

**FORMAT FOR SUBMISSION OF PROPOSAL FOR  
MINOR RESEARCH PROJECT**

**PART -A**

1. Broad Subject : Life Science
2. Area of Specialization : Botany
3. Duration : 2 Years
4. Principal Investigator:
  - i. Name : Dr. Meenakshi Bharadwaj
  - ii. Sex : Female
  - iii. Date of Birth : 02.04.1973
  - iv. Category : General
  - v. Qualification : M.Sc., M.Phil., Ph.D
  - vi. Designation : Assistant Professor
  - vii. Address :
    - Office : Department of Botany  
Indira Gandhi Government Arts and Commerce College  
Vaishali Nagar, Bhilai District Durg (C.G.)
    - Residence : 1/1 Street 7B Maitri Nagar, Risali,  
Bhilai District Durg (C.G.)
    - Email : [meenakshibharadwaj0204@gmail.com](mailto:meenakshibharadwaj0204@gmail.com),  
[meenakshi.b47@rediffmail.com](mailto:meenakshi.b47@rediffmail.com)
    - Phone : 9630196796
5. Name of the Institution where the project will be undertaken
  - (a) Department : Botany
  - (b) College : Indira Gandhi Government Arts and Commerce College,  
Vaishali Nagar, Bhilai, Durg (C.G.)
  - (c) Affiliating University : Hemchand Yadav University, Durg
  - (d) Whether the institute is located in rural/ Backward area: Yes
6. Whether the College is approved under Section 2(f) and 12 (B) of the College Act? Yes
7. Teaching and Research Experience of Principal Investigator:
  - (a) Teaching Experience : UG- 20 years PG- 16 years
  - (b) Research Experience : 8 years
  - (c) Publication :
    - Papers Published : 7

**PART- B**  
**Proposed research Work**

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8. (i) **Project Title:** "Morpho-Taxonomic studies of Flora of Indira Gandhi Government College Vaishali Nagar Campus with proper Tagging"

**(ii) Introduction:**

Study of Biological environment is one of the major aspects in Environmental Impact Assessment in view of the need for conservation of environmental quality. It is essential to develop familiarity with the vegetation around, in order to develop a sense of responsibility towards their conservation. Indira Gandhi Government Arts and Commerce College, Vaishali Nagar has a vast area, where a rich flora can be observed. This richness of flora is not only responsible for the healthy ecosystem maintained in the college, but also gives students an understanding of the causes and benefits of healthy ecosystem. And this in turn inculcates a feeling of concern for its conservation. The purpose of this project proposal is to prepare a digital flora for the benefit of the students who have to prepare a field report of the flora study of an area and in turn acquaint them with the richness of flora around them. The flora once prepared can be kept for further reference for the vegetation study. It is also necessary to tag the plants with their Botanical names to inculcate an interest in systematic study of plants and also help students to identify the plants in their natural form.

**(iii) Objectives:** The present project aims following objectives

1. Classifying the plants on the basis of morphological characters
2. Taking photographs of the plants by repeating visits in different seasons.
3. Identification of these floras with the help of available literature.
4. Organization of the digital images into a searchable database
5. Tagging the plants in the college campus.

**(iv) Methodology:** To achieve the above objectives a detailed study would be undertaken

- a) A general checklist would be prepared of all the plants encountered in the study area. This would indicate the diversity of plants.
- b) The plants would be segregated as herbs, shrubs and trees and list of plants would be prepared accordingly.
- c) The plants would be identified with the help of their morphological characters.
- d) Flora of Madhya Pradesh and Flora of Chhattisgarh would be consulted for identification.
- e) Photographs would be taken in different seasons.
- f) The digital images would be organized into a searchable database.
- g) The digital database thus prepared would also be uploaded on the college website.
- h) The plants would be tagged with details as Botanical name, Common name and family

(v) Year wise plan of work and targets to be achieved:

**I Year:**

S. No.	Milestone	Months required
1.	Preparation of list of plants	12
2.	Identification of plants on the basis of morphological characters	12
3.	Taking photographs of the plants	12

**II Year:**

S. No.	Milestone	Months required
1.	Preparing database of the digital images	24
2.	Tagging of the plants	24

9. Financial assistance

S.No.	Item	Estimated Expenditure
i	Books and Journals	3000
ii	Equipment, if needed	-
iii	Field work and travel	-
iv	Chemicals and glasswares	-
v	Contingency (including special needs)	1000
vi	Hiring services	3000
	Total	7000

10. Whether the teacher has received support for the research project from the College under Major, Minor or from any of the agency?

If so, please indicate: NA

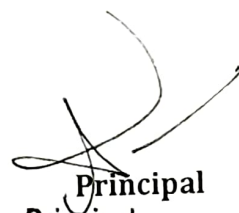
11. (a) Details of the College project/scheme completed or ongoing. NA

12. Any other information which the teacher may like to give in support of this proposal.

To certify that

- The College is approved under Section 2(f) and 12(B) of the College Act and is fit to receive grants from the College.
- General physical facilities, such as furniture/space etc., are available in the Department /College.
- I shall abide by the rules governing the scheme in case assistance is provided to me from the College for the above project.
- I shall complete the project within the stipulated period. If I fail to do so and if the COLLEGE is not satisfied with the progress of the research project, the Commission may terminate the project time immediately and ask for the refund of the entire amount (with interest) released by the College.
- The above research project is not funded by any other agency.

  
Principal Investigator

  
Principal  
Principal  
Govt. Indra Gandhi P.G. College  
Vishal Nagar Bhilai

**Indira Gandhi Government Arts and Commerce College, Vaishali Nagar, Bhilai**  
**ACCEPTANCE CERTIFICATE FOR RESEARCH PROJECT**

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Name: Dr. Meenakshi Bharadwaj

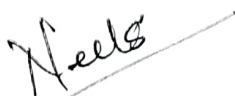
No.F: Sci/LSci/Bot/01 dated 5<sup>th</sup> December 2020

Title of the Project: Morpho-Taxonomic studies of Flora of Indira Gandhi Government College, Vaishali Nagar Campus with proper Tagging

1. The research project is not being supported by any other funding agency.
2. The terms and conditions related to the grant are acceptable to the Principal Investigator and University/College/Institution.
3. At present, I have no research project approved by College and the accounts for the previous project, if any have been settled.
4. The College/University is fit to receive financial assistance from College and included in the list of Section 2(f) and 12 (B) prepared by the College.
5. The Principal Investigator is a retired teacher and eligible to receive honorarium as he/she is neither getting any honorarium from any agency nor is he/she gainfully employed anywhere.
6. (i) His/her date of birth is 2<sup>nd</sup> April 1973  
(ii) Age: 48 years
7. The date of implementation of the project is 14/12/2020



**Convener**  
**Research Committee**



**Member**  
**Research Committee**



**Principal**  
**Principal**  
**Govt. Indira Gandhi P.G. College**  
**Vaishali Nagar Bhilai**