

(CREST-Form 1)

**FY 2017 Application CREST Research Proposal**

|  |  |
| --- | --- |
| Research Area | Development and Integration of Artificial Intelligence Technologies for Innovation Acceleration |
| Title of proposed research project |  |
| Type of R&D method | Innovative integration of AI core technologies / Advanced development of AI core technologies  (Choose one type and Delete another) |
| Name of Research Director |  |
| Affiliated Institution, Section, Title |  |
| Researcher ID No. |  |
| Academic Background |  |
| Professional Appointments |  |
| Information about the Research Director | URL: |
| Research Period | [mm. yy] – [mm. yy]  (up to 2 years and 6 months) |
| Effort for the Proposed Research | The Effort in FY2017: % |
| Total Requested  Research Budget | Total Requested Budget: \_\_\_\_\_\_\_\_\_\_ million yen (up to 75 million yen) |

(CREST-Form 2)

**Research Proposal Overview and Major Achievements of the Research Director**

**1. Outline of the Research Project**

*Do not exceed two A4-size sheets (no exceptions)*

**2. List of principal research papers / invited lectures**

(1) List of principal research papers

(2) List of principal invited lectures

*Do not exceed one A4-size sheet (no exceptions)*

(CREST-Form 3)

**Project Description**

**1. Target and Objectives**

・Specific objective to be achieved in five years and six months, including the acceleration phase

・Specific objective to be achieved in the two years and six months of the small phase

**2.** **Background**

**3.** **Research Plans and Approach**

(CREST-Form 3 cont.)

**4.** **Research infrastructure and preparation**

**5.** **Originality and novelty of the proposed research and comparison to current state of similar studies**

**6．Future Prospect of Research**

*Do not exceed six A4-size sheets (no exceptions)*

(CREST-Form 3 attached sheet)

**Research Proposal Form 3 (Project Description) - Attachment**

(CREST-Form 3 – Attachment)

***Please envision the value to be provided to society in the event that the proposed research content is implemented in society in the future or becomes the basis for a company start-up, and provide responses to each of the following items.***

***Please make your responses clear and concise.***

*Note: Please limit your responses* ***to a single page in total****. Ultimately, the text boxes with the explanatory text* ***should be deleted*** *by the research proposal applicant.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Problem  Please specify the problem affecting society and users that will be resolved by the research. | Solution  Please specify the functions that will be provided to resolve the problem and create value.  New technologies, new services created by combining technologies, etc. | Unique value proposition  Please describe the value to be provided to society and users.  (Please give reasons explaining why users should select the proposed solution) | Unfair advantage  Please describe the advantage of the products or services that will be difficult for other entities to imitate in the event that the research achievements are implemented in society or become the basis for company start-up. | Users  Please specify the users (the persons who will pay compensation) to whom the research achievements will provide value.  Please narrow down the combination of user attributes (industry, profession, region etc.) |

(CREST-Form 4)

**Research Project Organization 1**

(Research framework at Research Director’s Group)

**Research Director’s Group**

|  |  |  |  |
| --- | --- | --- | --- |
| **Research Director** | **Research Institution** | **Title** | **Effort** |
|  |  |  | ％ |
| **Research Participants** | **Affiliation (Omit if the same as above)** | **Title** | |
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**Note**

**Research subjects and overview (Do not exceed two A4-size sheets)**

* + **Title of research subjects in charge**
  + **Overview**

**Role in the entire research project**

(CREST-Form 5)

**Research Project Organization 2**

(Research framework at the Joint Research Group）

**Joint Research Group (1)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Lead Joint Researcher** | **Joint Research Institution** | **Title** | **Effort** |
|  |  |  | ％ |
| Researcher ID No.:  Institution Code: | |
| **Research Participants** | **Affiliation** (Omit if the same as above) | **Title** | |
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**Research subjects and overview (Do not exceed two A4-size sheets)**

* + **Title of research subjects in charge**
  + **Overview**
  + **Role in the entire research project and necessity**

**Joint Research Group (2)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Lead Joint Researcher** | **Joint Research Institution** | **Title** | **Effort** |
|  |  |  | ％ |
| Researcher ID No.:  Institution Code: | |
| **Research Participants** | **Affiliation** (Omit if the same as above) | **Title** | |
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**Research subjects and overview (Do not exceed two A4-size sheets)**

* + **Title of research subjects in charge**
  + **Overview**
  + **Role in the entire research project and necessity**

(CREST-Form 6)

**Budget Plan**

**Research Budget plan by item (entire team)**

***Note: Specify only for the 75 million yen during small phase of two years and six months.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **1st Year**  (2017.10  -2018.3) | **2nd Year**  (2018.4  -2019.3) | **3rd Year**  (2019.4  -2020.3) | **Total**  (Million Yen) |
| **Equipment** |  |  |  |  |
| **Materials /Consumables** |  |  |  |  |
| **Travel** |  |  |  |  |
| **Personnel and Services (Number of Researchers)** | （） | （） | （） |  |
| **Other** |  |  |  |  |
| **Total**（Million Yen） |  |  |  |  |

**Note**

(Continued on the next page)

(CREST-Form 6 cont.)

(Continued from the previous page)

**Research Budget plan by group**

***Note: Specify only for the 75 million yen during small phase of two years and six months.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **1st Year**  (2017.10  -2018.3) | **2nd Year**  (2018.4  -2019.3) | **3rd Year**  (2019.4  -2020.3) | **Total**  (Million Yen) |
| **Research Director Group**  **\*\*\* University** |  |  |  |  |
| **Joint Research Group (1)**  **\*\*\* University** |  |  |  |  |
| **Joint Research Group (2)**  **\*\*\* Laboratory** |  |  |  |  |
| **Total**（Million Yen） |  |  |  |  |

**List of major equipment costing 5 million yen or more (item, estimated cost）**

(CREST-Form 7)

**List of Achievements (Research Director) / Ex-Post Evaluation Results (Research Director)**

**1. Principal papers, books, and other publications related to this research proposal**

**2. Research papers/publications other than the above**

**3. Results of Post Evaluations of Research Project served as Principal Investigator of competitive research funding programs and so on ( only those which were open to public after FY2013.)**

(CREST-Form 8)

**List of Achievements**

**(Lead Joint Researcher(s))**

(CREST-Form 9)

**Patent list**

**(Research Director and Lead Joint Researcher(s))**

* **Major patents**

Application number, inventor, title of invention, applicant, and date of application

* + **Research Director**
  + **Lead Joint Researcher(s)**

(CREST-Form 10)

**Information on Other Supports**

(Note)

- Your entitlement to the JST funds may be cancelled at a later date even if you have been selected should your presentation fail to be accurate.

- If the results of applications for research grants become known, or if there are other changes in circumstances during the research proposal selection process that require that the information provided in this form be updated, please prepare a revised version of this form and send a message to the email address provided at the end of these requirements.

- Should you be selected for participation in the interview stage of the selection process, you may be asked to provide information on applications, plans, etc. submitted to other programs.

**Research Director (Proposer):** **Name: \_\_\_\_\_\_\_\_\_**

|  |  |  |  |  |  |  |
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| **Program** | **Status** | **Title of Project**  **（Name of principal investigator）** | **Research Period** | **Role**  **(Principal Investigator or co-Principal Investigator)** | **(1) Allocated Budget**  **(For entire period)**  **(2) FY 2018 (planned)**  **(3) FY 2017 (planned)**  **(4) FY 2016** | **Effort**  **(％)** |
|  |  |  |  |  | (1) M yen  (2) M yen  (3) M yen  (4) M yen |  |
|  |  |  |  |  | (1) M yen  (2) M yen  (3) M yen  (4) M yen |  |
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(CREST-Form 10 cont.)

**Lead Joint Researcher (1):** **Name: \_\_\_\_\_\_\_\_\_**

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| --- | --- | --- | --- | --- | --- | --- |
| **Program** | **Status** | **Title of Project**  **（Name of principal investigator）** | **Research Period** | **Role**  **(Principal Investigator or co-Principal Investigator)** | **(1) Allocated Budget**  **(For entire period)**  **(2) FY 2018 (planned)**  **(3) FY 2017 (planned)**  **(4) FY 2016** | **Effort**  **(％)** |
|  |  |  |  |  | (1) M yen  (2) M yen  (3) M yen  (4) M yen |  |
|  |  |  |  |  | (1)  (2)  (3)  (4) |  |
|  |  |  |  |  |  |  |

**Lead Joint Researcher (2):** **Name: \_\_\_\_\_\_\_\_\_**

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| --- | --- | --- | --- | --- | --- | --- |
| **Program** | **Status** | **Title of Project**  **（Name of principal investigator）** | **Research Period**  **(fiscal year)** | **Role**  **(Principal Investigator or co-Principal Investigator)** | **(1) Allocated Budget**  **(For entire period)**  **(2) FY 2018 (planned)**  **(3) FY 2017 (planned)**  **(4) FY 2016** | **Effort**  **(％)** |
|  |  |  |  |  | (1) M yen  (2) M yen  (3) M yen  (4) M yen |  |
|  |  |  |  |  | (1)  (2)  (3)  (4) |  |
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(CREST-Form 11)

**Protection of Human Rights and Compliance with Laws and Regulations**

(CREST-Form 12)

**References and Additional Statement**

**・References**

**・Additional Statement**

Proposal Preparation Checklist

(CREST – Attachment)

○ Please give yourself plenty of time to go complete this checklist.

|  |  |  |  |
| --- | --- | --- | --- |
| Check | | Reference Material |  |
| Have you completed e-Rad researcher registration? | | Chapter 10 | □ |
| Have you completed the educational program on research integrity? | | Section 8.1 | □ |
| Conflict of interests with the Research Supervisor:\* | | Section 5.1.1 |  |
| a | The research project applicant is a relative of the Research Supervisor. | | No □ |
| b | The research project applicant and the Research Supervisor are both affiliated with the same smallest organizational unit (e.g. same research lab) of a university, national or other national government-funded research and experiment institution. Or, the research project applicant and the Research Supervisor are affiliated with the same company. | | No □ |
| c | The research project applicant and the Research Supervisor are presently working in close cooperation on the same joint research project. Or, have done so within the past five years.  (For example, the research project applicant and the Research Supervisor are working together on the same research project, are performing different parts of the same research project, or are co-authors of a research paper. If you have any questions, please contact JST.) | | No □ |
| d | The research project applicant and the Research Supervisor were in a close teacher-student relationship for a total of more than 10 years (not necessarily continuous), or were in a direct employer-employee relationship. “Close teacher-student relationship” means cases in which the research project applicant and the Research Supervisor were affiliated with the same research lab, and cases in which the Research Supervisor, though affiliated with a different organization, essentially functioned as a research advisor for the research project applicant. | | No □ |

\*When it is unclear whether any of the above conditions apply, please download and fill the Inquiry Form (http://senryaku.jst.go.jp/teian/en/koubo/h29youkou\_form-en.doc) and send it via email to rp-info@jst.go.jp.

Prior to electronic submission via e-Rad, please ensure that the proposal complies with the instructions in the format specified. Just before the deadline, e-Rad System would be slow due to heavy load. Please give yourself plenty of time to complete submission of proposal.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Items | Check point |  |
|  | Input of general information on the applicant to e-Rad | All necessary information is provided. | □ |
| Form 1 | Information on the applicant | All necessary information is provided.  Information is matched with e-Rad data. | □ |
| Form 2 | Research Proposal Overview and Major Achievements of the Research Director | When converted to PDF format: Is Item 1 no more than two pages long? Is Item 2 within one page? | □ |
| Form 3 | Project Description | Form 3 must fit in 6 sheets | □ |
| Form 4 | Research Project Organization 1 | All necessary information is given (Particularly, Institution Code, Researcher ID No. and effort is provided). Is the Item "Research subjects and overview" within two pages? | □ |
| Form 5 | Research Project Organization 2 | All necessary information is given (Particularly, Institution Code, Researcher ID No. and effort are provided). Is the Item "Research subjects and overview" within two pages? | □ |
| Form 6 | Budget Plan | Total Sum is matched with the research budget given in Form 1. | □ |
| Form 7 | List of Achievements (Research Director) / Ex-Post Evaluation Results (Research Director) | List a maximum of 20 principal papers. | □ |
| Form 8 | List of Achievements (Lead Joint Researcher(s)) | Do not exceed 10 papers for each Lead Joint Researcher. | □ |
| Form 9 | Patent List (Research Director, Lead Joint Researcher(s)) | Form 9 must fit in 1 sheet or less. | □ |
| Form 10 | Information on Other Supports | All necessary information is given. | □ |
| Form 11 | Protection of Human Rights and Compliance with Laws and Regulations | Even when this is not applicable, please indicate that. | □ |
| Form 12 | References and  Additional Statement | Form 12 must fit in 2 A4 sheets | □ |