**FRIENDSHIP 2.0 Research Grant 2023**

**APPLICATION**

**for**

**Industrial Collaboration (IC)**

1. **PI and Co-PI**

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| **1** | **Applicant (Principal Investigator, PI)** |
| 1.1 | Family Name |  |
| Given Name(s) |  |
| 1.2 | Current Position at IITH |  |
|  | Title |  |
|  | Department |  |
| 1.3 | Contact | e-mail: Mobile Phone: |
| 1.4 | Curriculum Vitae | Attachment 1 |
| **2** | **Co-PI in Japanese Industry** |
| 2.1 | Family Name |  |
|  | Given Name(s) |  |
| 2.2 | Current Position |  |
|  | Title |  |
|  | Department/ Unit |  |
|  | Company |  |
| 2.3 | Contact | e-mail: Telephone: |
| 2.4 | Agreement | 1) Copy of Letter □ Copy of e-mail Attached2) Copy of agreement Letter on Funding Attached  (Funding amount )  |
| **3** | **Past Collaboration between PI and Japanese Co-PI** |
| 3.1 | Interaction in India and/or Japan (including interactions by research team members and internship) |
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| 3.2 | Collaborative Achievement (including co-authored papers, joint seminars, etc. if any) |
|  |
| 3.3 | Others |
|  |
| **4** | **Japanese Advisor (if any Japanese university researchers who support the research)** |
| 4.1 | Family Name |  |
| Given Name(s) |  |
| 4.2 | Current Position |  |
| Title |  |
| Department/ School |  |
| University/Institute |  |
| 4.3 | Contact | e-mail: Mobile Phone: |
| 4.4 | Agreement | Copy of Letter □ Copy of e-mail Attached |

**II. Research Description**

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| **5.1** | **Research Title (no subtitles)** |
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| **5.2** | **Rationale and Objective of Proposed Research (200 words)** |
| 1. Objectives (Specify a concrete research question to be cleared through FRIENDSHIP 2.0 joint research with Co-PI in industry.)
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| 1. Advantage of Research for Academic and Industrial Sectors
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| **5.3** | **Novelty of Proposed Research** |
| 1. Advanced Research (List 5 academic papers and explain the novelty of this research within 100 words)
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|  |
| 1. Patent Search (Search patents, registered/applied for, on the United States Patent and Trademark Office, US PTO: <https://www.uspto.gov/patents/search>, list related prior arts if any, and explain the novelty of this research within 100 words)
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| **5.4** | **Research Method and Procedure (300 words)** |
| (Clarify the part that Co-PI should conduct. It is not necessary to describe the details of the technology that you are going to develop by this joint research.  |
| **5.5** | **Research Team** **Member (PI and Co-PI)** |
| Attachment 2 (Excel Sheet)Clarify the research tasks of each team member, including graduate students.Note that the FRIENDSHIP 2 Research Grant does not cover students’ travel costs. . |
| **5.6** | **Time Schedule**  |
| Attachment 3 (Excel Sheet) The schedule must be relevant to the research tasks of each team member given in the above and the budget.Include 1) Joint seminars/Co-PI’s lectures for IITH faculty members and students, 2) Oral presentation at international conferences in Japan, 3) Member exchange and students’ internship utilizing Co-PI’s funds Note that the travel costs of students and Co-PI in the industry are not covered. |
| **5.7** | **Expected Outputs** |
| 1. Master’s thesis/dissertation of member students by co-supervision with Co-PI
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| 1. Plan of further cooperation with Co-PI
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| 1. Plan of a joint application for research grants after the FRIENDSHIP 2.0 grant
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| 1. Plan of co-authored paper and/or patent application
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| 1. Others
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| **4.9** | **Budget** |
| Attachment 4 (Excel Sheet) |

**Attachment 1: Curriculum Vitae of Principal Investigator**

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| 1. **Personal Data**
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| Name: | Gender: □ F □ M □ Other |
| Date of Birth (Place): yyyy/mm/dd ( ) |
| Academic Position at IITH: | Office Address: |
|  Tel. Fax. | E-mail: |
| 1. **Academic Activity**
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| **B-1. Academic Qualification** |
| Ph.D. (Year, Field, Institution/Country) Master(Year, Field, Institution/Country)Bachelor (Year, Field, Institution/Country) |
| **B-2. Major Research Experience** |
| (Year, Field, Institution/Country) |
| **B-3. Experience of Activities in Japan** |
| (e.g., Visiting researchers, conference attendance, etc.) |
| **B-4. Major Research Achievements (recent five years)** |
| 1. Academic Journal Paper (up to 10)

(Authors, year, “title,” *journal*, pp.)1. Book

(Authors, year, *title,* publisher, country of publication) |