

Prerequisites for Flourishing of Knowledge-based Systems

Iran's Perspective Document for the year 1404 emphasizes the knowledge-based system approach. In line with this document, we have had the incorporation of science into the development programs of the country and many of the factors for knowledge-based development such as establishing research and development centers, developing science and technology parks, increasing the GDP share of research and promoting higher education have been taken into consideration. To find a way out of economic problems, we have no other choice than establishing knowledge-based system in the country. Hence, we should strive to make these systems flourish. The development of knowledge-based system includes employing wise, ethical and skilled human resources, international branding, creating dynamic capabilities, culture cultivation and facilitating laws and regulations.

Possessing wise and skilled human resources is the key to the progress of every country. International branding helps systems to expand their vision and enter into the regional and global markets. The achievements to global markets need great experiences, existence of simple and transparent supportive laws, cooperative environment, good policy, advanced political development and highly qualified export property. Creating dynamic capabilities is another task for knowledge-based system.

Dynamic capability is to have the capacity to rearrange and develop internal and external competencies to adapt to sudden changes in the environment. The culture of the society greatly affects the rate of the emergence of knowledge-based system. Designing, making and implementing effective policies in the field of knowledge-based system can delineate clear goals and plans toward the advancement of the country.

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