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## Project Title: Practical Mechanism For Sustained Research Funding

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<b>Project Financial Code:</b>	173006	<b>Project Quality Code:</b>	PFMPN05/E
<b>Type of Project/Program:</b>	Research Assistant	<b>Assistant:</b>	Research policy

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### Keywords:

Research development, financing, organizational cooperation, strategic alliance, joint venture, consortium, collective financing.

### Project Necessity:

One of the most important issues in the fields of policy making and planning of scientific and research affairs of the country is the production of science. Because the production of science and the development of research is one of the factors affecting the long-term economic growth of countries. This is important in developed countries, which accounts for a large share of GDP, but one of the main problems in research development, especially in developing countries, is the research funding, or in other words, research funding provided by the government. In Iran, as in other low-income countries, a small share of GDP is generally allocated to research. Therefore, the financing of research in order to develop research in the country and also in the electricity industry, is not fully within the power of the government and requires the use of other methods of financing

### Project Goals:

In order to develop research in the country, the electricity industry as one of the largest sectors of the country's industry needs to develop research, so to reduce the gap between current and optimal research costs in the country's electricity industry, develop research in companies under the electricity industry Will be reviewed. Therefore, the purpose of this study is to investigate the share of research in companies under the electricity industry and how to organize the development of research in this industry and finally provide a solution for research development in companies under the electricity industry. The first step is to review the executive mechanisms Sustainable finance is research and innovation in the electricity industry

## **Abstract:**

One way to expand research activities in the electricity industry is through collaborative research. Collaborative collaboration follows the concept of collaboration between organizations, and one type of relationship between organizations is collaboration. The collaboration focuses on the process by which individuals, groups, and organizations come together and interact with each other. And form a relationship for mutual benefit or advancement. The result of examining the theoretical foundations is cooperation in the form of strategic alliance, joint venture and consortium, which according to the characteristics of each and also considering the objectives of cooperation, the best way of cooperation in companies under the electricity industry is to form a research consortium. In forming a research consortium, the requirements for the formation and continuation of inter-organizational cooperation should be considered. According to the theoretical foundations, the factors affecting cooperation can be divided into two categories: a) organizational factors b) motivational factors: The first step in forming cooperation is to create the necessary motivation for cooperation between the parties. The result is the beginning of cooperation between the parties

## **Steps and Methodologies:**

This research has been carried out in two parts. In the first part, the theoretical foundations, coordination, review and updating of financing strategies are presented. In this section, issues such as: 1- Research and development process in Iran and other countries 2- Theoretical foundations including obstacles Research development and industrial economics model (scp), compression mechanisms and traction mechanisms and research development models, strategic alliances and joint ventures in research and exchange costs are examined. The most important models received from the theoretical foundations in this regard have been the models of research unity and cooperation. 3- The proposed model is presented based on theoretical foundations for the electricity industry. Proposed projects are also presented at the end of the chapter In the second part, the financing strategies have been reviewed and updated, and the solutions have been presented in a classified map. In this section, issues such as: 1- Theoretical foundations of collective investment and endowment