

Research Projects – Building the Foundation with Technology and Turning Research into Application

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I. Objectives of Research Projects

The Ministry of Science and Technology has injected substantial resources over the years towards subsidizing researchers from colleges, universities and research institutions to engage in research projects covering aspects such as knowledge exploration, middle and upper reaches of key technology R&D and development projects that span longer periods of time with relatively higher degrees of uncertainty in order to accomplish the following objectives:

1. Elevate academic quality: Promote academic research so as to boost Taiwan's R&D quality and international competitiveness
2. Facilitate social benefits: Strengthen the efficacy of social services by constructing systems of humanistic technologies
3. Offer industrial technology: Proliferate the results of R&D so as to enhance industrial and economic benefits

II. Focus of Research Projects

1. To emphasize the originality of research topics: It is imperative for outstanding academic research to have originality and bring substantial impact. And as such, research projects should avoid “me too” topics and obsession with publishing dissertation but ought to strive to contribute to areas of academic innovation, economic development, or general welfare for society as a whole through the pursuit of originality in research topics and methodologies in order to create differentiated value.
2. To place greater value on the benefits of targeted research outcomes: Fundamental research emphasizes a breakthrough in specific scientific problems, whilst applied research emphasizes the solution to practical problems. And as such, research projects shall aim to ensure due implementation and generation of the anticipated benefits through

improvement in project implementation and the feasibility of the steps involved. In order to generate the maximum benefits from the investment of governmental resources in the area of scientific development, one ought to accentuate the positive externality of academic research by achieving breakthroughs in existing scientific problems or in solving practical problems.

Under the premise of respecting the expertise and unique nature of different academic domains and cherishing limited research resources, each department shall formulate developmental strategies for their respective academic discipline. Through appropriate design of project application and review mechanisms and improved communication with the review committee, each department shall guide their principle investigators in their pursuit of project originality in order to ensure the materialization of their project output and achieve the effects of proliferation.