**AY2023 Support Program for Young Researchers and Doctoral Students**

**Application Form (Young Researchers)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Leader | Name |  | Affiliation |  |
| Position |  | E-mail |  |
| Role |  | Ph.D. degree | Faculty of XX, XX University, 20XXSpecial Remarks: |
| Members | ➀ Name |  | Affiliation |  |
| Position |  | E-mail |  |
| Role |  | Ph.D. degree | Faculty of XX, XX University, 20XXSpecial Remarks: |
| ➁ Name |  | Affiliation |  |
| Position |  | E-mail |  |
| Role |  | Ph.D. degree | Faculty of XX, XX University, 20XXSpecial Remarks: |
| ➂ Name |  | Affiliation |  |
| Position |  | E-mail |  |
| Role |  | Ph.D. degree | Faculty of XX, XX University, 20XXSpecial Remarks: |

\*Add lines as necessary.

**１. Outline of the Research Project**

|  |  |
| --- | --- |
| Title of the Research Project |  |
| Outline of Research(Please enter 150 words or less.） |  |

**２.** **Necessary Expenses**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Research Plan (entire period) | AY2023 | Total (yen) | Facility/equipment expenses  | Supplies expenses | Travel expenses | Honorarium, etc.  |
|  |  |  |  |  |
| Detailed Statement | Item and specifications | Amount (yen) | Item description | Amount (yen) |
| Facility/equipment expenses | Supply expenses |
|  |  |  |  |
|  |  |  |  |
| Travel expenses | Honorarium, etc. |
|  |  |  |  |
|  |  |  |  |

**３.** **Purpose of Research, etc.　（Descriptions should be given within four (4) pages.）**

|  |
| --- |
| [Purpose of Research]In this column, write a brief description of the concept and specific objectives of the proposed　research project. Specifically, describe the following:(1) The scientific background of the proposed research project(2) What you plan to elucidate, and to what extent, within the research period(3) The scientific features of the proposed research project |

<The scientific background of the proposed research project>

- Are the research project and its specific research plans clearly described and easy to understand by the reviewers outside of the principal investigator’s area of expertise?

- Is the description of the research project organized well enough to be read by reviewers, using simple expressions in the whole, effectively using figures, new lines, and blank space?

- Use at least 10.5 point font and add lines where necessary.

**\* Please delete this text box when submitting the documents.**

<Objectives to be attained within the research period>

<Scientific specificities of the proposed research project>

|  |
| --- |
| [Specific Research Plan and Methods]In this column, write a brief description of the specific research plan and the methods of achieving the research objectives. (1) Research plans and methods for the AY2023(2) Describe the research system used to pursue the proposed research project. If there are any co-researchers, clearly describe the roles that the principal researcher and the co-researcher(s) will play within the team, and explain the necessity, legitimacy, and relevance to the research objectives of the research organization from a scientific perspective. |

<AY2023 Research Plan and Methods>

<Research System>

[Rational Justification of Research Costs]

In this column, provide a rational justification of the research costs in consideration of the research system and other details described in the “Research Plan and Methods” column. Specifically, if the facility and equipment expenses surpass 50 percent of the research budget, include a basis for the estimates of research costs and an explanation of the necessity thereof (e.g., a breakdown).

[Future Development of the Research] (Application for KAKENHI, module program at Q-PIT, etc.)
In this column, describe the future development of research that will cover the same topic as in proposed research project, and plans to apply for external funds after the achievement of the research objectives of the proposed research project.
\*For a scheduled application of KAKENHI or module at Q-PIT, provide the category for which you plan to apply, the academic year you wish to apply for, and the title of the research project in the columns below.

Application Category(KAKENHI)

Application AY:

* The title of the research project should be the one that is planned at the current stage.
* Module name・research topic

Select from the ① to ③ below.

① Energy Materials and Device Cluster

Research on materials, devices, and processes related to energy conversion technology, energy saving technology, unused energy utilization technology, or related technologies.

② Energy System Cluster

Research on energy and material conversion systems that contribute to decarbonization,

innovative energy technologies such as energy infrastructure and next-generation mobility, and decarbonization system scenario planning.

③ Energy and Society Cluster

Research on future society and lifestyles considering smart wellness and wellbeing,

sustainable living and urban environments, regional growth strategies such as Society 5.0, decarbonized society models, economic systems, and institutional design.

**\* Please delete this text box when submitting the documents.**

Title of Research Project:

The title of module (Q-PIT):

Module name・research topic:

**４.** **Research Achievements of Leader（last four years）**

|  |
| --- |
| 　In this column, list important publications relevant to the proposed research project in reverse chronological order (from present to past) published so far, including academic papers, books and invited lectures. Regarding research achievements, mainly describe those after 2019. For papers submitted to scientific journals, list only those accepted for publication. Example of description: For a published research paper, describe the title of the paper, the names of the authors, the name of the journal in which the article was published, whether it is peer-reviewed or not, the volume number, the first and last pages of the paper in the journal, and the year of publication.For a book, include information on whether it was authored alone or co-authored, and whether it is a shared work/writing.\* If there are several authors, you may write down the names of the major authors and leave out the other authors. (In such a case, you may write the number of authors and the number of the order.) Underline your name. |
| Year | Research papers, books, (international conferences), invited lectures |
| Since 2022 |  |
| 2021 |  |
| 2020 |  |
| 2019 |  |
| Before 2019 |  |