



**DEPARTMENT OF BIOPHYSICS**  
**PANJAB UNIVERSITY, CHANDIGARH 160014 (INDIA)**

*Applications are invited for Vritika Research internship (Training and skill internship)  
Scheme -2022*

**Duration:** 8 weeks

**Location:** Department of Biophysics, BMS blockII,  
Panjab University, Chandigarh, India 160014

**Title:** "VRITIKA IN BIOPHYSICS-Interdisciplinary research and much more, 'Do not miss the boat'."

**Scope of "Vritika scheme":**

'VRITIKA' is the call for initiation and practice in science through Training and Skill Internship. This program aims to create strong interest towards scientific and engineering research and to provide technical insight in the field of Science & Engineering through this internship. These internships will primarily be facilitated by organizations/ institutions/ laboratories of national importance.

**Department of Biophysics, Panjab University:**

The Department of Biophysics at Panjab University was established in the year 1964 with a vision to strengthen the field of Basic Medical Science of Panjab University. It originated with Electro-Physiology, Radiation Biophysics and Electron Microscopy. Apart from the traditional areas in Biophysics such as Cell and Molecular Biophysics, Radiation Biophysics, Membrane Biophysics and Neuro-Biophysics, the Department had put in efforts in recent times to move into new emerging areas such as Molecular Modelling, Bioinformatics, Molecular Imaging, Translational research in Cancer, Molecular Medicine Nano-biophysics, Structural Biology and Nuclear Medicine. Advances in these areas have paved a way for the designing and development of drugs and medical technologies for the welfare of mankind.

**Programme Objective:**

This internship program aims to develop the skill on biophysical techniques and research for PG students from universities/colleges/institutes. This internship program aims to provide them opportunities to explore a range of interdisciplinary research happening in the field of biophysics, its allied subjects; respective training and basic handling.

**Who can Apply?**

Interested Final Year PG students having first class in Physics/ Biology/ Chemistry/ Applied Science and/or Ph.D. students (First year) are eligible to apply.

**Selection Process:**

Selection of interns will be done by the concerned department of the organizing institute:

1. Academic performance in university examinations (CGPA / Percentage of marks).
2. Academic/co-curricular contests participated and other awards/distinctions obtained.

Note: Only selected candidates shall be intimated through email.

**How to Apply?**

Step 1: The candidate shall apply for the internship program by filling the attached form in the prescribed format.

Step 2: Take the printout of the form and affix a photograph at the mentioned space.

Step 3: The application should be accompanied by NOC from the department or attested by a "A class gazetted officer"

Step 4: Email the scanned copy of the application form to "vritikavigyan@gmail.com" with supportive documents on or before 07.04.22.

**Nature of support**

- The internship will be given for meeting daily necessary expenses such as stationery, consumables, accommodation, food, etc.
- The period of the Training and Skill Internship shall be for 2 months.
- The participating students will also be eligible for TA reimbursement for their journey to the host institute from their hometown/home institute, both ways, as per GoI norms.



**Terms and condition:**

- *The supervisor to whom the interns are assigned would be assigning them tasks/ assignments as per the research modules designed.*
- *The intern should work accordingly and prepare a work report to be submitted after completion of the internship.*
- *Interns not completing the work within the requisite period will not be issued any certificate.*
- *The IPR of the research work will be reserved by the institute which cannot be used by the intern without permission of the concerned authority.*
- *The intern should abide by the rules and regulations of the institution and laboratory protocols.*
- *The internship period shall not be extending beyond 2 months.*

**Details of Internship**

- *Duration: 8 weeks*
- *Venue: Department of Biophysics, Panjab University, Chandigarh*
- *Number of internships: 5*
- *Registration Deadline: 07/04/2022*
- *Only shortlisted student shall be communicated through email.*
- *Accommodation, food etc. and TA reimbursement for their journey to Panjab University from their hometown / home institute, both ways, as per GOI or Panjab University norms will be provided.*
- *Certificate will be provided to the interns after the successful completion of the internship tenure (Submission of work report).*

**Event Organizer:**

**Dr. Ravi Pratap Barnwal** (Assistant Professor)

Department of Biophysics,

Panjab University, Chandigarh (160014)

**Mobile: +91 8830339953**

**Email: barnwal@pu.ac.in**



**DEPARTMENT OF BIOPHYSICS**

**PANJAB UNIVERSITY, CHANDIGARH 160014 (INDIA)**

**Applications Form for Vritika Research internship (Training and skill internship)  
Scheme -2022**

**Duration:8 weeks**

**Location: Department of Biophysics, BMS block II,  
Panjab University, Chandigarh, India 160014**

**Application Form for SERB, Accelerate Vigyan, "VRITIKA" Research Internship  
(Training and Skill) Program 2022**

**Name of the event: "VRITIKA in BIOPHYSICS: Interdisciplinary research and much more, do not miss the boat".**

**Duration of Course:8 Weeks**

**Department Applied for:DEPARTMENT OF BIOPHYSICS, PANJAB UNIVERSITY**

**Event Organizer: Dr.RAVI PRATAP BARNWAL**

Affix  
passport size  
photograph  
here

S.N.	(All the columns are to be compulsorily filled in capital letters)		
1	Name		
2	Course (PG/Ph.D.) /Specialization		
3	Year of Study (Current semester)		
4	Department		
5	College/Institute/University		
6	Institute Address	Phone: Email ID:	
7	Mobile no.		
8	Email ID		
9	Date of birth		Gender: Male/Female

10	A) Name of guardian (Father/Mother/Others)					
	B) Contact Address					
	C) Guardian mobile number and Email					
11	Details of Examination Passed					
	Course		Specialization (If any)	College/ Institute / University	Results declared up to (semester)	Cumulati ve % of Marks /CGPA /CPI up to the last declared results
	UG					
	PG					
	Others					
12	Number of failed courses/back papers for the present program of:					
13	Awards/certificates/any other important credentials (attach scanned copies):					
14	Number of papers presented in conferences (If applicable attach scanned copies):					
15	Any others:					

### **Self-Declaration**

I hereby declare that the statements made in this application are true, complete and correct to the best of my knowledge and belief. I also ensure that during the internship I will follow all the rules and regulations stipulated by **Panjab University, Chandigarh.**

**Date:**

**(Signature of the applicant)**

**Note:** Scanned copy of this application to be mailed to ([vritikavigyan@gmail.com](mailto:vritikavigyan@gmail.com)) on or before **07.04.2022**).



**Recommendation cum No Objection Certificate from the Head of the Department/Institute**

Mr./Ms. \_\_\_\_\_ is a regular student (Roll No: \_\_\_\_\_) studying in \_\_\_\_\_ Semester of the \_\_\_\_\_ program / Course in our \_\_\_\_\_ University/Institute/College and will assume full responsibility for actively participating in the "VRITIKA" Research Internship (Training and Skill) Program titled "**VRITIKA in BIOPHYSICS: Interdisciplinary research and much more, Do not miss the boat**" sponsored by SERB under the Accelerated Vigyan Scheme, for eight weeks at Department of Biophysics, Panjab University, Chandigarh. The candidate has secured \_\_\_\_\_ %/CGPA/CPI till date (If applicable). There is no disciplinary action against him/her as per our records. Details given by him/her are verified and found correct. This college/institute has no objection for his/her internship at Department of Biophysics, Panjab University, Chandigarh.

**Date:**

**Name & Signature**

**Place:**

**Head of the Department/Institute**

**Seal of the Department/Institute**

**Note:** Students who have completed their degree need to get their photograph attested on this application form by a Gazetted officer. In this case no NOC is required.