

The Sharif Science and Technology Park



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Science & Technology Park



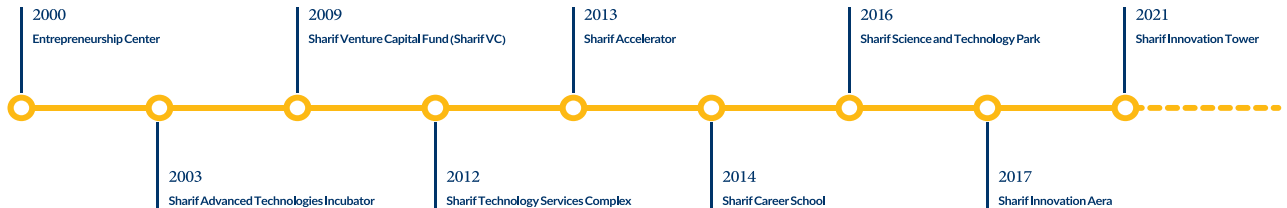
Sharif Innovation District

An innovation district is a special form of economic growth and development based on a geographical location. Innovation districts are founded to make an entrepreneurial atmosphere in which people and firms from different layers of society can collaborate together. In order to reinforce the organically emerged entrepreneurial ecosystem around the university, Sharif Technologic Park was established in 2016 and then, in 2018, the Sharif Innovation District as the Park most important initiative was founded. In an area of 250 hectares, the goal of the program is to motivate talents to bring up solutions for modern problems. As a result, several service providers such as 21 accelerators, 13 VCs and 12 innovation centers have set up offices in the district.

Being in the proximity of Sharif University, there's an outstanding opportunity for technology companies to benefit from the scientific potentials of the university. Besides, Subway stations of two different lines and other forms of public transportation make it convenient to get from anywhere in Tehran to Sharif Innovation District. Moreover, Mehrabad International Airport is located 4 kilometers from the district.



2 Decades of
Innovation and
Entrepreneurship



■ Service Providers in Sharif Innovation and Technology District

Several service providers such as Accelerators, VCs, Innovation centers, Technology Complexes, Workshop and laboratory Space, and Shared Workspace have set up offices in the district.



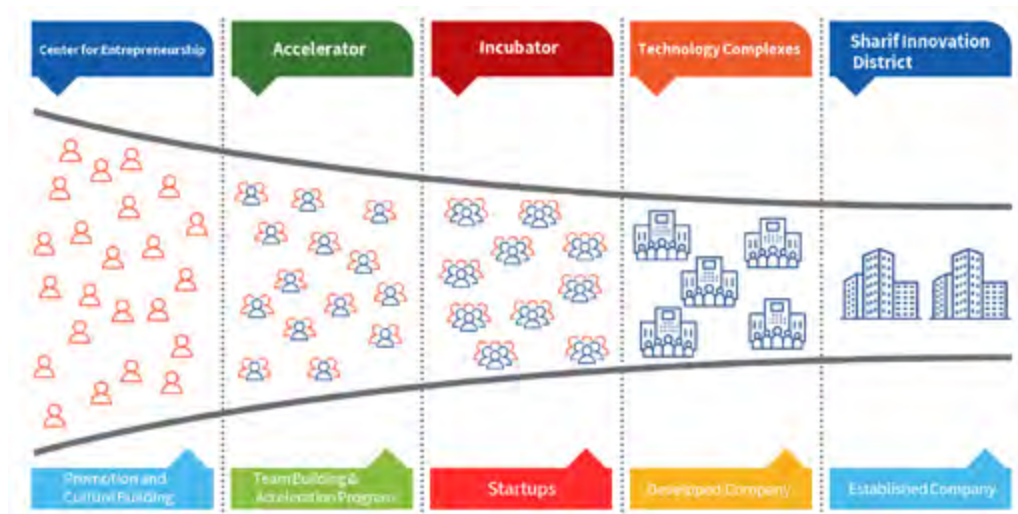
■ Entrepreneurial Ideas Development System of the Sharif University

Sharif University of Technology has specific institutions and programs to encourage students to enter the entrepreneurial environment and to convert students entrepreneurial ideas into successful enterprise. These institutions follow a specific time sequence according to a specific program that guides students like a funnel in the path of commercializing innovative ideas. This mechanism is called Sharif University Entrepreneurial Ideas Development System, which the responsibility of its management and guidance is one of the Sharif Science and Technology Park main duties. The park, like an umbrella, covers these institutions that are in the field of entrepreneurship and innovation and manages and directs them. In this entrepreneurial path, usually a few students succeed in turning their idea into a knowledge based firm.



■ The first institution in this direction is Sharif University Entrepreneurship Center. The mission of this center is to empower students and create an entrepreneurial culture in their mind. This center is trying to keep apprentices mentality active in the field of entrepreneurship. The second institution is the Accelerator. When we go from the entrepreneurship center to the Accelerator, it means that there are students who have ideas and intend to turn the idea into a startup. Accelerator, with specific mechanisms and various services and facilities, helps students to form their team faster and turn their idea into a startup. The next entity is the Incubator. With a variety of facilities and services, this center helps nascent entrepreneur who have proceeded to this stage to officially register their company. This center provides work space for students for three years. The next stage is technological complexes. These technology complexes, which are located around the university, are the best places for the establishment of companies that have left the Incubator. These developed companies can operate as one of the firms of Sharif Science and Technology Park by settling in these complexes.

In fact, by following this path, we will finally have a mature company in the Sharif Innovation District, which has a national and international brand.



📁 Sharif Science and Technology Park operates in Various Technological Fields

- 1 Information Technology Including Blockchain technology, Banking software and payment management applications, Internet of Things, No-reference image and video quality assessment, Cloud infrastructure, Integration of web services, Financial and investment services platforms, Smart Shopping search engines, Data processing and storage, Fleet management systems, Team messengers, Satellite image processing, and Digital authentication.



■ HPDS Corp. is one of the successful examples in the field of IT in Sharif Innovation District. HPDS established in 2014 and aims to research and development of data storage systems. The company have launched several storage products with SAB brand. With the ever increasing needs for big-data storage in a cost efficient and reliable manner, the first mission of HPDS Corp. is addressing the market concerns, in Iran and all around the Globe.

For more information refer <http://www.hpds.ir/en/about-us>

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HPDS

HDD & SSD

2 Water, energy and environment covers Providing services and products to produce power, increase efficiency and reduce water consumption in various industries, Repair and maintenance system of energy industry equipment in the context of Internet of Things, using heat pipes to recover waste heat energy, Smart Technologies for Water Resource Management, using weather forecasts in electricity demand prediction, improving the efficiency of electricity production in thermal power plants, Online management and optimization of energy consumption.



■ In the domain of water, energy and environment TEPCO energy company started its research and industrial activities unofficially in 2007 in Sharif University of Technology and with the cooperation of many elite academic forces and industry experts. Over the past years, this center has carried out many research and industrial activities with various industrial centers and industries in the form of contracts with Sharif University of Technology. Some of them include contracts with oil companies, power plants and power generation companies, organizations related to energy efficiency, light and heavy industries such as new industries and steel industries and the country's aerospace industry.

For more information refer <https://tepcoenergy.com/en>

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3 Mechatronics including Designing, Engineering and manufacturing of Industrial Automation Equipments, Automation hydroponic farming system, Designing, developing, testing and producing of industrial centrifugal fans, Designing and manufacturing of tools for the inside of oil wells, Design and manufacturing of active magnetic bearings, Robotics design, engineering and manufacturing, and Manufacture of ultrasonic equipment, Robot control systems.



■ Durali System Design and Automation (DSDA) Company has been established to meet the engineering and innovative needs of industrial and automation and machine design industries. Our mission is to improve the design, performance, automation level, and technology of industrial machinery and systems. DSDA Company under the management of Dr. Mohammad Durali (Professor of Sharif University of Technology) with the cooperation of graduates of this university, a group of qualified manufacturers in various sectors of the industry and using their domestic and foreign business potential, build and provide innovative special equipment and systems to satisfy industrial needs of its clients.

The initial core of this company, under the title of “Creative Workshop” in Sharif University of Technology, has started its activity about 25 years ago and has continued its activity in 2010 in the technology services complex of this university. Durali System Design and Automation Company has been established in 2016 as a knowledge-based company. Most of the projects implemented in this company have been done for the first time in Iran and some in the world, or they have not been localized in the country before. The presented products on this website show only a little part of the capabilities of the creative and diligent forces of this company. If you interested in more information refer <https://www.dsdaco.com/en/introductionen>

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- 3 Aerospace including Dynamic extraction of system equations, autonomous control systems, machine vision, visual navigation, Drone technology in agriculture, Drone services in the industry, and Aerospace and mechanical engineering software.

■ In the area of aerospace, SharifAgRobot was established by a research group in 2019 and aims to solve the problems in agricultural industry by means of modern technologies and intelligent systems.

Accordingly, SharifAgRobot provides services based on agricultural robotics and precision agriculture, such as manufacturing and selling solution and pollen spraying drones, intelligent irrigation systems, offering automation and robotic solutions including robots with specific tasks, condition monitoring services with drones, and drone aerial spraying.

If you have any question, refer

<https://sharifagrobot.com/en/contact-us>

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Funding Capacities

Sharif Research and Technology Fund is the most important financial institution supporting technology companies in Sharif district. Two types of services are provided in the technology research fund based on the charter. The first category is based on the statute and the second category is updated based on the changes and developments that take place in the park. According to the charter, the fund has three main special functions: facilities, guarantees and investments.

1 Guarantees

This has a process similar to that of banks and includes a guarantee of participation in the tender, fulfillment of obligations and advance payment. The fund also provided companies with a credit guarantee, which is a commitment to pay. That is, if a company is faced with a problem of collateral to receive facilities from a bank or financial institution, in this situation, the fund provides the necessary guarantee.

2 Facilities

This type of service is provided in both direct and indirect ways. In the direct type, either the Fund's own resources are used, or the resources that the agency fund has or a line of credit. For example, it is possible to use the credit line of Innovation and Prosperity Fund, which is our direct facilities from other sources. At the same time, there are also indirect facilities, in the framework of which the Fund introduces companies to the bank to receive facilities. For example, the company may be introduced to the Export Development Bank by the Fund and do the validation based on its own parameters.

3 Investment

Compared to the previous two functions, this service is different because it involves participation. Usually, projects that are attractive and have reached an initial product and need capital for their growth, the Fund evaluates it according to the attractiveness of the company and, after a financial agreement, receives a part of their share. We provide them with the liquidity they need. In this case, the Fund will be active in this investment for several years and then it will be withdrawn. In the field of investment, there are no restrictions for domestic or foreign companies. Even if a project wants to be implemented abroad, it will be supported by the fund. But there are restrictions on guarantees and facilities services for foreign companies. If domestic companies need facilities for export, they will be supported by the Fund both directly and indirectly. This is one of the main tasks of the Export Development Bank, which the Fund is its shareholder. For more information refer <http://sharifvc.ir/en>

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International Cooperation

According to the model document of the statutes of science and technology parks that approved by the Ministry of Science, Research and Technology in 2015, the presence and participation of international technology units, attracting investment in technology units, creating the necessary grounds for the participation of domestic and foreign technology firms, and the presence and cooperation of foreign technology units has been emphasized. Besides, the Sharif Innovation Park has the opportunity to cooperate with all university park that have signed cooperation documents with the respective University. Base on the mentioned documents, Sharif Innovation and Technology Park is open to international cooperation in the four area of IT, Water, energy and environment, Mechatronics, and Aerospace.

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