in 2020.
2. Special credit executive regulations.

Articles and Book Encouragement Regulations:

1. Regulations encouraging book creators.
2. Regulations for encouraging journal authors.

Regulations for Internal Research Projects:

1. Procedure for organizing the activities of contract faculty members.
2. Personnel costs and total credit of internal research projects.
3. Guide to compile and write the final report for the intra-organizational plan.
4. Instructions for equivalence of hours in research plan related to faculty members.
5. Regulations of intra-organizational research projects (related to research projects before 2012).
6. Executive instruction of intra-organizational research projects (related to research projects before 2012).

Research Opportunity Regulations:

1. Research opportunity regulations.
2. Executive style guide for research opportunity.
3. Currency allowance table for research opportunity.

Postdoctoral Regulations:

1. Postdoctoral regulations.
2. Executive style guide for postdoctoral regulations.
3. Instructions for supporting postdoctoral courses.

Other Regulations:

1. Regulations for the executive instructions of the research missions in Shahid Beheshti University.

2. Regulations for scientific conferences in 2018.

3. Universal scientific map of the country.

4. Style guide for appreciation of university researchers.

5. Executive instructions for publications.

6. Instructions for determining the method of duplicating print and electronic dissertations.

7. Regulations for determining the validity of scientific journals in the country.

8. Regulations for admission of dependent members from outside and inside the university.

9. Process of determining student admission capacity in each academic year.

10. BIT regulations.

11. Regulations for scientific poles.

12. Regulations for honoring the chosen ones of research and technology in 2015.

13. Regulations for the method of establishing knowledge enterprises.

14. Regulations for promotion of faculty members in governmental and non-governmental higher education institutions of research and technology.

Regulations for Research in Ethics:

1. Instructions for the method of investigating research violations and examples of research violations.

2. Charter and standards of research ethics.

3. Law on prevention and combating fraud in the preparation of scientific works.

4. Instructions for executive regulations for prevention law of Article 5.

5. Executive regulations for law on prevention and combating fraud in preparing the scientific works.

Regulations and Bylaws of Insurance and Tax in Research Cooperation with Industry:

1. Enactment of the Council of Ministers regarding the exemption of research services from value-added tax (VAT).

2. Method of computing the insurance of research contracts.

3. Law amending the rule of direct taxes.

4. Regulations for guaranteeing the government transaction.

5. Order of authority.

6. Description for public service of contracts.

7. National ID of university.

8. Law of tenders.

9. Economic code.

10. Transaction code.

11. Certificate of competence.

12. Letter of the Ministry of Science regarding transaction guarantee.

13. Table of indicators for determining the overhead of extra-organizational contracts.

14. Flowchart of conducting extra-organizational research agreements.

15. Overhead enactment.

Style Guide of Presenting Basic Courses

Introduction:

In order to improve the quality of education, Department of Mathematics intends to offer all of the basic courses of bachelor's degree for university units in a centralized manner and with the cooperation of teaching assistants.

Article 1- Definitions:

University: Shahid Beheshti University.

Faculty: Faculty of Mathematics Science.

Unit: Faculty, research institute or center.

Department: one of Departments of Statistics, Actuarial Science, Mathematics, Applied Mathematics, and Computer and Data Sciences.

Basic Courses: Mathematics courses which students of some university units are required to choose. These courses are offered to increase scientific strength and prepare the students for a better understanding of specialized courses.

Instructor: Faculty member who teaches the basic course.

Teaching Assistant: A doctoral graduate, a doctoral student, or a master's degree student of university to assist in teaching under the supervision of a course instructor, subject to the criteria set forth in this style guide.

Supervisor of Teaching Assistants: A doctoral graduate or university student who is responsible for guiding and supervising a number of teaching assistants in the basic course under the supervision of the instructor, which is subject to the criteria set out in this style guide.

Assistant: Teaching assistants or heads of teaching assistants.

Article 2- Requirements of Instructor:

1. The instructor should be among the faculty members in the Faculty of Mathematical Sciences or approved by the Faculty Council.

2. It is recommended that the average grade point of the basic course offered by the selected instructor be higher than 17 during the last three years. In any case, in selecting an instructor by the Faculty Council, priority is given to those whose average grade point is higher than other instructors.

Article 3- Duties of Instructor:

1. Providing the course for students, which is presented in the classroom or hall when the appropriate space is provided, otherwise the course is presented online or offline and is recorded by the instructor and provided to the students.

2. The instructor is responsible for guiding the teaching assistants and their supervisors.

3. Each week, the instructor is required to provide exercises for the students.

Article 4- Necessary Conditions for Presenting and Evaluating the Course:

1. The number of students in each classroom is a maximum of 150 people.

2. One teaching assistant can be nominated by the instructor or department for every 30 undergraduate students.

3. One supervisor can be introduced by the instructor or department for every five teaching assistants.

4. The course is evaluated based on classroom activities, delivery exercises, as well as midterm and final exams:

   - Class activities and delivery exercises: 20 to 25% of the final score.

   - Midterm exam: 25 to 35% of the final score.

   - Final exam: 40 to 55% of the final score.

Article 5- Requirements of Assistant:

1. The assistant should be a doctoral graduate or student who has passed the comprehensive examination.

2. The Department can use second-year postgraduate students who are among the top 25% of the entry based on average when there are not enough doctoral or graduate students for a basic course.

Article 6- Duties of Assistant:

1. The assistant should only have the role of troubleshooting and solving the exercise.

2. The assistant cannot teach instead of the instructor and determine the standard grade of the course.

3. The assistant should have a good academic and moral status.

4. The assistant should provide a certificate of participation in a special workshop for teaching assistants to the Office of Academic Affairs in the university.

5. Using the assistant does not provide any obligation for employment in the university.

Article 7- Duties of teaching Assistant:

1. Holding practice solving and troubleshooting classes.

2. Cooperating in holding exam sessions.

3. Correcting the tasks.

4. Collaborating with the instructor in correcting the exams.

5. Types of content preparation.

6. Preparing activity reports in each semester.

Article 8- Duties of supervisor of Teaching Assistants:

1. Providing reports of classes to the instructor.

2. Holding a joint meeting with teaching assistants for coordination.

3. Coordinating with the IT expert of the Faculty to upload the contents and exercises of the course.

4. Holding practice solving and troubleshooting classes in case of absence of teaching assistant.

5. Cooperating in holding exam sessions.

6. Correcting the tasks.

7. Collaborating with the instructor in correcting the exams.

8. Types of content preparation.

9. Preparing activity reports in each semester.

Article 9- Wage:

1. The number of units intended for the instructor's wage is determined in proportion to the number of course units and a coefficient based on the number of students and in accordance with the teaching rules of the university. In addition, the number of units considered before applying the coefficient for General Mathematics 1, General Mathematics 2, and Differential Equations is determined as follows:

   - Each of the general mathematics courses is offered in 4 credits for all of the technical and engineering students and the fields of mathematics and physics. The number of credits intended for students of non-mathematical disciplines is 3 credits.

   - The course of differential equations is offered in 4 credits although it is 3 credits for all of the university students.

2. Classes of less than 60 people are not assigned a supervisor of teaching assistants and the instructor is responsible for coordinating the assistants. In addition, the instructor's wage is determined in accordance with the teaching rules of the university.

3. The supervisor's presence is required for classes of more than 60 people.

4. The wage for the instructor and the supervisor of teaching assistants are 3 and 1 credits, respectively, for classes of more than 60 people.

5. The instructor's wage does not change when the supervisor of the teaching assistants is a doctoral student. However, the wage of the supervisor of the teaching assistants is considered in accordance with that of the teaching assistants.

6. The wage of the teaching assistants is equal to the hourly rate according to the university regulations.

7. No wage is paid to the teaching assistant when he/she avoids performing the activities and obligations which are incumbent on him/her without a valid excuse (The Faculty/Department recognize a justified excuse).

8. Payment of the wage is subject to the submission of the Faculty/Department report and the approval of the instructor.

Article 10- Monitor:

1. The Office of Academic Affairs in the university is responsible for monitoring the assistants' activities.

This style guide was approved in the Council of Faculty of Mathematical Sciences in 10 articles in July 27, 2020. In addition, the university board of directors approved the amount of wage for general mathematics courses 1 and 2 and differential equations course in August 4, 2020.

Instructions for Integrating the Method of Addressing Research Outputs

This instruction has been developed to integrate addressing in research outputs (articles, inventions, designs, and the like). In addressing research outputs, indicating the name of the unit is necessary, while mentioning the name of the Department is optional except for Faculty of Chemical and Petroleum Sciences and Faculty of Nuclear Engineering in both cases. The name of the unit and department mentioned in the research outputs should be in accordance with the attached table and the English address of the units and departments as follows:

English name of the Department, English name of the unit, Shahid Beheshti University, Tehran, Iran

For example:

Department of Islamic Law, Faculty of Law, Shahid Beheshti University, Tehran, Iran

In addition, mentioning A.C. or G.C. should be avoided from now on. Further, the postal code of 1983969411 can be used after the name of the university when required by the publication. It is worth noting that the post office box should not be indicated because the university does not have such a box.

Faculty of Mathematical Sciences

Name of Departments:

Department of Mathematics

Department of Applied Mathematics

Department of Statistics

Department of Actuarial Science

Department of Computer and Data Sciences

Chapter 6: Ethical Charters

1. **Charter for Professional Ethics of Faculty Members**

2. **Ethical Charter of Staff**

3. **Ethical Charter of Students**

Charter for Professional Ethics of Faculty Members

Holy Prophet (PBUH): I was inspired to complete moral virtues.

With the help of the God Almighty, who is the foundation of human morality, the instructors in the Faculty of Mathematical Sciences recognize their special responsibility and consider themselves obliged to comply with it with a strong belief in the value and dignity of knowledge in society and the mission of academics in education, production, and dissemination of science, technology and knowledge, and its impact on future formation. They consider God Almighty as the highest supervisor of their actions and are committed to educate the students in a healthy and lively environment while honoring them. The instructors in the Faculty of Mathematical Sciences do their best to improve their knowledge and scientific and cultural level, use the constructive experiences available in the university well, and strive to spread knowledge. They never hinder education, research, and investigation by their personal interests and consider themselves responsible to society and their fellows.

Educational and Cultural Ethics	
Encouraging the students in training and increasing their self-confidence.	Awareness and adherence to educational regulations.
Avoiding any exploitation, harassment, discriminatory behavior, and communication outside the scope of the instructor and the student or with the humiliation of the student.	Paying attention to the educational dimensions of students, educating them, and trying to honor and communicate with them sincerely.
Paying attention to students' educational needs and their feedback.	Recognizing and guiding the students' talents.
Regular and effective attendance at classes and availability and allocation of appropriate time for troubleshooting.	Articulating the educational goals clearly and having a written course plan.
Informing appropriately including course topics, resources, and the method of evaluating.	Paying attention to innovation in teaching and using the technology effectively.
Adhering to and updating the course topics.	Managing and leading the class appropriately.
Avoiding having to compile an article and translating a book and assign a part of the grade to it.	Avoiding assigning content teaching to students.
The appropriateness of the exam questions with the teaching materials and their variety.	Evaluating continuously and observing justice and fairness in evaluation.

Research Ethics	
Paying attention to the principle of authenticity and effectiveness of research.	Awareness and adherence to regulations and instructions of research ethics.
Paying attention to the current issues and challenges of society and industry.	Seriousness and scientific accuracy in conducting research.
Accepting responsibility for research works and achievements.	Avoiding haste and simplification of research.
Respecting for intellectual property rights.	Integrity in conducting research and presenting findings.
Having a purposeful research program and preferably in line with the university scientific program.	Respecting for research, investigation, and other scientific activities of colleagues and non-discrimination between them.
Evaluating the dissertations and theses fairly.	Allocating enough time and providing appropriate and timely feedback to the students during assessing the dissertation and thesis.

Organizational Ethics	
Confidentiality and protection of information in the field of work.	Commitment to the values, goals, programs, and rules of the university.
Adjusting the curricula of each semester with the opinion of the Department and the Faculty and following the programs and needs of the Faculty.	Performing at least 40 hours of high-quality and useful work per week, according to the standards and instructions.
Announcing the weekly attendance schedule at the university, determining the time for students to refer, and performing the duties of an advisor.	Attending at the university effectively, actively, and timely in order to organize classes regularly, hold exams, and present grades on time.
Interacting with colleagues professionally and respect for their rights.	Attending councils, committees, and group meetings based on standards.
Preferring collective interests over individual ones.	Strengthening the spirit of teamwork and collective wisdom.
Attempting to grow organizational culture.	Protecting university property.

Social Ethics		
Respecting for social norms.	Commitment to the cultural development of society.	Maintaining the professional status and position in social interactions.

Ethical Charter of Staff

Holy Prophet (PBUH): One is like one who serves God for life if he/she helps others.

We thank God the Merciful and the Compassionate for providing the success of serving in the sacred environment of the university, which includes serving the best of society in addition to earning a lawful living. In this sacred environment, as the personnel of the Faculty of Mathematical Sciences in Shahid Beheshti University, we consider ourselves committed to compassionate service to students, volunteers, and clients, respect their human dignity, consider obtaining divine satisfaction and acting within the framework of the regulation as a religious and organizational duty, and commit ourselves to observe the following principles:

Ethics of Staff	
Honesty in behavior and speech.	Awareness and adherence to regulations related to the field of work.
Maintaining peace in the work environment.	Identifying weaknesses and attempting to fix and improve performance.
Avoiding slander, gossip, lies, and rumors.	Strengthening the spirit of teamwork, collective wisdom, and organizational cohesion.
Observing respect, dignity, and good interaction with others.	Avoiding any request or demand outside the regulation.
Observing administrative hierarchy in doing affairs.	Observing work discipline, punctuality, and accountability.
Confidentiality and protection of workplace information.	Creativity and innovation to increase productivity.
Using the resources and facilities optimally in accordance with the principle of saving.	Explaining and promoting the achievements of the university in the national and international arena.
Assisting other colleagues while respecting each other's privacy.	Paying attention to criticisms and suggestions and strengthening the spirit of accepting critique.
Increasing job knowledge and skills and promoting organizational culture and behavior.	Observing justice and fairness in providing services to students, colleagues, and clients without discrimination.
Paying attention to mental and physical health with emphasis on sport activities.	Honoring the client and the students and doing their works in the shortest possible time.

Ethical Charter of Students

> **Holy Prophet (PBUH): The good of this world and the hereafter is with knowledge and the evil of this world and the hereafter is with ignorance**

The Faculty of Mathematical Sciences is among the top faculties in the country with more than fifty years old. The Faculty of Mathematical Sciences aims to provide a platform for the student's scientific growth and development in which they spend the best period of their lives. To this aim, dear students should observe the following characteristics:

General and Academic Ethics	
Respecting the dignity of Shahid Beheshti University and maintaining its reputation.	Considering God as the highest observer in all of the activities.
Observing university rules.	Honesty in speech and behavior.
Maintaining the spirituality of the university environment.	Having the spirit of interaction.
Using the resources and facilities of the university optimally.	Observing politeness in speech and behavior.
Avoiding slander, gossip, lies, and rumors.	Having the spirit of search and truth-seeking.
Using a dress that is neat and appropriate to Islamic culture.	Strengthening confidence and self-esteem.
Observing respect, dignity, and goodwill in interaction with others.	Respecting student dignity in the university and society.

Educational and Research Ethics	
Awareness and adherence to educational and research regulations.	Attending in classes regularly and on time.
Awareness and adherence to the regulations of research ethics.	Avoiding activities that disrupt class order.
Pursuing students' legitimate demands while observing the rules.	Aligning with the instructor's syllabus and course plan.
Observing accuracy and commitment in answering evaluation questions.	A sense of responsibility for community issues.
Commitment to respect the material and intellectual rights of research colleagues.	Attempting to conduct applied research in the community.

Chapter 7: Strategic Program of the University

1. **Perspective in the Faculty of Mathematical Sciences**

2. **Strategic Program in Department of Statistics**

3. **Strategic Program in Department of Actuarial Science**

4. **Strategic Program in Department of Mathematics**

5. **Strategic Program in Department of Applied Mathematics**

6. **Strategic Program in Department of Computer and Data Sciences**

Perspective in the Faculty of Mathematical Sciences

Faculty of Mathematical Sciences in Shahid Beheshti University will be:

1. Leading and having a superior position in education, research, and publication of mathematical sciences in national, regional, and international arenas
2. Influential in shaping the future
3. Excellent reference for responding to scientific and practical education and research needs in the field of mathematical sciences
4. Provider of solutions to complex societal problems related to the field of mathematical science.
5. The first selection of the best talents and trainers of expert, creative, committed, innovative, and entrepreneurial manpower.

Some Important Goals for Next 3-5 Years to Achieve the Perspective

Recruiting Prominent Faculty Members	Developing the Building of the Faculty
Holding National and International Webinars	Using the Teaching and Research Assistants Optimally
Creating Educational-Research Hubs	Completing and Updating the University Website
Promoting the Faculty Members' Pyramid	Holding General and Specified Speeches Continuously
Encouraging to Use Research Opportunities	Encouraging Short and Long Term Scientific Trips
Exchanging Domestic and International Faculty Members	Equipping the Library
Implementing New Curricula	Strengthening Computer Sites

Holding Extracurricular Courses

Strategic Program in Department of Statistics

Perspective Statement in Department of Statistics

Department of Statistics in Shahid Beheshti University will be a leading team with a top position in the production, training, and dissemination of statistics in national and regional arenas, influential in shaping the future of statistics, an excellent reference to meet the scientific, educational, and research needs in the field of statistics, and provide solutions to complex problems of the society using statistics, the first selection of the top talents, and trainer of creative, innovative, professional, and efficient statisticians.

Strategic Goals in Department of Statistics

1. Improving the Quality of Education in Department of Statistics Continuously

According to the perspective, improving the quality of education, as the most important mission of the Department of Statistics, is among the basic requirements for gaining a top position among Departments of Statistics in the country and the region. Conforming to international education standards, attempting to use up-to-date technologies and educational methods, improving education infrastructure, establishing order in the creation and implementation of educational programs, and the like improve the quality of education and attract talented national and international students, which can be considered in this strategy.

2. Developing and Empowering the Faculty Members in the Department of Statistics and Realizing their Maximum Potential

Given the set of strengths and weaknesses and opportunities and threats, the Department of Statistics should have an appropriate strategy in the field of faculty members to be able to use their strength and capacity efficiently by focusing on attracting, strengthening, and retraining, as well as providing the conditions. This strategy aims to improve the quality level of scientific and professional abilities among the faculty members in the Department and create and develop an appropriate physical and mental environment for them.

3. Continuous Organization (Eliminating, Creating, Modifying, and Combining) of Disciplines in the Department of Statistics

Considering the form of supply and demand in the knowledge of statistics in the community, it can be argued that organizing the field of statistics and its subdisciplines in different educational levels is one of the important strategies in the Department of Statistics in achieving the perspective. This organization includes the study of scientific developments in the world, the continuous monitoring of which can be the headline of new trends and specializations, and shows the trend of current and future needs and requirements of society. Considering these two factors means examining both sides of the supply and demand in the discipline of statistics.

4. Maximum Use of Students' Capacity

Students are among the most important assets in the Department of Statistics, whose potential can be used in the form of activities in scientific associations, student work, and teaching and research assistants to get closer to the future perspective.

5. Developing Statistical Research Market

The strategy for developing a statistical research market aims to open new markets of research on the Department of Statistics and improve the management of relationships with current and former customers. In addition, this strategy seeks to increase the share of the Department of Statistics in research projects (with emphasis on national research projects and large-scale national projects such as major projects in the Ministry of Science, Research, and Technology)), extend the share of international joint research projects, expand the share of basic research and development from university research credits, and the like. For example, the Department of Statistics can create the best environment for promoting research and increasing the productivity of the science, technology, and knowledge production process by providing formal and informal ground for communication with the research market, taking advantage of market opportunities through faculty members/retirees' communication with other large institutions and organizations, effective and active marketing, and activating alumni associations to use the opportunity of communication with outside of the university, promoting the scientific and research collaborations, as well as providing an appropriate platform for the dissemination and exchange of knowledge and technology achievements.

6. Guiding the Research in Department of Statistics Towards Solving the Problems and Meeting the Real Needs of Society

Department of Statistics should make more efforts to direct its research towards meeting the real needs of society and solving its basic problems, which is achieved by the attempt to be the forefront and up-to-date on the main issues and challenges of the country, and guide the research in that direction. Success in this field requires many factors including the need for an independent organizations to identify statistical research priorities, division of labor between different specialties of the Department, aggregation of research achievements to provide an integrated solution, and policy-making to promote coordination and synergy between different specialties. The most important results of this strategy include an increase in the share of problem-based research with emphasis on the production of new science and technology, expanding the share of applied and problem-oriented dissertations and theses, and extending the share of demand-driven research in research activities of the Department of Statistics.

7. Environmental Improvement (Including a Set of Continuous Activities) to Increase Productivity and Maximize the Use of Existing Research Facilities

Department of Statistics in Shahid Beheshti University should focus all of its efforts and programs on using the existing research capacities in an optimal and maximum way, which include financial capacities, manpower, communications, as well as physical facilities and equipment.

8. Creating and Maintaining Competitive Power in Providing Specialized Services and its Agility

This strategy aims to create, develop, maintain, and optimize long-term relationships with customers and use current relationships with actual customers to maximize the growth of revenues from specialized services. In addition, this strategy seeks to improve the quality of services, diversify the type and the method of presenting them, as well as carry out missions and finance the Department with the approach of developing a specialized services market.

Lack of agility in support by the Department of Statistics in Shahid Beheshti University in education has its own examples and consequences, and can have adverse effects on the research process and sometimes on its results in the field of

research. In addition, in providing specialized services, favorable support can have a direct and positive impact on competition. Being agile in providing support services means that the requested services are provided at a time very close to the time of request and with a quality similar to what the applicant expects in order to increase the productivity in providing support services with an agility-based approach.

9. Adopting a Holistic Strategy in Policy-Making, Planning, and Implementing Skill Programs for Department of Statistics in Shahid Beheshti University

This strategy aims to develop a holistic policy package and program in developing skills for the Department of Statistics in Shahid Beheshti University, which considers the promotion of a science-based culture, professionalism, spreading the spirit of humility, and scientific self-esteem in the Department by emphasizing elevating rationality level, increasing individual and social skills, and encouraging the spirit of innovation and entrepreneurship.

Strategic Program in Department of Actuarial Science

Perspective Statement in Department of Actuarial Science will be:

1. Leading and having a superior position in education, research, and publication of Actuarial Science in national, regional, and international arenas.

2. Influential in shaping the future.

3. Excellent reference for responding to scientific and practical education and research needs in the field of Actuarial Science.

4. Provide solutions to complex societal problems related to the field of Actuarial Science.

5. The first selection of the best talents and trainers of expert, creative, committed, innovative, and entrepreneurial manpower.

Strategic Goals in Department of Actuarial Science

1. Improving the Quality of Education in the Department of Actuarial Science Continuously

According to the perspective, continuous improvement of educational quality is regarded as one of the basic requirements for gaining the top position. Department of Actuarial Science has always strived to train students who can solve society's problems in the field of insurance and finance. Thus, the Department of Actuarial Science, as the founder and the most important institution in this field, plays a significant role in growing and developing the science and training of expert manpower and should improve the process of its educational quality continuously by adapting to international standards of education, using new technologies and methods of education, improving educational infrastructure, creating a regular structure and mechanism in the implementation of educational programs, and compiling and reviewing the topics in educational materials in accordance with international standards and national needs in the insurance industry, along with scientific and educational developments in accordance with national and global needs and scales.

2. Developing and Empowering Faculty Members in the Department of Actuarial Science and Realizing their Maximum Potential

In order to further promote the Department of Actuarial Science and gain a special position in the national, regional, and international arenas, the faculty members in this educational institution should be developed and empowered. Attracting prominent young instructors and planning to benefit from their power and capacity are among the most important strategies in the Department of Actuarial Science. Department of Actuarial Science, as the most important institution in the field of science and training of experts in the field of Actuarial Science in the country, needs at least 3 faculty members in each of the subdisciplines of non-life insurance, life insurance, and stochastic modeling with applicability in stock and financial markets, while unfortunately, only 4 faculty members are working in this department now. Therefore, the Department of Actuarial Science should attract valuable forces in accordance with its needs, activities, and specialties by formulating an appropriate strategy to promote and expand the Department. In addition, providing a healthy atmosphere of cooperation, creating appropriate and advanced education and research facilities, preparing the physical space with vitality, along with strengthening the welfare and research facilities and retraining of the forces are among the most important issues which should be considered in the strategy of the Department.

3. Continuous Organization (Eliminating, Creating, Modifying, and Combining) of Subdisciplines in the Department of Actuarial Science

A large number of areas including the insurance industry, stock exchanges and banks, pension funds and social security and pension organizations, as well as the health and treatment sector, need to make effective use of this knowledge and profession in order to manage programs such as the social security system and treatment. In the current world, where change happens very fast and due to the new risks which should be confronted with creative ways, there are a large number of opportunities for the growth of personal and professional knowledge in the actuarial profession. Thus, the effective implementation and organization of the Actuarial Science discipline and its subdisciplines in MA and PhD, as well as attracting talented students from other disciplines is considered as one of the important strategies in the Department of Actuarial Science in Shahid Beheshti University in achieving this perspective.

In the first stage, this organization includes the study of scientific, educational, and research changes and developments in the world in the field of Actuarial Science, the continuous observation of which can determine the source of new subdisciplines and specialties for a certain department. Of course, the current and future needs and requirements of the country should be considered and met by presenting new subdisciplines and specialties or by modifying them, along with the global trend of emergence and elimination of subdisciplines and specialties. In addition, a curriculum of sub-courses (Actuarial Science minor) can be created by developing a curriculum for interested students who can be aware of the basis of other disciplines which interest them in addition to deep and specialized learning of their discipline to connect and synergize different fields of science and technology and the growth of interdisciplinary research and the needs of the labor market.

4. Maximum Use of the Capacities of the Students in the Department of Actuarial Science

Due to the widespread use of Actuarial Science and the needs of society, the Department of Actuarial Science was first established in the Department of Statistics in Shahid Beheshti University in 1993 with the title of Insurance Statistics by the efforts of Dr. Mohammad Reza Meshkani and Dr. Siamak Nourbaloochi. The first group of postgraduate students in the field began their studies in the semester of October 1993 and began their work independently at Shahid Beheshti University in October 2016. So far, the Department of Actuarial Science has trained and graduated 136 students in subdisciplines of non-life insurance, life insurance and finance. Due to the role and importance of the position of Actuarial profession, the qualitative growth of this field during two decades, the intention of training experts to analyze and study more complex scientific issues and models in the field of Actuarial Science, and identify and measure risk and its management, for the first time, the license for the doctoral course in the field of Actuarial Science was issued in 2017 and the first group of doctoral students in this field was admitted in October of the academic year of 2017-18.

Therefore, the students are among the most important assets in the Department of Actuarial Science, whose power can be utilized by the Department in the form of activities and projects of a universal risk lab in Shahid Beheshti University, student work, and holding various training workshops in the field of Actuarial Science, resulting in bringing the educational and research achievement closer to the future perspective.

5. Developing Research Market of Actuarial Science

In order to promote research and increase the productivity of science, technology, and knowledge production process, expand new research markets to the Department and implement national research projects, increase the share of basic and development research from university research credits through the strategy of "establishing the universal risk lab", Department of Actuarial Science uses the opportunity of communication with outside the university, promotion of scientific and research collaborations, as well as providing an appropriate platform for disseminating and exchanging knowledge and technology achievements, and strives to create the best environment for promoting research and increasing the productivity of the science, technology, and knowledge production process.

6. Directing the Research in Department of Actuarial Science Towards Solving the Problems and Meeting the Real Needs of the Society

Department of Actuarial Science has always tried to compile its MA and PhD dissertations based on meeting the real needs of the insurance industry and solving its basic problems. Achieving this perspective requires knowledge and awareness of the main issues and problems of the Actuarial profession in the country and being a leader in it.

In this regard, research priorities in the field of Actuarial Science are continuously identified and reviewed among the various specialties of the Department, and the achievements of the research are applied to provide an integrated solution and policy-making to promote coordination and synergy between different specialties.

It is noteworthy that interaction and cooperation with other faculties can be very useful in the effectiveness of the topics and their application since the topics related to Actuarial Science are interdisciplinary. In addition, the establishment of a universal risk lab contributes to this strategy. Applied projects are considered as the main field of activity in the risk lab and the instructors in the Department of Actuarial Science and the respected instructors of other universities who are experts in this lab can define their students' MA thesis or PhD dissertation in the form of one of the lab projects because the section for consulting, executing, and implementing the related projects is regarded as the most important and main section in this lab, leading to a further increase in the share of problem-oriented research with emphasis on the production of new science and technology, as well as

increasing in the share of applied and problem-oriented dissertations and these in the research activities in the Department of Actuarial Science.

7. Improving the Environment in Department of Actuarial Science (Including a Set of Continuous Activities) in Order to Increase Productivity and Make the Most of Existing Research Capacities

Department of Actuarial Science is always striving to provide a better and more efficient environment to promote research, increase the productivity of science, technology, and knowledge production process, and make better and more use of existing research capacities such as financial, manpower, communications, as well as physical facilities and equipment. Providing the ground for formal and informal communication with the market in the field of Actuarial Science, taking advantage of market opportunities through faculty members' connections with other institutions and large organizations in the field of Actuarial Science, effective and active marketing, establishment and operation of a universal risk lab and further cooperation with institutions and organizations active and related to the Actuarial Profession (including Central Insurance, Insurance Research Institute, Social Security and Pension Funds, Actuarial Society of Iran, and the like) to take advantage of the opportunity to communicate with outside the university, promote scientific and research cooperation, and provide an appropriate platform for dissemination and exchanging knowledge and technology achievements are among the programs in Department of Actuarial Science in this strategy.

8. Creating and Maintaining a Competitive Power in Providing Specialized Services in the Field of Actuarial Science

To achieve this strategy, the Department of Actuarial Science should focus all of its efforts and plans to gain a leading position in the field of Actuarial Science so that it can establish, develop, and maintain long-term relationships with customers. In addition, by improving the quality level, the scientific and professional capabilities of the Department can provide the basis for improving the quality of services and creating diversity in the type and manner of providing them and carrying out missions and financing the Department with a specialized service market development approach.

9. Adopting a Holistic Strategy in Decision-Making, Planning, and Implementing Cultural Programs for Department of Actuarial Science

Due to the needs of the society in the fields related to Actuarial Science, students are generally attracted to the labor market immediately after graduation, and even this happens during their student days due to the need for these forces. Department of Actuarial Science should improve its programs and policies continuously in accordance with international standards and the needs of the country in the insurance industry so that it can improve the level of rationality, individual and social skills, innovation and entrepreneurship spirit of students and can always act as the top training center for expert, creative, humble, committed, innovative, and entrepreneurial manpower in the field of Actuarial Science.

Strategic Program in Department of Mathematics

Perspective Statement in Department of Mathematics

1. Achieving a superior position among Departments of Mathematics in the country in education, research, and publishing mathematics in national, regional, and international arenas.

2. Influencing on target definition for the future of mathematics in the country.

3. Obtaining the title of an excellent reference in responding to the scientific, educational, and research needs of mathematics in the country.

4. Identifying and solving the problems related to mathematics in society.

5. Becoming the first choice for the top talents in all of the specialized branches in the Department, training expert, creative, committed, innovative, and entrepreneurial manpower in all of the undergraduate and postgraduate courses.

Strategic Goals in Department of Mathematics

1. **Improving up-to-date Specialized Capabilities Among Faculty Members in the Department**

   Department of Mathematics aims to do this in a variety of ways including encouraging members to take advantage of short-term research opportunities, trying to facilitate the hosting of local and foreign experts in the Department, holding scientific and educational workshops by inviting national and international experts (in various face-to-face and virtual methods), and holding regular and purposeful weekly lectures and meetings for the members in the Department.

2. **Targeted Recruitment of Expert Faculty Members**

   Department of Mathematics pursues at least two important goals in this regard including recruiting staff who have a higher ability to provide service courses at the university level and recruiting staff who are among the best in

the branches required by the Department both in terms of education and research. The latter is done in line with the internal vision document in the Department of Mathematics.

3. **Recruiting Talented Students and Interested in Mathematics in Different Levels from BA to PhD**

   To this aim, the Department of Mathematics uses various methods such as field advertising, site design, and Instagram, periodic hosting for good school students and undergraduate students in good universities, defining continuous courses from BA to MA, from BA to PhD, and from MA to PhD.

4. **Defining and Creating Interdisciplinary Branches at All Levels with Prospective Goals for the Labor Market and for Solving Future Problems of Other Theoretical Sciences such as Physics, Computer Sciences, and the Like**

   Department of Mathematics aims to improve the quality and efficiency of its graduates continuously due to the serious concerns of the colleagues in the Department. In this regard, Department tries to recruit more and better students both in the labor market and in the academic body by reviewing the existing courses, defining appropriate minors, and defining new interdisciplinary branches.

5. **Raising the Quality Level of Education to Different Levels**

   Department seeks to achieve this goal by holding various courses and workshops for faculty members, using new educational technologies, and upgrading educational hardware in the Faculty.

6. **Raising the Quantitative and Qualitative Level of Faculty Members' Research**

   Department aims to achieve this goal by establishing up-to-date research centers, holding 7 to 15-day research meetings between semesters, supporting or short and long-term scientific trips of faculty members and their doctoral students, holding regular weekly lectures by instructors and doctoral students, and inviting local and foreign experts to do joint scientific work.

7. Identifying Outstanding Students in the Current Courses of the Department and Guiding them to Continue their Studies in the Department

Considering the need not to lose talented students of each course and encouraging them to take higher courses in the same Department, the Department of Mathematics aims to guide this group of students to continue their studies in this Department by properly guiding them, creating incentives, and defining special courses and courses.

8. Creating Problem-Solving Workshops to Strengthen Students' Academic Strength and Teach them Teamwork and Research

In order to strengthen the graduates' abilities in the Department, the Department of Mathematics has followed programs during the recent years, leading to good results in domestic and foreign scientific competitions. Efforts will be made to address this issue more seriously.

9. Improving the Level of General and Professional Abilities Among Postgraduate Students

Department aims to improve the general and scientific level of its postgraduate students by defining lessons, holding training workshops to familiarize them professionally with Internet search skills and standards, preparing reports and articles, lecturing, holding and participating in virtual (electronic) programs, as well as training the method of teaching and solving exercises.

10. Establishing Relations with University Research Institutes and the Research Centers in the Country in Order to Use the Abilities of the Faculty Members of the Department to Solve the up-to-date Problems in the Society and the World

In order to make more use of its member's abilities, the Department of Mathematics seeks to get acquainted with their plans and goals, interact with them, and define the applicable and useful plans by holding meetings with successful university research institutes and research centers outside the university.

11. Establishing Specialized Labs

Department of Mathematics aims to establish specialized labs in a scientific environment in order to expand and improve the quality of research and create a ground for cooperation between doctoral students, postdoctoral students, and faculty members of other universities in the country. With the useful experience of the Faculty of Mathematical Sciences in this regard, the Department of Mathematics seeks to achieve this goal to the desired extent.

12. Launching Joint Courses with Domestic and Foreign Universities

With the experience in holding these courses and considering the impact of such activities in improving the quality of research, the Department of Mathematics aims to deepen its international activities.

13. Increasing Research Projects Inside and Outside the University

Although in essence, the Department of Mathematics, as a department of basic sciences, can be expected to be as active as possible in the industry and applied projects outside the university. However, the Department of Mathematics aims to attract projects and basic domestic and foreign research institutes from institutions as before and perhaps more prominently.

14. Increasing the Publication of Influential Books by Faculty Members

Department of Mathematics, as a scientific, educational, and research reference in the country, seeks to be more and more involved in compiling reference books at the undergraduate level and in writing specialized books at the postgraduate level for optimal impact on the mathematical community in the country.

15. Increasing Scientific Poles in the Department of Mathematics

Given the successful experience of the Department of Mathematics in establishing and maintaining such poles, the Department aims to replicate this experience in other specialized areas existing in the Department.

Strategic Program in Department of Applied Mathematics

Perspective Statement in Department of Applied Mathematic

Relying on available facilities, the ability of its faculty members, and creating extensive and effective communication with industry and society, the Department of Applied Mathematics in Shahid Beheshti University includes subdisciplines of data science, numerical analysis, differential equations and dynamical systems, graphs and Combinatorics, optimization and mathematical education, and is active especially in postgraduate courses, aims to act during the next five years in such a way that:

1. It can reach a superior position in applied mathematics research and education in national and international areas.

2. It can advance the boundaries in applied mathematics.

3. It can be an excellent reference to meet the scientific and practical education and research needs of the country in the fields of applied mathematics.

4. It can suggest innovative and knowledge-based solutions for complex problems related to applied mathematics.

5. It can recruit the best professionals in the field of applied mathematics and use them for the strategic goals in the Department.

6. It can recruit the best young talents at all levels of education and serve the community by using them as creative, innovative, and professional forces in the field of applied mathematics.

Strategic Goals in Department of Applied Mathematics

1. **Improving the Educational Quality Continuously and Using Digital Cyberspace Capacities for Education**

   Proper and high-quality education is regarded as the basis and prerequisite of any in-depth research work and the application of theoretical results in solving real and complex problems in the world. Considering the determined

perspective and believing in the irreplaceable importance of education, the Department of Applied Mathematics uses all of the power and facilities among its faculty members to move towards a new educational space. In this space, using cyberspace capacities and new technologies plays a significant role. In addition, the Department focuses on teaching theoretical foundations and transferring operational skills to students equally by applying modern theories of mathematical education and utilizing various facilities of cyberspace and field operations, and the participation of postgraduate students in real projects when necessary. Further, creating virtual courses for general audiences outside the university is considered.

2. Developing and Strengthening Faculty Members in the Department and Using their Maximum Power

Department of Applied Mathematics should strengthen it and be up-to-date and efficient in all of the fields, especially in data science. Department of Applied Mathematics is considered as the first mathematical department in the country, which has launched a MA course in data science in 2018. This Department should strengthen its education and research, and consolidate its connection with the rapidly flourished world of data science at the level of community issues.

Fortunately, Shahid Beheshti University is regarded as the oldest and main reference for this branch in the country in the field of mathematical education. However, it should be strengthened and new capable forces are recruited due to the existence of only one veteran and prominent member in this field. In addition, areas such as bio-mathematics, financial mathematics, mathematical modeling of petroleum problems, optimization, image processing, and even industrial mathematics are among the important topics which should be seriously considered by members in order to interact with research centers or industrial companies, startups, as well as government and service institutions.

3. Continuous Organization (Eliminating, Creating, Modifying, and Combining) of Subdisciplines in the Department

Existing subdisciplines should be organized in the Department constantly due to the new conditions created in the field of society including less attention of

volunteers to mathematical and technical disciplines, and the increasing development of modern and digital technologies which have tied our lives inextricably with the virtual world. For instance, in those applied branches, the necessity to create or strengthen which arises directly from the problems of society should be developed instead of strengthening the more theoretical disciplines. We believe that the Department of Applied Mathematics should be an effective and efficient mediator in the connection between the wonderful and fascinating world of mathematics on the one hand and our current complex real world on the other hand, which is dealing with a variety of financial, industrial, medical, and economic issues, as well as new technologies. In this regard, the doctoral courses should be developed and presented in a way that helps to solve the real problems of society by relying on mathematical knowledge.

4. Maximum Use of Students' Capacities

We believe that our students are our most important asset to realize the perspective of the Department, and on the other hand, they are considered as the best benchmark for the correctness of the path we follow. Our education and research should be organized in such a way that graduate students in the Department of Applied Mathematics can find a job that fits their specialty with little effort. To this aim, the educational period of our students, whether in the MA or PhD programs, is not just a training course and attending classes, but also a preparation and operational course for solving real problems, purposeful research, and engaging in projects coming from industry or society. We are aware of the key role of mathematics in both regular and creative thinking and in the basic knowledge which is necessary for any serious work in this field. Thus, the issue of educating students will be taken very seriously. However, the tasks are assigned to students in such a way that directs them from the beginning towards special expertise and focuses on learning practical skills useful for the labor market. Our MA students are trained to work in areas such as IT, startups, banks, financial counseling and programming, or mathematical education. In addition, PhD students are employed in research centers or knowledge enterprises at home or abroad for in-depth research in each of the fields of applied mathematics.

5. Developing Research Market in Various Fields of Applied Mathematics

In the field of research, we believe that we should either deal with very deep and valuable theoretical issues, the results of which are embellished in the most prestigious publications in the world, or with real and operational issues arising from the complex problems of our society. The first case promotes the university in international rankings, which in turn leads to more honor and better attraction of students, and the second case is regarded as the main mission of the university as part of a public institution, which plays a significant role in improving the society and solving its problems. Therefore, low-quality research with no real motivation to solve society problems only slightly increases research output and has no other benefit except creating confusion and misunderstanding for oneself and others. Of course, we know that conducting international and in-depth research is not possible overnight and requires practice, high-quality education, interaction with national and international scientific and research circles, and spending a significant amount of time and money. We aim to correct the direction of research towards the side which is in line with one of these two goals.

6. Directing the Research in the Department Towards Solving the Problems and Meeting the Real Needs of Society

As indicated in the previous paragraph, the research policy in the Department mainly focuses on solving the real problems of society and responding to the research needs arising from it. Due to having a diverse range of experts in various fields of applied mathematics, the Department of Applied Mathematics will be able to create labs and research centers to synergize members with each other more and more, as well as communicate and interact effectively with organizations outside the university to be directly involved in real issues and their mathematical modeling and take a step towards solving the problems of the society by relying on the members' knowledge and experience, and efforts of them and the students.

7. Improving the Environment of the Department to Increase the Productivity and Maximum Use of Existing Research Capacities

Department of Applied Mathematic aims to establish close relations with organizations, companies, industries, startups, educational centers (especially

for interaction in the field of mathematical education), and research centers outside the university while interacting and cooperating positively and continuously with other departments in the Faculty of Mathematical Sciences. For example, the Department of Applied Mathematics seeks to both strengthen and refine its manpower and expose itself to the real problems in society which need mathematical research by holding training and research workshops, as well as sending students to these centers and taking operational projects. In this regard, we can even talk about turning the field problems in society into abstract ones that are translating them into the language of mathematics and presenting them to mathematical specialists. In an interconnected spectrum where one end is real and field issues and the other end is the mathematical abstract world, the Department of Applied Mathematics can and should act as an informed mediator and keep its communication and information up-to-date and accurate from both sides.

8. **Creating and Maintaining the Competitive Power in Providing Specialized Services in the Field of Applied Mathematics**

We know well that in order to survive and grow in the current highly competitive world, there is no other way except adhering to the logic of supply and demand and keeping the customers satisfied. Our customers in this market are both young and talented generation who seek high-quality and useful education and build a better future for themselves, as well as industrial, financial, commercial, IT, and other institutions which seek to solve their problems or improve the quality of their work. By providing the best services for these groups, we should ensure our own survival and growth, and contribute to the development and progress of ourselves and the Faculty. In this direction, we rely on the high power and motivation of our faculty members and worthy students, as well as the support of caring and knowledgeable managers in the Faculty and university.

9. **Adopting a Holistic Approach in Policy-Making, Planning, and Implanting Cultural Programs for the Department**

With all of its unprecedented difficulties and problems, living in the current interconnected world requires a change in human thinking and behavior in order to facilitate interaction with the world and with another. This requires training and practice and purposeful cultural work. In the Department of

Applied Mathematics, we aim to practice, learn, and educate ourselves and our students as a large, diverse but interconnected and united family. Thus, while making serious efforts to empower students, honoring high moral values, whether in education, research ethics, or human interaction between colleagues and students, is considered our essential priority.

Perspective in Department of Computer and Data Sciences

Relying on the available opportunities, a cohesive program, as well as using the abilities and experiences of its faculty members, the Department of Computer and Data Sciences will have the following characteristics in its five-year horizon:

1. It will be leading with a superior position in producing science, education, and publication in the field of computer and data sciences in national, regional, and international areas.

2. It will influence the formation of the computer and data sciences in the country.

3. It will be an excellent reference for meeting the scientific, educational, research, and technology needs of the country in the field of computer and data sciences.

4. It will provide solutions to the problems and needs of the community by using the faculty member's and students' expertise in the relevant specialized labs.

5. It will recruit the best faculty members and attract academic talents in university entrance exams at all levels.

6. It will develop creative, innovative, professional, and effective experts in the field of computer and data sciences.

Strategic Goals in Department of Computer and Data Sciences

1. Improving the Quality of Education Continuously

According to the perspective, improving the quality of education as one of the most important missions in the Department of Computer and Data Sciences is regarded as one of the basic requirements for gaining a top position among Departments of Computer and Data Sciences in the country. Internal assessment (self-assessment), compliance with international

educational standards, attempt to use new technologies and educational methods, along with the recruitment of top instructors, improvement of education infrastructure, and establishment of order in the creation and implementation of educational programs and evaluation improve the quality of education and attract talented national, regional, and international students, which can be considered in this strategy.

2. **Developing and Empowering the Faculty Members in the Department and Realizing the Maximum Potential**

Given the set of strengths, weaknesses, opportunities, and threats, focusing on recruiting, strengthening, and retraining, recruiting affiliated and guest faculty members from among prominent national, regional, and international instructors, as well as providing appropriate conditions can be considered as an appropriate strategy in the field of faculty members so that their power and capacity can be used efficiently and effectively. Attempting to recruit capable Faculty plays a significant role in this strategy due to the current conditions of the Department and the very inappropriate ratio of the number of instructors to students and the growing tendency of elite students to study in disciplines related to computer sciences. In addition, improving the quality level of scientific and professional abilities of the faculty members in the Department by encouraging them to research opportunities and conferences, seminars, and international workshops, recruiting postdoctoral researchers, and creating and developing an appropriate physical and mental environment for the faculty members in Department of Computer and Data Sciences are regarded as other goals of this strategy.

3. **Continuous Organization (Eliminating, Creating, Modifying, and Combining) of Disciplines and Subdisciplines in Department of Computer and Data Sciences**

Due to the growing needs of society and technological changes, organizing the discipline of Computer and Data Sciences and its subdisciplines in different educational levels and strengthening the postdoctoral course is considered as one of the important strategies in the Department. This organization includes examining scientific developments in the world, the continuous monitoring of which can be the headline of new subdisciplines and specializations, as well as the trend of current and future needs and requirements of society. Considering these two factors means examining both

sides of the supply and demand of the discipline of Computer and Data Sciences.

4. Maximum Use of students' Capacities

Students are among the most important assets in the Department of Computer and Data Sciences, whose power can be used by the Department in the form of activities of scientific associations, active participation in domestic, national, regional and international scientific competitions, student work, as well as teaching and research assistants, especially in research labs of instructors to get closer to the future perspective.

Guiding this potential towards solving the problems of society and industry such as establishing startup companies or even interacting with students in handling executive affairs in the Department, increasing the attraction of excellent students in different educational levels, encouraging elite students to continue studying in the Department of Computer and Data Sciences, establishing communication between employed students and successful graduates in the Department in the field of career and education through scientific associations, graduates, as well as faculty members in the Department are definitely regarded as useful measures.

5. Developing Research and Technology in Order to Solve the Problems of Society and Meet its Real Needs

The strategy of developing research and technology aims to open new fields of research and technology in the field of computer sciences, which results in increasing the share of Shahid Beheshti University in research projects (with emphasis on national research and large-scale projects), joint international research projects, and fundamental research. Domestic and international patent registration, writing and composing specialized books in Persian and English, setting up knowledge enterprises, and concluding extra-organizational contracts are among these cases.

Success in this field requires many factors including the need for an independent organizations to identify computer science and data research priorities, division of labor between different specialties of the Department, aggregation of research achievements to provide an integrated solution, and finally policy-making to promote coordination and synergy between different

specialties. The Department should create the best environment to promote research and increase the productivity of science, technology, and knowledge production process by providing formal and informal communication with the research market, taking advantage of market opportunities through faculty members' communication with other institutions and large organizations, effective and active marketing, activating alumni associations to take advantage of opportunities to communicate outside the university, promoting cooperation in the field of science, research, and technology, as well as providing an appropriate platform for dissemination and exchange of knowledge and technology achievements.

Increasing the share of problem-oriented research with emphasis on the production of new science and technology, expanding the share of dissertations and applied and problem-oriented theses, and extending the share of demand-driven research in research activities in the Department of Computer and Data Sciences are among the results of this strategy.

6. **Creating and Maintaining Competitive Power in Providing Specialized Services and Making it Agile**

Creating specialized labs proportionate to the needs of the market can be an important strategy in the Department of Computer and Data Sciences due to the urgent need of industries and research and production centers in the country. This strategy seeks to create, develop, maintain, and optimize long-term relationships with customers and use current relationships with actual customers to maximize the growth of revenues from specialized services. In addition, this strategy aims to improve the quality of services and diversify their type and method of presentation, and carry out missions and finance the Department with the approach of developing a specialized services market.

Chapter 8: Research Labs of the Instructors in the Faculty

1. **Data Sciences Research Lab**

2. **Statistics, Probability, and Data Sciences Education Lab**

3. **Information Security and Cryptography Lab**

4. **Bioinformatics and Systems Biology Lab**

5. **Optimization and Simulation Lab**

6. **Modeling and Computing Research Lab**

7. **Mining Lab**

8. **Statistical Consulting Office**

9. **Risk Lab**

10. **Machine Learning and Data Processing Lab**

11. **Machine Learning and Graph Mining Lab**

12. **Soft Computing and Logic Research Lab**

Data Sciences Research Lab

Data science is considered the art of extracting information from real-world data. Universal Data Sciences Research Lab, as an interdisciplinary lab in several specialized groups, was established in the Faculty of Mathematics Sciences in 2019 to formalize and integrate efforts in the field of data science, as well as develop the related research programs, and all its specialized units and labs became fully operational. The lab focuses on research and education in the main aspects of data science and artificial intelligence. The current research activities of the lab include machine learning, statistics, risk, bioinformatics, data mining, modeling and scientific computing, as well as algorithmic foundations of data science and optimization, and cover a wide range of methods, techniques, and applications. The specialized unit and labs operating in it include:

1. Statistics, Probability, and Data Sciences Education Lab
2. Information Security and Cryptography Lab
3. Optimization and Simulation Lab
4. Bioinformatics and Systems Biology Lab
5. Modeling and Computing Research Lab
6. Mining Lab
7. Office of Statistical Consulting
8. Risk Lab
9. Machine Learning and Data Processing Lab
10. Machine Learning and Graph Mining Lab

Lab Members: Dr. Hossein Azari Azghandi, Dr. Bijan Ahmadi Kakavandi, Dr. Ziba Eslami, Dr. Changiz Eslahchi, Dr. Ehsan Bahrami Samani, Dr. Amir Teymour Payandeh Najafabadi, Dr. Kourosh Parand, Dr. Hossein Hajiabolhassan, Dr. Masoud Hajarian, Dr. Amin Hassanzadeh, Dr. Saghar Heidari, Dr. Mohammad Khodabakhshi, Dr. Ahmad Khodadadi, Dr. Saeed Reza Kheradpisheh, Dr. Mojtaba Khazaei, Dr. Mohammad Zokaei, Dr. Mohammad Reza Faridrohani, Dr. Shirin Shoaee, Dr. Mojtaba Ganjali, Dr. Ali Reza Taheriyoun, Dr. Mohammad Reza Faghihi Habibabadi, Dr. Hadi Farahani, Dr. Fazlali, Dr. Ali Katanforoush, Dr. Sohrab Ali Yousefi.

http://ds.sbu.ac.ir

Statistics, Probability, and Data Sciences Education Lab

Statistics and probability are used as some of the elements defining scientific literacy in the 21st century, and its importance has been considered as an aspect of scientific literacy in the curriculum documents in many countries during recent years. Statistics and probability education in Iran have not yet been considered by any university and academic center academically due to the lack of articles in this area, while the research plays a significant role in producing educational content in textbooks in education and universities. This is the main problem in the field of mathematics learning in education and universities, On the one hand, data science is an interdisciplinary science about knowledge extraction and awareness of a collection of data and information so that data science is composed of different branches including mathematics, statistics and probability, engineering and computer science. Considering the education and skill learning in this science is among the goals of this lab. The Statistics, Probability and Data Sciences Education Lab was founded in the Faculty of Mathematical Sciences in Shahid Beheshti University in 2020 as the first research lab in the field of statistics, probability and data sciences in order to conduct research in the field of statistics education, school and academic probability, and data science.

The Statistics, Probability and Data Sciences Education Lab aims to conduct original research required for reviewing and producing standard content of mathematical textbooks in the field of statistics and probability (education), academic books of statistics and probability, as well as education and skill learning in data science.

Lab Members: Dr. Ehsan Bahrami Samani, Dr. Mohammad Reza Faridrohani, Dr. Hossein Hajiabolhassan, Dr. Ali Reza Taheriyoun, Dr. Ebrahim Reyhani, Dr. Mohammad Reza Seyed Salehi, and Dr. Younes Karimi Fardinpour.

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021-29905552

Information Security and Cryptography Lab

Researchers of Information Security and Cryptography Lab in Shahid Beheshti University have focused on research and development in the field of up-to-date and practical issues of information and communication security in order to move towards the ultimate goal of cryptography, which is based on building trust and confidence. To this aim, this lab has been working on secure and efficient cryptographic methods and solving the existing challenges in the world since 2011, the most prominent of which are as follows:

- Public-key cryptography and digital signatures.
- Secure data outsourcing while maintaining the abilities for share and search.
- Post-quantum cryptography.
- Distributed cryptography.
- Blockchain and the cryptocurrencies.
- Watermarking methods.
- Internet of Things (IoT) security.

It is noteworthy that this lab works closely with the student branch Iranian Society of Cryptography in Shahid Beheshti University. In addition, a project called "Security in outsourcing multimedia content" is currently underway in this lab.

Lab Members: Dr. Ziba Eslami, Dr. Nasrollah Pak Niat (Iranian Research Institute for Information Science and Technology), Dr. Mahnaz Norouzi (Alzahra University), Dr. Saeedeh Kabirir Rad (Birjand University of Technology), Dr. Bahman Rajabi Kafshgar, and Ms. Sorour Sheidani.

z_eslami@sbu.ac.ir

http://cryptography.sbu.ac.ir

021-29902889

Bioinformatics and Systems Biology Lab

Recent advances in genome sequencing technologies have led to the emergence of a wealth of biological data, resulting in providing the opportunity to design computational models to accurately predict complex biological phenomena in living organisms. Bioinformatics and Systems Biology Lab has been working since 2012 with the purpose of inferring and using computational models based on mathematical sciences, statistics and computer science to model complex biological networks. In this lab, the biological problems are solved by utilizing modern methods of graph theory, combinatorial algorithms, machine learning, data mining, meta-heuristic algorithms, statistical inferences, molecular dynamics (MD) simulation, and molecular docking simulation. Some of the current projects in this group include proposing personal therapies for cancer, detecting subtypes of cancer, representing drugs, discovering drug interactions, determining protein domains, and predicting protein complexes. In addition to holding seminars, workshops, and practical workshops, the group has collaborated with various institutions including the University of Tehran and various research centers such as the Institute for Research in Fundamental Sciences, Institute of Biochemistry and Biophysics, Royan Institute, and Institute of Genetic Engineering, and has established interaction with researchers from international institutions such as the following universities:

The National University of Singapore, Beijing University of China, Shenzhen University, Rutgers University of America, The University of Arkansas for Medical Sciences and Cochin Institute in France.

Lab Members: Dr. Changiz Eslahchi, Dr. Mojtaba Ganjali, Dr. Roza Aghdam, Ahmad Shahir Sadr, Mohammad Hossein Hobbollah, Akram Emdadi, Fatemeh Yasaei, Fatemeh Ahmadi Moghari, Narjes Rouhani, Zahra Ghaeli, Negin Sadat Babaeiha, Maryam Maghsoudi, Razieh Masoom Shah, Bahareh Louyan, Amin Khodamoradi, Mirhadi Mahmoudi, and Ruhollah Jamali.

Iranian Colleagues: Dr. Mehdi Sadeghi, Dr. Marzieh Ebrahimi, Dr. Mehdi Totonchi, Dr. Golnaz Taheri.
Iranian Colleagues Living Abroad: Dr. Hossein Khiabanian, Dr. Mahmoud Kiaei, Dr. Elnaz Saberi Ansari, Dr. Pegah Khosravi, Dr. Hamid Pezeshk, Dr. Soheil Jahangiri Tazehkand.
International Colleagues: Limsoon Wong, Wing-Kim Sung, Xiang Zhang, and Gwenneg Kerdivel.

https://facultymembers.sbu.ac.ir/eslahchi   http://eslahchilab.ir

Optimization and Simulation Lab

Applied research is conducted in the Optimization and Simulation Lab in the fields of modeling and mathematical programming methods, optimization methods based on simulation, modeling and simulation of production systems, and dynamics of socio-economic systems.

The lab focuses on implementing computational methods and using professional software to solve large-scale application problems. In addition, new activities are pursued in this lab in the fields of operating system simulation, artificial intelligence methods, and machine learning based on real data.

Practical areas include supply planning and routing in logistics systems, production optimization of oil and gas reservoirs, production planning in refineries and petrochemical units, prevention of sabotage in the network, data mining in the diagnosis of diseases, operating room scheduling, and emergency department simulation.

In addition, utilizing existing algorithms in the research of postgraduate students is among the goals of this lab. Further, mathematical modeling for various research fields such as location, production systems, supply chains, e-commerce, and the like is another goal of the above-mentioned lab. In this regard, the focus is on communicating with industry and service areas to model and optimize real-world issues and improve existing systems.

A variety of approaches can be used to address the issues in these areas, the most prominent of which include numerical optimization, convex optimization, data envelopment analysis, dynamic programming, and hybrid approaches.

Lab Members: Dr. Bijan Ahmadi, Dr. Mohammad Khodabakhshi, and Dr. Masoud Hajarian.

Modeling and Computing Research Lab
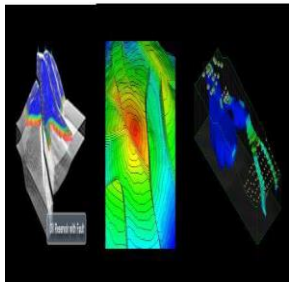
Most phenomena in science, engineering, and medicine have a complex mathematical model which usually cannot be solved by analytical methods. Therefore, a research lab should be established for scientific modeling and computing in order to build a model and implement numerical algorithms to provide solutions to these models.

Accordingly, the need for establishing a research lab called "modeling and scientific computing lab" is felt increasingly. In addition, there is a center called the "scientific computer center", along with scientific computing research groups in many prestigious universities around the world, which have the following characteristics:

- Communicating with different parts of industry and university effectively and purposefully.

- Participating in increasing national and international cooperation.

- Cooperating for launching joint courses.

- Attracting the cooperation of Iranian elites living inside and outside the country.

- Participating in the implementation of joint research projects and the development of advanced research in cooperation with computing and academic centers abroad.

Good progress has been made in achieving the aforementioned goals with the cooperation of domestic and foreign researchers. We hope to be able to solve the national problems in the country such as oil recycling issues, groundwater, and the like.

Lab Members: Dr. Hossein Azari, Dr. Kourosh Parand, Dr. Masoud Hajarian, Dr. Mohammad Khodabakhshi, and Dr. Sohrab Ali Yousefi.

Data Mining Lab

Data Mining Lab conducts innovative research on all aspects of knowledge discovery and data mining, from theoretical foundations to new models and algorithms related to data mining problems in science, business, medicine, and engineering. The missions of the data mining lab are as follows:

1. Conducting basic research and development in the field of knowledge discovery and data mining.

2. Promoting the "science" of knowledge discovery and data mining by supporting educational programs through courses in the field of statistics and machine learning.

3. Equipping the students with theoretical knowledge and practical experience in the field of knowledge discovery and data mining.

4. Providing an environment for students to exchange ideas and collaborate with industry and academic colleagues in order to grow as experts and researchers.

Research Areas:

Data mining, machine learning, natural language, automated big data analysis, knowledge discovery, business intelligence data visualization, and applications of data mining.

BA and MA Courses:

Data mining, data visualization and exploratory analysis, regression analysis, time series, and the like, and MA course in data mining, deep learning, machine learning, data science algorithms, and the like

We are looking for interested, brilliant, and hardworking students at all levels including postdoctoral, doctoral, postgraduate and final years of undergraduate studies. We are waiting for you if you are interested in doing research or designing in the field of data mining and machine learning.

Lab Members: Dr. Mohammad Reza Faghihi Habibabadi, Dr. Hossein Hajiabolhassan, Dr. Sakineh Dehghan, Dr. Hadi Farahani, and Dr. Ali Katanforoush.

Statistical Consulting Office

Department of Statistics in Shahid Beheshti University established the office of statistical consulting in 2010 with the purpose of:

1. Empowering postgraduate students of statistics in Shahid Beheshti University to interact with researchers, provide consulting services, and analyze statistical data.

2. Increasing cooperation between statisticians and researchers in various fields.

3. Improving the quality of application of statistical science in research, especially dissertations and theses of postgraduate courses in Shahid Beheshti University.

4. Acting as a specialized center in Shahid Beheshti University, especially to meet the needs of applicants for statistical consulting.

5. Promoting educational and research activities related to solving statistical problems and difficulties in the community by using the capacity of the Department of Statistics and the Department of Actuarial Science.

6. Increasing awareness of the potential and benefits of statistical expertise.

7. Improving the quality and quantity of the relationship between university and industry.

Services:

Services of consulting office include three main groups as follows:

1. **Consulting:** Providing face-to-face consulting services to applicants in order to solve the required statistical problems and guide them to select appropriate methods, statistical analysis, design the method of collecting data, use appropriate software packages, and help interpret the results.

2. **Cooperation:** Providing specialized statistical and monitoring services in projects.

3. **Train:** Holding specialized-skill training courses for applicants.

Colleagues: All of the colleagues in the Department cooperate in this office depending on the students' needs at different levels of the Department.

Risk Lab

In order to create an academic and practical relationship between university and industry, the Department of Actuarial Science in Shahid Beheshti University established "Universal Risk Lab" in this university in February 2020, which will be operational in the coming months. The lab measures risk and model design different scenarios for the risk assessment and management process and aims to make the most of its capacity to advance and develop the risk management assessment cycle in various areas of the industry and reduce risk-related costs as much as possible with the purpose of identifying and investigating the problems of different units in the field of risk by using scientific and practical instruments and new technologies. In a more comprehensive sense, risk-related projects are defined and implemented in this lab based on the current needs of society and industry.

Generally, the main mission of universal risk lab includes training, consulting, executing, and implementing risk-related projects in various fields including (1) financial, banking, and insurance risks, (2) environmental risks and climate change, (3) cyber risks, (4) health risks and population pyramid changes, (5) risks related to natural disasters, (6), social risks, and (7) engineering risks such as energy, and the like.

Lab Members: Dr. Amir Teymour Payandeh Najafabadi, Dr. Mohammad Zokaei, Dr. Mohammad Reza Faghihi Habibabadi, Dr. Ahmad Khodadadi, Dr. Ehsan Bahrami Samani, Dr. Amin Hassanzadeh, Dr. Ali Reza Taheriyoun, Dr. Shirin Shoaee, and Dr. Saghar Heidari.

Department of Actuarial Science, Faculty of Mathematical Sciences, Shahid Beheshti University, Daneshjoo Boulevard, Shahid Shahriari sq., Evin, Tehran.

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021-29902912-29902894

Machine Learning and Data Processing Lab

Machine Learning and Data Processing Lab is regarded as a platform for identifying issues in the world of application, offering and developing solutions to organizations and companies, creating links and synergies between research projects in various fields, and encouraging and guiding students studying subdisciplines of computer and data sciences in this direction. The lab is considered as a part of the Department of Computer and Data Sciences in Shahid Beheshti University and plays a role in the research and industrial community in the country as a place to attract, direct, and implement research projects in the fields of artificial intelligence, machine learning, neural networks and big data processing and exploration. In addition, the above-mentioned lab uses a fast processing platform including parallel and graphics processors.

Goals of the Lab:

1. Carrying out projects in the field of machine learning, artificial intelligence, data and big data processing, and the like.

2. Providing advice and assistance in software production and commercialization of ideas.

3. Providing advice and performing specific processes in the field of data analysis.

4. Providing advice and training in order to get acquainted and use specialized tools and packages for machine learning, neural networks, parallelization, and the like.

5. Providing hardware facilities to perform the required computing in postgraduate students' dissertations and theses.

Lab Members: Dr. Hadi Farahani, Dr. Saeed Reza Kheradpisheh, Dr. Mahmood Fazlali, and Dr. Ali Katanforoush.

Manpower: The cooperation of talented undergraduate and postgraduate students in Department of Computer and Data Sciences is used in the projects of this lab.
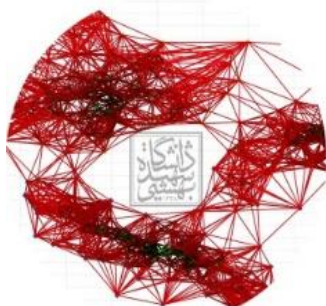
Dr. Saeed Reza Kheradpisheh: 021-29905572   Dr. Ali Katanforoush: 021-29902888

Dr. Mahmood Fazlali: 021-29905569   Dr. Hadi Farahani: 021-29905570

Machine Learning and Graph Mining Lab

Machine Learning and Graph Mining Lab has based its mission on theoretical development and using it in various applications successfully due to the increasing development of findings and achievements in the field of data science and artificial intelligence. In addition, providing models for data with a more complex and relative structure (graph) has become an important priority in this field with the significant development of deep learning. Thus, the lab focuses on developing graph machine learning and using it for graph and non-graph data as its research priority. Further, the lab aims to include the development of applications in various fields such as machine vision, analysis of the properties of molecules and biological applications, dynamical systems and time series (for example in economics), as well as physics and engineering (for instance in robotics). The Machine Learning and Graph Mining Lab was established in 2020 and has been active since that time. Several projects are currently underway in this lab such as predicting the properties of molecules and understanding the scene based on graph machine learning models.

Lab Members: Dr. Ehsan Bahrami Samani, Dr. yazdan Golzadeh, Dr. Hossein Hajiabolhassan, Dr. Mohammad Reza Faghihi Habibabadi, Dr. Zahra Taheri, Ali Hojatnia, Roohallah Mahdi, Ali Nazari and Yavar Yeganeh.

hhaji@sbu.ac.ir

https://gmlg.github.io

021-29902928

Soft Computing and Logic Research Lab

Soft Computing Lab is regarded as an appropriate platform for identifying the problems in the world of application, presenting and creating links, synergies between research projects with various fields, as well as encouraging and guiding students of subdisciplines of soft computing, algebraic and logical structures, applied mathematics, engineering, and all students of different sciences. The lab plays a role in the research community of the country as a place to attract, direct, and implement research projects in the fields of computational intelligence, fuzzy mathematics, image processing, data mining, logical algebraic structures, and the like. Soft computing advances by accepting inaccuracies and focusing on the human mind and its guiding principle is based on taking advantage of the inaccuracy to control the problem and reduce the cost of the solution. It is noteworthy that the Soft Computing Lab starts its activity with fuzzy mathematics and logical algebraic structures and includes more branches of soft computing indicated above by holding monthly and continuous workshops in the two-year perspective. Therefore, the goals of the lab are as follows:

1. Defining and participating in carrying out projects in the field of soft computing
2. Providing advice and producing content in the field of soft computing and developing the theory and knowledge of soft computing in the world
3. Providing advice and specialized training, along with moving towards introducing different branches of soft computing among children and adolescents with intelligent Iranian motivation
4. Supplying required facilities and projects for postgraduate students' dissertations and theses
5. Cooperating with the companies, universities, and other organizations
6. Disseminating scientific knowledge and research results in the community
7. Collecting all scientific references in the field of soft computing and moving towards gaining the title of scientific authority in the country
8. Focusing on optimizing industrial processes specifically to improve efficiency according to national needs
9. Developing infrastructure required for knowledge-based entrepreneurship

Lab Members: Dr. Mojgan Mahmoudi, Dr. Mona Aaly Kologani, Dr. Mohammad Mehdi Zahedi, Dr. Rajab Ali Borzooei, Dr. Batool Ganji Saffar, Dr. Omid Zahiri, Dr. Morteza Moniri, Dr. Sogol Niazian, and professor Yang Bai Jan.

Chapter 9: Faculty Programs and Meetings

1. **Monthly Schedule for Meetings of the Councils and the Dean of Faculty**

2. **Schedule for Seminars of Department of Mathematical Sciences**

3. **Monthly Schedule for Council Meetings of the Departments**

Monthly Schedule for Meetings of the Councils and the Dean of the Faculty

The monthly schedule for meetings of the councils and the Dean of Faculty are as follows:

First Week:

Day	8:00-9:30	12:00-13:30	14:00-16:00
Saturday	Faculty Affairs and Appointments	Faculty Board	Field of Knowledge
Sunday	Faculty Affairs and Appointments		
Monday	Faculty Affairs and Appointments	Faculty Council	
Tuesday	Faculty Affairs and Appointments		
Wednesday		Faculty Council	

Second Week:

Day	8:00-9:30	12:00-13:30
Saturday	Faculty Affairs and Appointments	Faculty Board
Sunday	Faculty Affairs and Appointments	
Monday	Faculty Affairs and Appointments	Faculty Council or Educational Policy-Making
Tuesday	Faculty Affairs and Appointments	
Wednesday		

Third Week:

Day	8:00-9:30	12:00-13:30
Saturday	Faculty Affairs and Appointments	Faculty Board
Sunday	Faculty Affairs and Appointments	IT Council
Monday	Faculty Affairs and Appointments	Faculty Council or Advisory Council
Tuesday	Faculty Affairs and Appointments	
Wednesday		

Fourth Week:

Day	8:00-9:30	12:00-13:30
Saturday	Faculty Affairs and Appointments	Faculty Board
Sunday	Faculty Affairs and Appointments	
Monday	Faculty Affairs and Appointments	Faculty Council or Policy-Making and Research and Technology Program
Tuesday	Faculty Affairs and Appointments	
Wednesday		

Schedule for Seminars of the Department of Mathematical Sciences

Name of Department	Days of the Week	Day	Hour
Statistics	First Week of the Month	Saturday	14:00-16:00
Actuarial Science	First Week of the Month	Wednesday	17:00-18:30
Mathematics	Second Week of the Month	Sunday	11:30-13:00
Applied Mathematics	Third Week of the Month	Sunday	12:00-13:30
Computer and Data Science	Fourth Week of the Month	Saturday	12:00-13:30

Seminars for each Department are held every two months in the virtual hall of the Faculty and admission is open to the public

Monthly Schedule for Council Meetings of the Departments

Name of Department	Days of the Week	Day	Hour
Statistics	Fourth Week of the Month	Wednesday	10:00-12:00
Actuarial Science	Fourth Week of the Month	Tuesday	11:30-13:00
Mathematics	First Week of the Month	Sunday	11:30-13:00
Applied Mathematics	Second Week of the Month	Sunday	12:00-13:30
Computer and Data Science	Third Week of the Month	Saturday	12:00-13:30

Chapter 10: Faculty Information

1. **Faculty Management in 2020-2021**

2. **Heads of Departments in 2020-2021**

3. **Faculty Councils in 2020-2021**

4. **Faculty Members**

5. **Faculty Staff**

6. **Faculty Emeriti and Staff of the Faculty**

7. **Faculty Map**

Faculty Management in 2020-2021

Dean of the Faculty

Dr. Hossein Hajiabolhassan

Vice-Chancellor for Research

Dr. Abbas Fakhari Ghouchani

Vice-Chancellor for Education

Dr. Mohammad Reza Faridrohani

IT Manager

Dr. Saeed Reza Kheradpisheh

Executive Manager

Mr. Abolfazl Zolfigol

Head of Public Relations

Dr. Sakineh Dehghan

Heads of Departments in 2020-2021

Head of Department of Statistics → **Dr. Mojtaba Khazaei**

Head of Department of Actuarial Science → **Dr. Mohammad Reza Faridrohani**

Vice-Chancellor of Dr. Shirin Shoaee

Head of Department of Mathematics → **Dr. Reza Taleb**

Head of Department of Applied Mathematics → **Dr. Bijan Ahmadi Kakavandi**

Head of Department of Computer and Data Sciences → **Dr. Hadi Farahani**

Faculty Councils in 2020-2021

Research Policy-Making Council

Dr. Hossein Hajiabolhassan
Dr. Abbas Fakhari Ghouchani
Dr. Ehsan Bahrami Samani
Dr. Amir Teymour Payandeh Najafabadi
Dr. Massoud Tousi Ardekani
Dr. Sohrab Ali Yousefi
Dr. Kourosh Parand

Educational Policy-Making Council

Dr. Hossein Hajiabolhassan
Dr. Mohammad Reza Faridrohani
Dr. Mohammad Ebrahim Hosseini Nasab
Dr. Shirin Shoaee
Dr. Reza Taleb
Dr. Moharram N. Iradmusa
Dr. Maryam Tahmasbi Abdar

Faculty Council

Dr. Hossein Hajiabolhassan
Dr. Mohammad Reza Faridrohani
Dr. Abbas Fakhari Ghouchani
Dr. Mojtaba Khazaei
Dr. Shirin Shoaee
Dr. Reza Taleb
Dr. Bijan Ahmadi Kakavandi
Dr. Hadi Farahani

IT Council

Dr. Hossein Hajiabolhassan
Dr. Masoud Hajarian
Dr. Saeed Reza Kheradpisheh
Dr. Mohammad Sadegh Shahrokhi
Dr. Ali Reza Taheriyoun
Dr. Mohammad Reza Faghihi Habibabadi
Dr. Mahmood Fazlali
Dr. Hadi Farahani
Dr. Ali Katanforoush

Working Group Reviewing Scientific Ability

Dr. Hossein Hajiabolhassan
Dr. Mohammad Zokaei
Dr. Reza Fakhari Zavareh
Dr. Mojtaba Khazaei[*]
Dr. Mohammad Reza Faridrohani[*]
Dr. Reza Taleb[*]
Dr. Bijan Ahmadi Kakavandi [*]
Dr. Hadi Farahani[*]

[*]According to Circumstance

Advisory Council

Dr. Hossein Hajiabolhassan
Dr. Mohammad Reza Faridrohani
Dr. Abbas Fakhari Ghouchani
Invited Instructors

Faculty Members

Row	First and Last Name	Field of Study	Department	Place of Obtaining Certificate	Type of Employment	Academic Rank	Phone Number
1	Rajab Ali Borzooei	Mathematics	Mathematics	Shahid Bahonar University of Kerman	Tenure	Professor	29902929
2	Changiz Eslahchi	Mathematics	Computer and Data Sciences	Sharif University of Technology	Tenure	Professor	29905551
3	Mojtaba Ganjali	Applied Statistics	Statistics	Lancaster, England	Tenure	Professor	29902915
4	Zahra Gooya	Mathematics	Applied Mathematics	British Columbia, Canada	Tenure	Professor	29902925
5	Masoud Hajarian	Applied Mathematics	Applied Mathematics	Amirkabir University of Technology	Tenure	Professor	29905564
6	Hossein Hajiabolhassan	Mathematics	Applied Mathematics	Sharif University of Technology	Tenure	Professor	29902928
7	Mojgan Mahmoudi	Mathematics	Mathematics	Shahid Beheshti University	Tenure	Professor	29902906
8	Kourosh Parand	Applied Mathematics	Computer and Data Sciences	Amirkabir University of Technology	Tenure	Professor	29905571
9	Amir Teymour Payandeh Najafabadi	Statistics	Actuarial Science	New Brunswick, Canada	Tenure	Professor	29902894
10	Alireza Salemkar Langroudi	Mathematics	Mathematics	Ferdowsi University of Mashhad	Tenure	Professor	29902923
11	Massoud Tousi Ardekani	Mathematics	Mathematics	University of Tehran	Tenure	Professor	29905562
12	Sohrab Ali Yousefi	Applied Mathematics	Applied Mathematics	Amirkabir University of Technology	Tenure	Professor	29905560 29902903
13	Ehsan Bahrami Samani	Statistics	Statistics	Shahid Beheshti University	Tenure	Associate Professor	29905552
14	Ziba Eslami	Applied Mathematics	Computer and Data Sciences	University of Tehran	Tenure	Associate Professor	29902889

15	Mohammad Reza Faghihi Habibabadi	Statistics	Statistics	University of Leeds, England	Tenure	Associate Professor	29902891
16	Abbas Fakhari Ghouchani	Mathematics	Mathematics	Ferdowsi University of Mashhad	Tenure	Associate Professor	29902895
17	Mohammad Reza Faridrohani	Applied Statistics	Statistics	Shahid Beheshti University	Probationary Tenure	Associate Professor	29902892
18	Seyed Mohammad Ebrahim Hosseini Nasab	Statistics	Statistics	Australian National University	Tenure	Associate Professor	29905553
19	Mojtaba Khazaei	Statistics	Statistics	Shahid Beheshti University	Tenure	Associate Professor	29905556
20	Mohammad Khodabakhshi	Applied Mathematics	Applied Mathematics	Teacher Training University	Tenure	Associate Professor	29905558
21	Morteza Moniri	Mathematics	Mathematics	Institute For Research In Fundamental Sciences	Tenure	Associate Professor	29902907
22	Bijan Ahmadi Kakavandi	Mathematics	Applied Mathematics	Tarbiat Modares University	Probationary Tenure	Assistant Professor	29902917
23	Hossein Azari Azghandi	Applied Mathematics	Applied Mathematics	Iran University of Science and Technology	Probationary Tenure	Assistant Professor	29905563
24	Hamideh Dariush Hamedani	Mathematical Sciences	Statistics	Sharif University of Technology	Tenure	Assistant Professor	29905554
25	Sakineh Dehghan	Statistics	Statistics	Shahid Beheshti University	Contractual	Assistant Professor	29902911
26	Hadi Farahani	Mathematics	Computer and Data Sciences	Shahid Beheshti University	Probationary Tenure	Assistant Professor	29905570
27	Mahmood Fazlali	Computer Systems Architecture	Computer and Data Sciences	Shahid Beheshti University	Probationary Tenure	Assistant Professor	29905569
28	Samad Haj Jabbari	Mathematics	Mathematics	Tarbiat Modares University	Tenure	Assistant Professor	29902908
29	Amin Hassanzadeh	Statistics	Actuarial Science	University of Montreal, Canada	Probationary Tenure	Assistant Professor	29902918
30	Saghar Heidari	Mathematics	Actuarial Science	Shahid Beheshti University	Contractual	Assistant Professor	29902912

31	Moharram N. Iradmusa	Mathematics	Applied Mathematics	Shahid Beheshti University	Contractual	Assistant Professor	29905568
32	Ali Katanforoush	Bioinformatics	Computer and Data Sciences	University of Tehran	Contractual	Assistant Professor	29902888
33	Saeed Reza Kheradpisheh	Computer and Data Sciences	Computer and Data Sciences	University of Tehran	Contractual	Assistant Professor	29905572
34	Shahram Mansouri	Statistics	Statistics	Tarbiat Modares University	Tenure	Assistant Professor	29905557
35	Khosrow Monsef Shokri	Mathematics	Mathematics	University of Bonn, Germany	Contractual	Assistant Professor	29905566
36	Mehdi Pourbarat	Mathematics	Mathematics	Shahid Beheshti University	Probationary Tenure	Assistant Professor	29902924
37	Pandora Raja	Mathematics	Mathematics	Amirkabir University of Technology	Probationary Tenure	Assistant Professor	29905561
38	Firoozeh Rivaz	Statistics	Statistics	Tarbiat Modares University	Probationary Tenure	Assistant Professor	29902890
39	Mohammad Sadegh Shahrokhi Dehkordi	Mathematics	Applied Mathematics	University of Sussex, England	Probationary Tenure	Assistant Professor	29905567
40	Negur Shahni Karamzadeh	Mathematics	Mathematics	University of Tehran	Probationary Tenure	Assistant Professor	29902903
41	Shirin Shoaee	Statistics	Actuarial Science	Amirkabir University of Technology	Contractual	Assistant Professor	29902912
42	Ali Reza Taheriyoun	Statistics	Statistics	Shahid Beheshti University	Probationary Tenure	Assistant Professor	29905555
43	Maryam Tahmasbi Abdar	Applied Mathematics	Computer and Data Sciences	Amirkabir University of Technology	Probationary Tenure	Assistant Professor	29902886
44	Reza Taleb	Mathematics	Mathematics	McMaster University, Canada	Contractual	Assistant Professor	29902899

Faculty Staff

Post	First and Last Name	Photo	Phone Number
Executive Manager	Abolfazl Zolfigol		29902898
Head of the Education Department	Dr. Zahra Shabrokh Foumani		29902927
Expert in Charge of Education	Dr. Kobra Moradi		29902927
Educational Experts	Negin Masoum		29902897
	Saeed Najafi		29905550
Research Expert	Kamal Taheri		29902909
Office Manager in the Faculty	Abbas Asadkhah		29902900

Office Manager in Department of Statistics and Department of Actuarial Science	Maryam Behmanesh	29902910
Office Manager in Department of Mathematics and the Department of Mathematics	Ozra Haddadi	29902920
Office Manager in Department of Computer and Data Sciences	Mehran Khodkameh	29902885
Secretariat	Homeyra Khoshdel	29902896
Warehouse Manager	Reza Kolivand	29902883
Site Experts	Reza Abjam	29902884
	Elham Moridi	29902884
Library Experts	Najmeh Postchi	29902893
	Maryam Kian Mahmodi	29902893

Service Manager in Department of Mathematics and Department of Mathematics	Safiollah Bizaaei		29902920
Service Manager in Department of Statistics and Department of Actuarial Science	Khalil Hassan Khalil		29902910
Service Manager for Headquarter and Department of Computer and Data Sciences	Seyed Ali Mousavi		29902885
Service Manager for Education and Site	Nader Moalebi		29902883

Faculty Emeriti and Staff of the Faculty

Instructors			
First and Last Name	**Description**	**First and Last Name**	**Description**
Dr. Mohammad Hossein Afghahi	Late	Dr. Farhad Khellat	
Dr. Massoud Alborz		Dr. Ahmad Khodadadi	
Seyed Fakhreddin Ayatollah Zadeh Shirazi		Dr. Mohammad Reza Meshkani	Late
Seyed Mohammad Mehdi Ayatollah Zadeh Shirazi	Late	Dr. Vida Milani	
Ali Agha Azadeh		Dr. Keramatollah Parvin Jahromi	
Dr. Jalal Davoodzadeh		Dr. Mohammad Taghi Sarfehjoo	
Dr. Behnam Dehkordi		Dr. Hojatollah Seifollahi Nunakaran	
Dr. Mohammad Mehdi Ebrahimi		Dr. Abdolrahim Shahlaei	
Dr. Naser Forouzesh		Dr. Ahmad Shahvarani	
Parichehr Ghazi (Mashar)		Dr. Ahmad Shaverdi	Late
Dr. Seyed Alireza Hosseiniun		Dr. Mohammad Ghasem Vahidi Asl	
Dr. Rahmatollah Khajavi		Dr. Mohammad Zokaei	
Staff			
Akram Asadi		Ali Mobini	
Seyed Fazel Behboodi		Afsaneh Naderi	
Parvin Faraji		Mahnaz Nili	
Maryam Fazlalipour		Hojatollah Pourshadi	
Maryam Ghaderi		Hamideh Safari	
Fatemeh Goshadehroo		Gholam Reza Sakaki	
Badri Khalaf Beigi		Nasrin Sattari	
Ismail kheirabadi		Farzaneh Shabanzadeh	
Mohammad Reza Mazdarani		Zahra Tajalli	

Technical and Practical Specifications of the Faculty Hall

This place with an area of about 250 square meters is located on the upper floor of the Faculty with a capacity of 100 people and has audio and video facilities, computer, video projector, Internet, and control room with related equipment, which is used to hold meetings, seminars, introductory sessions, defense of doctoral students, and the like.

Dr. Raja 5561	Dr. Azari Azghandi 5563	Dr. Yousefi 5560-2903	Dr. Karamzadeh 2903	Dr. Haj Jabbari 2908	Dr. Fakhari Ghouchani 2895-5574
Dr. Moniri 2907				Dr. Ahmadi Kakavandi 2917	
Dr. Salemkar Langroudi 2923				Staff WC	Staff WC
Dr. Mahmoudi 2906				Elevator	
Dr. Shaffaf 5565 Dr. Iradmousa 5568				Dr. Ebrahimi-Dr. Hossiniun 2921	
Staircase				Office of Department of Mathematics-Ms. Haddadi 22431652-2920	
Dr. Monsef 5566 Dr. Pourbarat 2924				The Head of Department of Mathematics 22431652-2920	
Dr. Tousi Ardekani 5562					
Dr. Hajarian 5564				Dr. Taleb 2899 Dr. Shahrokhi 5567	
Dr. Gooya 2925				Dr. Borzooei 2929	
Dr. Hajiabolhassan 2928					
Pantry				Dr. Khellat 2922	Dr. Khodabakhshi 5558
Students of Mathematical Society				PhD Students' Room	

First Floor-Department of Mathematics and Department of Applied Mathematics

Dr. Faghihi Habibabadi 2891	Dr. Khodadadi 2882	Dr. Hassanzadeh 2918	Dr. Shoaee 2912	Dr. Heidari 2912	Dr. Hosseini Nasab 5553

Ground Floor-Department of Statistics and Department of Acuarial Science

Left column	Right column
Dr. Faridrohani 2892	Dr. Khazaei 5556
Dr. Rivaz 2890 / Dr. Dariush Hamedani 5554	Pantry / Staff WC
Dr. Payandeh Najafabadi 2894	Elevator
Instructors' Room	Dr. Alborz 2914 / Dr. Mansouri 5557
Staircase	Office of Department of Statistics and Department of Actuarial Science Ms. Behmanesh 22431649-2910
Dr. Zokaei 2914	Dr. Vahidi Asl
Dr. Ganjali 2915	PhD Students (Men) 2911
Dr. Taheriyoun 5555 / Dr. Bahrami Samani 5552	PhD Students (Men) 2911
PhD Students' Room (Women)	Dr. Dehghan / Statistical Consulting Office 2877
Pantry	Statistics Lab
Scientific Statistical Society 2877	

		Office of Department of Computer and Data Sciences Mr. Mehran Khodkameh 2885			
Dr. Parand 5571	Dr. Farahani 5570		Dr. Eslahchi 5551	Dr. Eslami 2889	Dr. Kheradpisheh 5572
Dr. Tahmasbi Abdar 2886			Dr. Fazlali 5569		
Dr. Katanforoush 2888	Invited Instructors 5573		Pantry	Staff WC	
Entrnce			Elevator		
Server Room			Mr. Zolfigol (Executive Manager) 2898		
Office of Research Affairs Mr. Taheri 2909			Office of the Dean of the Faculty Mr. Asadkhah 2900 Dr. Hajiabolhassan 22431650		
Staircase			Ms. Khosdel (Secretariate) 2896		
Innovation Center			Innovation Center		
Site 1			Conference Room of Department of Computer and Data Sciences		
PhD Students (Women)			PhD Students (Women)		
			Library (Ms. Poostchi and Kian Mahmodi) 2893		

One Floor Below the Ground Floor-Headquarters and Department of Computer and Data Sciences

Central Site		
Ms. Moridi 2884		Mr. Abjam 2884

|	Two Floors Below the Ground Floor-Education and Central Site	
Stairs to the Basement of MA and PhD Students' Room		Elevator
Warehouse and Replication room of Mr. Kolivand 2883		Scientific Society of Computer and Data Sciences
Warehouse		Education and Postgraduate Education 5550 Dr. Moradi and Mr. Najafi 2927-5550 Dr. Shabrokh Foumani 2927 Ms. Masoum 2897
Warehouse		
		Academic Affairs and Postgraduate Education 22431654‒2927

Chapter 11: Faculty Image Gallery

The instructors in Deparment of Mathematics in Teachers' Day, May 1984 (from left to right): Dr. James Beth David, Dr. Saeed Faryabi, late Mohammad Mehdi Ayatollahzadeh Shirazi, Dr. Samad Haj Jabari (entrant in 1983), Dr. Mohammad Mehdi Ebrahimi, Mahmoud Ehsani, late Dr. Mohammd Hossein Afghahi, and Dr. Seyed Alireza Hosseiniun.
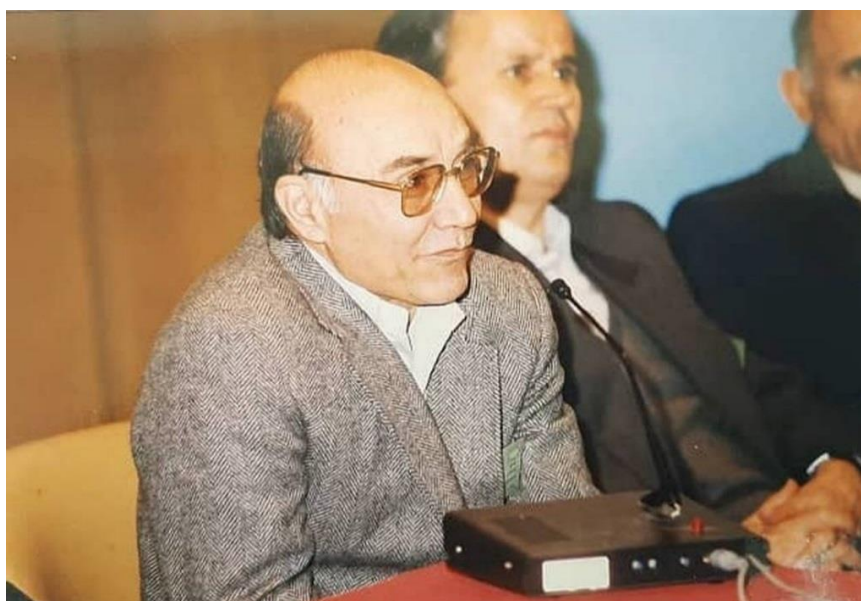
Late Dr. Mohammad Reza Meshkani in 2nd Conference of Mathematical Blossoms, May 1998.

2nd Conference of Mathematical Blossoms, May 1998.

Some of the Participants in 2nd Conference of Mathematical Blossoms, May 1998.

2nd Conference of Mathematical Blossoms, May 1998.

2nd Conference of Mathematical Blossoms, May 1998.

4th Irainian International Statistics Coference, September 1998.

4th Irainian International Statistics Coference, September 1998.

Late Dr. Maryam Mirzakhani in 3rd Conference of Mathematical Blossoms, April 1999.

3rd Conference of Mathematical Blossoms, April 1999.

Late Dr. Ahmad Birashk in 4th Conference of Mathematical Blossoms, May 2000.

4th Conference of Mathematical Blossoms, May 2000.

Workshop of Nonlinear Functional Analysis and its Applications, March 2002.

1st day of Combinatorics, March 2009.

Conference of Instructors in Teachers' Day, May 2010.

Faculty Members in the Faculty of Mathematics Sciencs, October 2010.

Faculty Members in the Faculty of Mathematics Sciencs, October 2010.

Research Day in the Faculty of Mathematics Sciencs, December 2010.

Education Day in the Faculty of Mathematics Sciencs, October 2010.

Book Group Reading Competitions (Crows Competition), December 2011.

Members in Department of Statistics, January 2012.

Ceremony for New entrants in the Faculty of Mathematical Sciences, October 2012.

Alumni Celebration in the Faculty of Mathematical Sciences, May 2013.

Book Group Reading Competitions (Crows Competition), December 2013.

Annual Conference on Mathematical Logic and Its Applications, December 2013.

Book Group Reading Competitions (Crows Competition), March 2016.

The Ceremony of the 80th Anniversary of Dr. Mehdi Behzad and the 50th Anniversary of Behzad's Conjecture, May 2016.

The Ceremony of the 40th Aniversary of Department of Statistics, February 2017.

Achieving the First Rank of the Student-Scientific Journal "Infinity", May 2017.

Iftar Ceremony in the Faculty of Mathematics Sciences, June 2017.

Iftar Ceremony in the Faculty of Mathematics Sciences, June 2017.

Iftar Ceremony in the Faculty of Mathematics Sciences, June 2017.

Conference of Instructors in the Faculty of Mathematics Sciences, January 2018.

50th Anniversary of Faculty of Mathematical Sciences, March 2018.

50th Anniversary of Faculty of Mathematical Sciences, March 2018.

Book Group Reading Competitions (Crows Competition), March 2018.

1st Conference of Actuarial Science, August 2018.

Ten Days of Mathematics, November 2018.

7th Seminar on Harmonic Analysis and Applications, January 2019.

7th Seminar on Harmonic Analysis and Applications, January 2019.

Meeting of Faculty and Experts, March 2019.

Meeting of Faculty and Experts, March 2019**.**

Commemoration Ceremony of Women in Mathematics Day, May 2019.

Commemoration Ceremony of Women in Mathematics Day, May 2019.

Closing Ceremony of the 2nd National Student Statistics Conference, January 2020.