

Full Research Proposal Application Form

PLAN	PROGRAM	CODE / NUMBER
The First Five-Year STI Plan	STRATEGIC TECHNOLOGIES Research Program	STRP-10
	SUB-PROGRAM / TECHNOLOGY AREA	
	TRACK	
	SUB-TRACK	
Proposal Title English		
Proposal Title Arabic		
P. Investigator English		
P. Investigator Arabic		
Institution		

SUBMITTED FOR THE DEADLINE ON	<input type="checkbox"/> 30 th MARCH	<input type="checkbox"/> 30 th SEPTEMBER	FOR GS-CNPESTI USE ONLY
DATE RECIEVED	<input type="text"/>		

PROJECT INFORMATION

Project Title				
Technology Area				
Track				
Sub-Track				
Project Type				
Proposed Total Budget	(not exceed 2 million) Saudi Riyals			
Estimated Duration	(max. 24) Months			
Proposed Starting Date	Month / Year			
Research Team	Senior Personnel			
	No.	Name	Research Status	Role
	1			P I
	2			CO- I
	3			CO- I
	4			CO- I
	5			
	Other Personnel			
	6		Postdoctoral Associate	
	7		Ph.D. Student	
	8		M.S. Student	
	9		Technician	
	10		Project Manager	
	11		Other	
	Consultant			
12		Country		
Keywords (max. 4)	1.		2.	
	3.		4.	
Is this Proposal being submitted to any other funding institution ?	<input type="checkbox"/> Yes, Specify		1. 2. 3.	
	<input type="checkbox"/> No			

TABLE OF CONTENTS

- **Cover Sheet for Proposal** (Form RE-D1)
- **Project Information** (Form RE -D1-1)
- **Summary (English):**
- **Summary (Arabic):**

This section should provide a summary of the proposed research project suitable for publication. The summary must not exceed one page in length (max.500 words) and should provide a coherent, clear and concise description of the research activity that would result if the proposal eventually obtains the funding requested. It should describe the objectives and methods to be adopted the proposed research as well as the expected broader impacts on development and society. It should be informative to other persons working in the same or related fields and understandable to scientifically/technically literate lay readers. It should not contain any proprietary or confidential information.

1. INTRODUCTION

The introduction should provide a brief background to the research proposal, briefly explaining the importance of the research being proposed, scope of work and conditions in which the project will be executed. A description of expected results should also be provided as well as an enumeration of fields/areas, and the extent of, their utilization. This introduction must clearly address the **relationship to the priority areas** of the Strategic Technologies, its tracks and sub-tracks.

2. PROJECT OBJECTIVES

This section should include a clear statement of the objectives of the research being proposed as well as enumerate assumptions, as appropriate. The objectives should be precisely and clearly defined **what is the question that this proposal addresses** and the significance of expected results. It should be coherent, well planned and **linked to tangible and measurable deliverables**.

3. LITERATURE REVIEW

This section include the background for context and should explain the significance of the **research issues involved**. Details of the **state of the art** in the research field should be briefly included with references. It should clearly identify the gaps in knowledge that the proposed research will address; and indicate how it relates to work in progress or in the past by the PI and his team, and to work in progress elsewhere.

(Note that this and the following section are two where many applicants in prior competitions did not provide sufficient information. Proposals lacking sufficient technical details make it difficult to have confidence in the merits of the proposed research and the suitability of the proposed methods. Applicants should demonstrate awareness of the current state of the art and support their research design with up-to-date references.

4. DESCRIPTION OF THE PROPOSED WORK

This should provide sufficient information of the work to be undertaken and describe in details **how the research questions raised by this proposal be tackled**. It should outline the general plan of work, including the broad design and methodology that will be adopted, and, where appropriate, provide a clear description of experimental methods and procedures as well as expected outcomes. The content of this section should be structured under the following headings:

4.1 Approach, tasks and phases: Details of the approach utilized to achieve each objective of the project should be clarified and illustrated (Form RE -D1-2). Research tasks and activities should be

divided into groups of assignments, listed in logical sequence and linked with the project objectives to be achieved (Form RE -D1-3).

APPROACH UTILIZED FOR ACHIEVING OBJECTIVES

Objective	Approach of achieving the objective
1	
2	
3	
4	

Form RE -D1-2

MAPPING OF PHASES AND TASKS TO ACHIEVE OBJECTIVES

Objectives	Phases	Tasks
1		
2		
3		
4		

Form RE -D1-3

4.2 Research methodology, including procedures and techniques to be used with explanation why these are considered the most suitable to the research in question; detailed description of the experiments and measurements; as well as methods to be used in data collection, analysis, and interpretation. A summary of potential pitfalls and constraints that may be faced and alternative plans that may be adopted in tracking such challenges.

4.3 Management Plan, indicating **how each member** of the project team would be involved (with durations) in executing specific tasks relating to the project (Form RE -D1-4). "MS Project" software may be used in this regard. This section should also clearly identify and outline the **role of collaborators or consultations** (if any) who might be contracted to provide assistance in carrying out the proposed research project. This sub section should also include various elements of the intended work plan; with phases, related tasks and outcomes, assignments, responsibilities, and dates of submission of progress and final technical reports as illustrated in (Form RE -D1-5) .

ROLE AND INVOLVEMENT DURATION OF RESEARCH TEAM

Team Members	Role	Duration (months)
Senior Personnel:		
Other Personnel:		

Form RE -D1-4

WORK PLAN AND TIME SCHEDULE

PHASES & TASKS	Duration		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Involvement																									
PHASE I	Participation																									
Task 1.1:																										
Task 1.2:																										
PHASE 2																										
Task 2.1																										
Task 2.2:																										
PHASE 3																										
PHASE 4																										

4.4 Project Deliverables: This should provide a clear statement of the **expected real, tangible and measurable outcomes** of the proposed research project. Relationship to the project **objectives and linkages** with goals of the concerned Strategic Technology Program must be elaborated (Form RE -D1-6).

RELATIONSHIP TO STRATEGIC FRAMEWORK

PROJECT EXPECTED OUTCOMES	STRATEGIC TECHNOLOGY PROGRAM GOALS				PROJECT OBJECTIVE ACHIEVED
	GOAL 1	GOAL 2	GOAL3		
1					
2					
3					
4					
5					

Form RE- D1-6

5. VALUE TO THE KINGDOM

The value to the Kingdom of Saudi Arabia of the proposed research project should be described in detail, in particular the **relevance to** the industrial base in the areas of technology concerned, or to other strategic sectors of the economy. A description of **potential positive impacts** on the economy and society at large as well as likely negative outcomes if any should be as clearly elucidated as possible. Benefits for education and training of Saudi students; the career development of researchers; etc. may also be outlined here. It is worth mentioning in this section the **targeted end users** and the suitable **mechanisms for utilization** and implementation of the project deliverables.

6. PROJECT EXECUTION

6.1 Current Resources: This sub-section should provide information on current or pending funding of the proposed project from any other sources. Equipments and instruments already available at the executing institution, should be enumerated and briefly described.

6.2 Requested Resources: This sub-section should include details of all requested human resources, equipments, materials and consumables, as well as details of transportation facilities and travel arrangements that may be needed in the execution of field work or special training required. Applicants must give details of all relevant costs.

6.3 Proposed Budget: Fill (Form RE-D1-7) to detail the budget in tabular form including all requested resources for the entire duration of proposed research project. Note that equipment valued at less than SR 10,000 should be included in the materials and consumables section.

SEE **INSTRUCTIONS**
BEFORE COMPLETING

**SUMMARY
PROPOSED BUDGET**

(in Saudi Riyals)

PROJECT TITLE								
DURATION		() MONTHS						
ITEM	CATEGORY	NO.	COMPENSATION	FIRST YEAR		SECOND YEAR		TOTAL
				MONTHS	BUDGET	MONTHS	BUDGET	
MANPOWER	CONSULTANTS							
	PRINCIPAL INVESTIGATOR							
	CO-INVESTIGATOR							
	OTHER SENIOR PERSONNEL							
	POSTDOCTORAL ASSOCIATE							
	RESEARCH ASSTISTATS :-							
	PHD STUDENTS							
	MS STUDENTS							
	UNDERGRADUATE STUDENTS							
	PROJECT MANAGER							
	TECHNICIANS							
	SECRETARIAL- CLERICAL							
	OTHER							
SUMMER COMPENS.	COMPENSATION 1							
	COMPENSATION 2							
TOTAL SALARIES (INCLUDING SUMMER COMPENSATION)								
EQUIP. & MATERIAL	MSJOR EQUIPMENTS (> = 100,000)							
	EQUIPMENTS (< 100,000)							
	MATERIALS & SUPPLIES							
ITEM TOTAL								
TRAVEL	CONFERENCES							
	TRAINING							
	FIELD TRIPS							
	TICKETS							
ITEM TOTAL								
OTHERS	PATENT REGISTRATION							
	PUBLICATIONS							
	WORKSHOP							
	OTHER EXPENSES							
ITEM TOTAL								
GRAND TOTAL								
SALARIES (INCLUDING SUMMER COMPENSATION)			%					
EQUIPMENTS & MATERIALS			%					
TRAVEL			%					
OTHERS			%					
GRAND TOTAL			100 %					

FORM RE- D1-7

6.4 Budget Justification: A detailed justification of the funding requested in each budget subcategory outlined in subsection 6.3. should specify if the equipment and infrastructure to be purchased using requested funds would be used in other research projects

8. UNDERTAKING OF THE RESEARCH TEAM: (Form RE -D1-8)

UNDERTAKING OF THE RESEARCH TEAM

The research team undertakes that:

- 1- The text and graphics herein as well as any accompanying publications or other documents, unless otherwise indicated, are the original work of the signatories or individuals working under their supervision.
- 2- No part of this proposal has been funded by any other source.
- 3- No existing funds are available to the research being proposed from any other source.
- 4- No fund would be sought from any other source if an award is made as a result of this proposal.
- 5- We agree to accept responsibility for the scientific conduct of this project.

ROLE	INVESTIGATOR NAME	SIGNATURE
Principal Investigator		
CO- PI. 1		
CO- PI. 2		
CO- PI. 3		
CO- PI. 4		
CO- PI. 5		

Form RE- D1-8

9. REFERENCES

References should be cited in the standard style used in scientific/technical publications. Links to online versions may be provided together with dates on which the material was accessed.

- 10. RESUMES :** A biographical sketch (limited to max.3 pages) is required for each senior personnel who will be involved in the research project including the PI should submit. It should include information regarding professional preparation, appointments, publications, synergistic activities and collaborators and other affiliations. If consultants are involved, their resumes are required together with a letter from each of them confirming their acceptance to act as consultants to the research proposal.