



## VRITIKA RESEARCH INTERNSHIP

on

### Development of Innovative Healthcare Devices

11th July to 10th August, 2022

**APPLICATIONS  
INVITED**

**FUNDED BY:** SCIENCE & ENGINEERING RESEARCH BOARD (SERB), GOVT. OF INDIA, UNDER ACCELERATE VIGYAN SCHEME

**ORGANIZED BY:** DEPARTMENT OF BIOMEDICAL ENGINEERING, NORTH EASTERN HILL UNIVERSITY, SHILLONG-793022, MEGHALAYA

**VRITIKA is the call for initiation and practice in science through research internships. This program aims to provide opportunities to promising PG and Doctoral students from universities and colleges to get exposure and hands-on research experience. The scheme is meant to support regular PG level students who are having a strong orientation and potential towards scientific and engineering research and pursuing their degree from University/ Institution within India, but do not have requisite infrastructure or expertise in their institutions, to get first such exposure and motivation. This Internship program also offers the Postgraduate students a chance to interact with the researchers at NEHU, Shillong for their future research endeavours.**

#### WHO CAN APPLY

Masters and PhD (Science & Engineering Stream) students enrolled in any Indian University or Institution.

#### OBJECTIVE

This internship shall provide necessary knowledge on converting research data into an indexed publication and exposure to processing of research manuscripts from preparation to publication. The whole programme has been planned under the ongoing Azadi Ka Amrit Mahotsav celebration, Govt. of India, to nurture scientific temper among the budding scholars/students and groom them to acquire basic skills in research communication and get a 'sense of pride' being an 'informed citizen' of this great nation with a historical tradition.

#### About NEHU:

NEHU is a premier University in the North East region with more than 100 affiliated colleges and large number of courses running in the University. It was set up in 1973 by an Act of Parliament. The Department of Biomedical Engineering (BME) was established in the year 2012, under the School of Technology, NEHU, Shillong, funded by MHRD, Government of India, with the specific purpose to promote studies in new emerging areas of medical sciences employing advancements in technology for the benefit of masses. In addition, the Department of the University intends to provide education to young minds to achieve better health care solutions with an emphasis on learning new techniques, developing innovative ideas through learning, skill development, Research and Development (R&D), and Industry-Institution interaction in the field.

For more details, please visit: [www.nehu.ac.in](http://www.nehu.ac.in)

#### NATURE OF SUPPORT

Lodging, Food, Stationery, Travel (to & fro) requirements will be met free of cost as per SERB norms.

#### SELECTION CRITERIA

- Academic achievement in University examinations (CGPA/percentage of marks).
- Participation in academic/co-curricular competitions and other awards/distinction.

Note: Selected candidates will be notified through e-mail

#### TERMS AND CONDITIONS

- Selected candidates shall attend the program physically. Attendance (100%) is mandatory.
- The interns should follow the institute's rules and regulations strictly.
- Accommodation shall be provided depending on the availability of rooms in the University guest house.
- Interns will complete the assigned tasks and assignments timely.
- Submission of individual final report at the end of the tenure is mandatory.
- It would be appreciable if candidates bring their own laptops.
- The IP rights of the research work shall be reserved by the institute which cannot be used by the intern without prior permission from the Supervisor.

#### DETAILS

- Duration: 4 weeks (11th July to 10th August, 2022)
- Venue: Department of Biomedical Engineering, NEHU, Shillong, Meghalaya
- Number of Internships: 05
- Course completion certificate at the end of internship

**Last date for submission of applications: 15/6/2022**

#### TRAINING COORDINATOR

Dr Dinesh Bhatia,  
Associate Professor  
Department of Biomedical Engineering  
North Eastern Hill University  
Shillong-793022, Meghalaya  
Email: [bhatiadinesh@rediffmail.com](mailto:bhatiadinesh@rediffmail.com), [dbhatia@nehu.ac.in](mailto:dbhatia@nehu.ac.in)

#### Register at:

[https://docs.google.com/forms/d/1cTf3uR55WtdmlsbqxcuK2N2IAy\\_y8oAKGV8UeDVFmno/edit](https://docs.google.com/forms/d/1cTf3uR55WtdmlsbqxcuK2N2IAy_y8oAKGV8UeDVFmno/edit)





Registration Form VRITKA INTERNSHIP  
on  
"Development of Innovative Healthcare Devices" (physical mode)  
(Under the ABHYAAS program – a SERB Initiative)  
11th July to 10th August, 2022  
Department of Biomedical Engineering, North Eastern Hill University,  
Shillong-793022, Meghalaya, India

Name:

Course (PG/PhD):

Enrolment Number:

Year of Study:

Department: Institute/University:

Mailing Address:

Mobile Number:

E Mail Address:



Recent  
Photograph

The above information provided is true and to the best of my knowledge.  
If, selected, I agree to abide by the rules and regulations of the program and  
NEHU, Shillong, Meghalaya.

Signature of Candidate

Endorsement cum No Objection Certificate from the Head of the Department/ Institute  
(To be given on University/ Institute/ College Letter head)

This is to certify that:

- 1. Mr. / Ms. / Mrs. \_\_\_\_\_, is a bonafide student of our University / Institute / College and will assume full responsibility for actively participating in hands-on research skill development training program titled “Development of Innovative Healthcare Devices” sponsored by SERB-DST under the Accelerate Vigyan Scheme, scheduled from 11th July to 10th August, 2022 at Department of Biomedical Engineering, North Eastern Hill University, Shillong-793022, Meghalaya, India.
- 2. The Applicant is a Full-time / part-time student of our University/ Institute/ College and enrolled in M Tech / M.S. / PhD Programme in ..... Department.
- 3. The candidate has secured \_\_\_\_\_ % / CGPA / CPI till date (if applicable).
- 4. The candidate is currently carrying out research/project as a part of his/her course curriculum and has completed the core courses of the program.
- 5. The University/ Institute/ College also endorses the conduct of the applicant to be of highest order who bears a good moral character.
- 6. The University/ Institute/ College has “No-Objection” for the candidate participation during the above said period.
- 7. The candidate, if selected for participation, shall be duly permitted to attend the workshop on virtual mode. The University/ Institute/ College may provide the necessary facilitation needed for this purpose.

Signature and Seal with name  
(Head of the Department/Institute)

Date:

Place: