

[Guideline] (Delete this page before submission)

- **The body of the document** should be written in English, and should be from **3 to 10 pages**. Comply with the designated format.
(Figures/Pictures/Charts/Graphs/etc. are included in the body length)
 - **Format:** Top/Bottom Margins: 25mm, Left/Right Margins: 20mm, Line Spacing: 1.15 lines, Font: Times New Roman, Font Size: 10pt or bigger (Format already applied to this template)
 - **The appendix is mandatory and there is no length limitation.**
 1. Reference
 2. Brief information of institute
 - A. Researcher profile
 - i. Personal Information
 - ii. Education
 - iii. Experience
 - iv. Published Papers (Last 3 years)
 - v. Participation in other research projects
 - vi. People
 3. Research Equipment and Facilities
 4. Budgetary Plan
- ※ You should fill out in detail including research goals, approaches to achieve them, and differences with existing technologies or researches.
- ※ The research fund should be written in units of USD 1K.
- ※ The research fund is about **USD 50K-100K/yr (KRW 50million-150million/yr)**. Evaluation shall be conducted whether the size of the research group is appropriate for relevant research, and budget allocation is feasible and suitable to achieve the research goal. Research fund can be adjusted based on a consultation with researchers reflecting the opinions of the judging committee, etc. at a time of evaluation or contract settlement.
- ※ The total research period should be **within 36 months**. Fill out the milestone in the body of the document only for the 1st year (~2023 4Q)
(Goals for next 2~3 years: Fill out not by milestone but by text)

[Summary]

Research Theme				
Research Goal				
Researcher	University		Department	
	Name		Phone	
	E-mail			
Collaborative Researcher (If needed)	Name (University)			
Research Fund	USD K			
Research Period	Months			

※ You only need to fill out the ‘Collaborative Researcher’ item if necessary

[Body]

Research Theme:

Fill out freely including the following content

1. Importance of the research (Motivation and Vision, within 15 lines)
:
2. Research summary
:
3. Description of key tasks for 1st year and quarterly goals (The research results will be quarterly shared)
☐ Fill out in qualitative milestone form (From 2022 4Q to 2023 4Q)

The contents written in the table below is the example, so please delete the contents and fill it out.

Research Items	Target	Research Schedule (1 st year)				
		2022	2023			
		4Q	1Q	2Q	3Q	4Q
Material Screening	New Channel Material Screening					
Transistor Properties Evaluation	Device Properties Evaluation					
Low Contact Resistance Formation	Contact Improvement					
(※Adding rows is allowed)						

4. Research goals for next 2~3 years (Please include detailed approaches as well. At least 10 lines)
5. Expected outputs (At least 10 lines)
6. Experience in performing similar tasks (If you do not have, submit blank)

[Appendix]

1. References (Within 20 in importance order)

- ◆ Please distinguish the references (theories, principles, prior researches, prior patents, etc.) that can support the proposed research and references about existing technology and research methods.

2. Brief information of Institute

Univ.	
Professor :	
No. of Researchers by Degree (Headcount)	
PhD :	
PhD Student :	
Master's Student :	
etc :	
Total :	

A. Researcher Profile

1) Personal Information

Name		Position	
Birth			
University Address			

2) Education

Year (Start-End)	School	Field of Study	Degree

(※Adding rows is allowed)			
Thesis Title for Latest Degree			

3) Experience

Year	Company Name	Position

4) Publication (Last 3 years)

- Mark * for all corresponding authors and # for all first authors if there are more than one first author.

i) Journal

ii) Academic conference presentation

iii) Patent

5) Participation in other research projects

Classification (End/On progress)	Research Theme	Supporting Institute	Research Fund (Unit: K)	Research Period (Start-End)	Role
(※Adding rows is allowed)					

6) People

Name	Degree	Participation Period
(※Adding rows is allowed)		

3. Research Equipment and Facilities

The contents written in the table below is the example, so please delete the contents and fill it out.

Name	Standard	Quantity	Purpose
Plasma enhanced ALD System	6 inch	1	Deposition

4. Budgetary Plan

1) 1st Year

*** Expenses that are not directly related to research cannot be included (e.g. incentives, purchasing PCs for general use, lab workspace improvement, etc.)**

Item of Expenditure	Budget (USD, Unit: 1K)	Ratio (%)
1. Labor Cost * Should be kept under 30% for process/device/analysis projects and under 50% for design/software projects.		
2. Materials		
3. Equipment		
4. Overheads * Recommended to be under 15%.		
5. etc.		

Total		
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