

FRIENDSHIP 2 Research Grant 2022

APPLICATION for Industrial Collaboration (IC)

I. PI and Co-PI

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:	Mobile Phone:
2.4	Agreement	1) <input type="checkbox"/> Original Letter <input type="checkbox"/> e-mail Attached 2) <input type="checkbox"/> Agreement Letter on Funding Attached	
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)		
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 application)		

	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	Original Letter <input type="checkbox"/> e-mail <input checked="" type="checkbox"/> Attached

II. Research Description

4.5	Research Title (no subtitles)
5.2	Rationale and Objective of Proposed Research (200 words)
	<ol style="list-style-type: none">1) Objectives (Specify a <u>concrete research question</u> to be cleared through FRIENDSHIP 2 joint research with Co-PI in industry.)2) Advantage of Research for Academic and Industrial Sectors
5.3	Novelty of Proposed Research
	<ol style="list-style-type: none">1) Advanced Research (List 5 academic papers and explain the novelty of this research within 100 words)2) 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)
5.4	Research Method and Procedure (300 words) (Clarify the part that Co-PI should conduct)
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 are not covered.

5.7 | Expected Outputs

- 1) Master's thesis/dissertation of member students by co-supervision with Co-PI
- 2) Plan of further cooperation with Co-PI
- 3) Plan of a joint application for research grants after the FRIENDSHIP 2 grant
- 4) Plan of co-authored paper and/or patent application
- 5) Others

4.9 | Budget

Attachment 4 (Excel Sheet)

Attachment 1: Curriculum Vitae of Principal Investigator

A. Personal Data		
Name:		Gender: <input type="checkbox"/> F <input type="checkbox"/> M <input type="checkbox"/> Other
Date of Birth (Place): yyyy/mm/dd ()		
Academic Position at IITH:		Office Address:
Tel.	Fax.	E-mail:
B. Academic Activity		
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," <i>journal</i> , pp.)		
2) Book (Authors, year, <i>title</i> , publisher, country of publication)		

Proposed Research Title:**List of Research Team Member****PI Team**

*Assign concrete research task to each member including graduate students.

Research tasks must be relevant to 3. Time Schedule and 4. Budget.

Name	Status	Academic Title		Major Responsibility*
Dr.	PI (Sub-PI)	Professor	Dep. of	Overall responsibility for the project implementation
	Researcher			
	Research Assistant		Master's Student/Current Semester	(Research subtopic)
	Research Assistant		Doctoral Student/Current Semester	(Research subtopic)

Co-PI (Industry) Team

Name	Status	Affiliation		Major Responsibility
Dr.	Co-PI	(position)	(Dep/Unit/Company)	Collaboration with PI
	Co-researcher			

Academic Advisor

Name	Status	Affiliation		Major Responsibility
Dr.		(position)	(Dep/School/University)	Academic advice

Proposed Research Title:**Time Schedule**

Note: Activities must be consistent with research tasks and budget.

Activity		Person in Charge	2022	
Subtopic 1:				
1-1	Example	Dr.		
1-2	Example	Dr.		
Subtopic 2:				
2-1				
2-2				
Subtopic 3:				
3-1				
3-2				
Visits by Japanese Researcher (Applicable only when Co-PI's fund is available)				
(Research/Lecture/Co-supervision)		(Researcher/Duration)		
Short-term Research at Co-PI's Lab in Japan (Tentative Schedule)				
(Purpose)		(Participant/Duration)		
Joint Seminar/Co-PI's Lecture/Internship (Tentative)				
(Purpose)		(Place)		

Proposed Research Title:

Budget

*Attach quotation in English (Internet information will do). Unit prices must not be more than JPY 500,000.