

**Government of West Bengal**  
**Department of Higher Education, Science & Technology and Biotechnology**  
**Biotechnology Branch**

**RISE Programme 2018**

**(Research Internships in Biotechnological based - Sciences and Engineering)**

**An academic programme for intensive training in Biotechnology  
for postgraduate students in West Bengal**

With the Indian Biotechnology segment growing at 15% per year, career opportunities in fields such as bio-pharmacy, bio-agriculture, bio-industrial and bio-informatics are expanding manifold.

**The Biotechnology Branch of Department of Higher Education, Science & Technology and Biotechnology, Government of West Bengal** conducts an academic programme for facilitating the future generation of Biotechnologists, entitled 'Research Internships in Biotechnology based - Sciences and Engineering i.e. '**RISE**' programme. The aim is to provide students access to instruments like Real Time Thermocycler, Fast Protein Liquid Chromatography (FPLC), High Pressure Liquid Chromatography (HPLC), Flow Cytometry, Confocal Microscopy, Gas Chromatography, Mass Spectrophotometry, DNA sequencer and the like.

**Student's eligibility criteria:**

- Should be pursuing a PG degree (MSc/MTech/MVSc/MBBS etc.) in any field of Biotechnology based Bio-Sciences from a college accredited to a university of West Bengal.
- Good academic record, preferably in the top 20% of the class
- Willing to work full time for minimum 2 months
- The student will in consultation with a research guide submit a short research proposal, **maximum one page** (detailed proforma provided)

**Guide's eligibility criteria:**

- Should be a permanent faculty in any field of Bio-Sciences in a reputed Research Institution located in West Bengal
- Should agree to provide training in usage of high end Biotechnology based instruments as a component of the grant proposal (that will be submitted in consultation with the guide).

**The participating research institutions:**

1. Bose Institute
2. Indian Institute of Chemical Biology (IICB)
3. Indian Institute of Technology, Kharagpur (IIT-Kharagpur)
4. National Institute of Cholera & Enteric Diseases (NICED)
5. National Institute of BioMedical Genomics, Kalyani (NIBMG)
6. BioMedical Genomics Centre, Kolkata (BMGC)
7. Indian Institute of Science Education and Research, Kalyani (IISER)
8. IEST, Shibpur
9. Saha Institute of Nuclear Physics (SINP)
10. Central Glass and Ceramic Research Institute (CGCRI)
11. Indian Association for Cultivation & Science, Kolkata (IACS)
12. Indian Statistical Institute (ISI)

The applications should reach before **31<sup>st</sup> December, 2017** to

**The Joint Secretary  
Biotechnology Branch  
Department of Higher Education, Science & Technology and Biotechnology  
Government of West Bengal  
Kolkata Biotech Park, EN-24, Sector-V, Salt Lake City, Kolkata-700 091**

**RISE 2017-18**  
**RESEARCH INTERNSHIPS FOR BIOTECHNOLOGY BASED SCIENCES & ENGINEERING**

**APPLICATION FORMAT**

**1. Subject:**

**2 Name (in capital letters):**

**3. Permanent Address:**

**4 Address for communication:**

**5. Telephone (with STD code):**

**6. Mobile No.:**

**7. Email address:**

**8. Date of birth:**

**9. Age (as on 1<sup>st</sup> January, 2018):**

**10. Gender:**

**11. Nationality:**

**12. Category:** General / OBC / SC / ST / PH

**13. Educational Qualifications:**

<b>Degree</b>	<b>Board/College/ University</b>	<b>Subjects taken</b>	<b>Year of Passing</b>	<b>% of marks</b>
Madhyamik/ Secondary/ICSE				
Higher Secondary				
B.Sc.				
M.Sc.				
Any other NET/GATE				

**13. Proposal:**

- Title:
- Topic/Area of Research (within 1000 words):
- Name, Email ID and Contact details of the Supervisor:
- Name of the sponsoring Institute with address and contact details:
- Specialized area of training:

**14. List of documents to be attached:**

- a) Age proof
- b) Madhyamik/Secondary Marksheet & Certificate
- c) Higher Secondary Marksheet & Certificate
- d) B.Sc. Marksheet & Certificate
- e) M.Sc. Marksheet
- f) Physically Handicapped Certificate
- g) NET/GATE score
- h) No objection from the Head of the Institute for conducting research in the Institute
- i) Consent letter from the Guide
- j) SC/ST/Physically handicapped certificate as applicable
- k) Proposal (in 1000 words) stating proposed research and area of specialized training

**Declaration:** It is certified that all information given by me are true to the best of my knowledge. If any information were to be found incorrect or false, I am aware that my application and fellowship is liable for cancellation.

**Date:**

**Place:**

**Signature**

**Forwarded and Recommended by Head of the Department**  
**where student is pursuing PG studies**

## UTILISATION CERTIFICATE IN RESPECT OF GRANT-IN-AID

**No.**

**Date:**

1. Name of the Grantee Institution(s):  
[Attach separate list for more than one Grantee Institutions]
2. Sanctioning Authority:
3. Sanction Order Number and Date:
4. Amount Sanctioned:
5. Drawing & Disbursing Officer:
6. Treasury/PAO:  
[From where the bill was drawn]
7. Bill No. & Date:
8. T.V. No. & Date:
9. Amount drawn:
10. Unspent balance of previous year, if any:
11. Amount utilized:
12. Unspent balance, if any, in current year:
13. Purpose of Utilisation:

### CERTIFICATE

Certified that I have satisfied myself that the conditions on which the Grants-in-Aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

[Applicable in of unspent balance] The unspent fund has been surrendered to the Government under appropriate head of account vide Challan No. .... Date ..... / will be adjusted against the grant-in-aid to be sanctioned and paid in the current Financial Year (applicable in case of recurring grant only).

*Kinds of checks exercised:*

- 1.
- 2.
3. ....

**Signature of the Head of Institution  
(with Seal)**

**Signature of the Financial authority  
(with Seal)**

**N.B.:** ● If, as a result of a check or audit objection, some irregularity is noticed at a later stage, action will be taken to refund/adjust or regularize the objected amount.

● For any correspondence in this regard, the Department's letter number and date may

please be quoted without fail.

**FORM FOR UTILISATION CERTIFICATE FOR FELLOWSHIP**

Certificate that an amount of Rs. .... (Rupees .....  
.....) sanctioned vide letter  
No..... dated ..... released to .....  
in respect of Fellowship/Contingency under the RISE scheme has been utilized for the  
purpose for which it was sanctioned in accordance with the terms and conditions laid  
down by the Department. Out of the grant sanctioned in respect of Mr./Ms.  
..... has been carried forward/refunded vide  
Demand Draft No ..... dated .....for Rs. ....

If, as a result of a check or audit objection, some irregularity is noticed at a later  
stage, action will be taken to refund/adjust or regularize the objected amount.

**Signature of Awardee**

**Signature of the Head of  
Institution (with Seal)**

**Signature of the Financial  
authority (with Seal)**

**PROGRESS REPORT FOR THE PERIOD w.e.f .....**

- 1. Name of Guide, designation and contact details:**
- 2. Name of Department and Institution with Address**
- 3. Topic of research:**
- 4. Date of commencement of research:**  
(Under the Fellowship)
- 5. Total number of working days during the period:**
- 6. Title of Research based on work during the Fellowship period:**
- 7. A detailed account of the work done during the period** (a separate sheet may be attached stating the objectives, proposed hypothesis, methodology employed, Instruments handled, Results generated, with figures and Conclusions derived)
- 8. Comments of the Guide on the progress of the research work during the period under report:**

**Name and Signature of the Guide**

**(Seal):**

**Date:**

**Signature of Awardee**

**Head of Research Institution  
(Seal)**