Research Projects are invited

for

RGPV Best Project Award

Rajiv Gandhi Proudyogiki Vishwavidyalaya

(University of Technology of Govt. of Madhya Pradesh)

Accredited with Grade 'A' By NAAC

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Rajiv Gandhi Proudyogiki Vishwavidyalaya is delighted to award the Best Research Project from Faculty, Post- Doctoral Fellows, Doctoral Fellows, Post-Graduate Students, Under-Graduate Students of UIT and UTDs of the University during the current academic year i.e. 2022-23.

The proposal should reach the University on or before 30th November 2022.

The Research Proposal should be prepared strictly according to the format given in the application for submission of proposal in the form of email to naac2022@rgpv.ac.in and two hard copies to The Director, IQAC, RGPV, Bhopal. The following document should be enclosed with the proposal:

ANNEXURE I: Forwarding of the Head of the Department (UIT) / Director (UTDs) on their official letter head.

ANNEXURE II: Forwarding of the Director of UIT, RGPV, Bhopal on their official letter head (*Applicable to the applicants of UIT, RGPV, Bhopal only*).

This invite contains two parts:

Part A: Research Project Proposal

Part B: Power Point presentation

Part A: **Research Project Proposal**

Title Page and Table of Contents	Include the project title on the first page not exceeding one and half-lines to clearly indicate its subject & aim. Include a table of contents on the second page.
Abstract	Write a brief description of the project that summarizes the purpose of the project, hypothesis, procedures, expected outcome/s with significance (maximum 250 words).
Research Questions and Hypothesis	Clearly state the research problem/question and hypothesis. Explain what prompted the research, discussing the importance of the research in a greater context. Summarize background information from a literature review that helps the reader understand the research question (maximum 1000 words).

Materials and Methods	Describe in detail the materials and procedures used to collect data and to make observations. State what protocols and/or data sets are used (maximum 750 words).
Expected Outcomes and Significance	Discuss the possible results and significance of your proposed study (maximum 250 words).
Acknowledgements:	Credit those who assisted in the research.
References/Bibliography:	List books, journal articles, web sites, and other communications used in your investigation or cited in your project in alphabetical order of last five years.
Plagiarism Report	Attach plagiarism report generated by Turnitin with a similarity percentage less than 20.

Guidelines for Preparing Budget:

The Budget should be prepared for different heads of expenditure such as:

1) Consumables and Chemicals with information about their approximate costs.

2) Equipment: Request for minor equipment (30% of the total cost of the project) will be considered.

3) Other expenditure such as Contingency and Travel within India, if needed, may be considered.

4) The date of commencement of the Project will start from the date on which the University approves the Projects.

5) The Investigator/s will be governed by the rules and regulations of the University and will be under administrative control of the University for the duration of the Project.

6) The Investigator shall complete the project within the stipulated period. Head of the Institution will monitor the project and in case of failure to complete the

Research Project, University may ask for the refund of the amount received as project grant.

Budget Allocation:

Sanction of the budget will be based on the following terms and conditions:

1. The below-listed items are **not** to be permitted under this Scheme:
   - Manpower.
   - Laptops, Computers, Workstations, etc.
   - Free source license version software available with the University.
   - Facilities are already available in the respective Department/ School in the form of Equipment, Books, Periodicals, etc.

2. Software should be developed by the PI/ Mentor PI/ Co-PI and not outsourced to any company.

3. The license software should be procured on a perpetual basis, not a yearly basis.

4. Budget proposal should be based on the **justification in detail with Documentary Proof** in the form of a Budgetary Quote (at least one) of the recommended projects under Anvikshana (Grant-in-Aid) Minor Research Project according to the following table:

Heads (with justification)	1-6 Months (in Rs.)	7-12 Months (in Rs.)	Total (in Rs.)
Minor Equipment	(Up to 30% of the total cost)	--	
Consumables	(Up to 20% of the total grant)	(Up to 15% of the total grant)	
Contingency	(Up to 10% of the total grant)	(Up to 10% of the total grant)	
Travel within India	(Up to 5% of the total grant)	(Up to 10% of the total grant)	
Grand Total			

Part B: Power Point Presentation Format

- Introduction (1 slide)

- Rationale (1 slide)

- Objective/s (1 slide)

- Hypotheses (1 slide)

- Literature Review/Theory (1 slide)

- Materials and Methods (1-3 slides)

- Expected Outcome/s and Significance (1-2 slides)

EVALUATION CRITERIA FOR BEST PROJECT

Scientific Thoughts and Principles (20%)	• A hypothesis or project design that is clear and well stated based on study and observation. • An experimental procedure that is effective in testing the hypothesis, or an innovative design that is an effective solution to the problem posed, or a study designed to produce significant new insights. • A demonstration of the deep knowledge of the scientific and/or engineering principles involved. • A careful extrapolation from what was learned to the subject in general or to related subjects.
Originality and Creativity (20%)	• An original problem or an original approach to an old problem. • A creative approach to the design of the experiment, the innovation or the project overall. • A creative use of materials and equipment. • Creative or original thinking in the application and the interpretation of any data obtained.
Thoroughness (10%)	• The purpose carried out to completion within the scope of the original intent. • Complete covering of the problem. • Familiarity with scientific literature in the studied field.
Skill (10%)	• Design and Development • Use of instruments/tools • Has requisite skills
Relevance (20%)	• Fundamentally suited to achieve the goals associated with the project.

	• Whether the project appropriately addresses an important development goal, took into account the strategic requirements.
Cost-effectiveness (10%)	• Whether the proposed methodology is the cheapest way to arrive at the desired result. • Consideration of the costs and expected benefits.
Communication (10%)	• A good display providing the information of the project in a logical progression. • Logical and enthusiastic oral presentation. • Appropriate project report.

Important Points:

1) Projects will be evaluated in the University by Expert Committee including two respective External Experts and Head/ Director of the concerned Department/ School under the Chairmanship of Honorable Vice Chancellor of RGPV, Bhopal.

2) The finalization of projects will be based on the order of merit of the evaluated proposals representing various branches.

3) Graduate students, Post Graduate Students, Doctoral Fellows, Post Doctoral Fellows, and Faculty members who have been awarded shall not apply in two consecutive years.

4) If the PI are Graduate students/ Post Graduate Students/ Doctoral Fellows/ Post Doctoral Fellows/ Contract Faculty, then a Mentor PI (Parmanent Faculty) is mandatory.

Honours of the winners of Best Project Award

The winners of the Best Project Award will receive Certificate and Accolade as mentioned below:

Honour	Accolade (in Rs.)
Jupiter	40,000
Saturn	30,000
Uranus	20,000
Neptune	10,000

The awardees will execute their projects under *Anvikshana Grant-in-Aid Minor Research Project* at their respective Departments/ Schools of UIT/UTDs of RGPV, Bhopal under the guidance of their supervisor.

(Forwarding from the Head of the Department/ Director of the School on their official letterhead)

Certified that

The Department/ School welcomes participation of Prof. / Dr. / Mr. / Ms. _____, as the Principal Investigator of the **RGPV Best Research Project Award** entitled_____.

And he / she will assume full responsibility for implementing the project under the guidance of the Supervisor if awarded.

Place & Date

Signature with Seal of the Head of the Department/ Director of the School

(Forwarding from the Director of the UIT, RGPV on their official letterhead)

(Applicable for the UIT applicants only)

Certified that

The UIT, RGPV encourages participation of Prof. / Dr. / Mr. / Ms. _____ , as the Principal   Investigator   of the **RGPV Best Research Project Award** entitled

_____.

And he / she will assume full responsibility for implementing the project under the guidance of the Supervisor if awarded.

Place & Date

Signature with Seal of the Director of the UIT, RGPV, Bhopal