

**VISVA-BHARATI**  
**SIKSHA-BHAVANA**  
*(Institute of Science)*



Ref.No.SB-109/VBRET /2013-2014

Date: 17<sup>th</sup> September, 2013

**NOTIFICATION FOR ADMISSION TO PH.D. PROGRAMME (BATCH V) UNDER  
SIKSHA-BHAVANA FOR THE SESSION 2013-2014.**

The candidates qualified in NET (conducted by UGC/CSIR), SET, GATE or equivalent National Level Examination conducted by ICAR/ICMR/NBHM/DBT, etc., VBRET and holder of UGC Teacher Fellowship may apply for **ADMISSION TO PH.D PROGRAMME** to the respective HODs / Centre-in-Charges under Siksha-Bhavana. The candidates who have obtained M.Phil. Degree of any UGC recognized university that follows the UGC Minimum Standard and Procedure for award of M.Phil/Ph.D. Degree Regulations, 2009 are also eligible to apply for the Ph.D. Programme. A **VACANCY LIST** for Ph.D. Students under Siksha-Bhavana (2013-2014) is given below.

Application in the attached proforma along with the requisite fee, attested copies of testimonials and certificates and a write-up on his/her research interest (of about 1000 words) with a tentative title must reach the HOD/Centre-in-Charge of the respective Department/Centre under Siksha-Bhavana, Visva-Bharati, Santiniketan- 731235, West Bengal on or before **28<sup>th</sup> September, 2013 (Saturday)**. Application must be submitted along with the prescribed Fee in the form of a Demand Draft drawn in favor of **Accounts Officer, Visva-Bharati** payable at **State Bank of India, Santiniketan** (Branch Code: 2121).

Application Fee:

*Rupees Four Hundred only (Rs. 400) for General & OBC category applicants.*

*Rupees One Hundred and Forty only (Rs. 140) for SC & ST category applicants.*

**The candidates who have qualified VBRET 2013 NEED NOT PAY THE APPLICATION FEE.**

The candidates have to appear for an interview before the respective departmental Board of Studies (BOS). The date of interview is given below. No further communication in this regard will be made to the candidates.

Candidates who are employed Full / Part Time must submit **NO OBJECTION CERTIFICATE** from the employer in the prescribed format at the time of taking admission. List of Selected Candidates will be published in the university website after 7<sup>th</sup> October, 2013. Date of Admission: 10<sup>th</sup> and 11<sup>th</sup> January, 2014.

Tentative Date of commencement of Course –work classes: 13<sup>th</sup> January, 2014

17.9.2013

**Principal**  
**Siksha-Bhavana**  
**Visva-Bharati**

## VACANCY LIST FOR PH.D. STUDENTS UNDER SIKSHA-BHAVANA (2013-2014)

### Department of Biotechnology

Name of the Faculty Member	No. of Ph.D. student to be taken in 2013-2014	Field of Research/ Specialization
Prof. S.P. Adhikary	02	Microbial Technology
Dr. T. Chaudhury	02	Microbial Technology
Dr. N. Das	04	Biotic and abiotic stress response
Dr. N. Dey	02	Biotic and abiotic stress response
Dr. S. Saha	02	Microbial Technology

**Total Intake: 12, Category wise break-up: Gen=06, OBC=03, SC=02, ST=01**

### Centre for Mathematics Education

Name of the Faculty Member	No. of Ph.D. student to be taken in 2103-2014	Field of Research/ Specialization
Prof. S.K. Samanta	01	Math Education, Fuzzy Topology, Fuzzy Functional Analysis, Functional Analysis

**Total Intake: 01, Category wise break-up: Gen=01, OBC=00, SC=00, ST=00**

### Department of Mathematics

Name of the Faculty Member	No. of Ph.D. student to be taken in 2013-2014	Field of Research/ Specialization
Prof. S. Raha	02	Fuzzy Mathematics & Applications
Prof. S. K. Samanta	02	Functional Analysis, Fuzzy Functional Analysis, Fuzzy Topology
Prof. D. Pal	03	Fluid Dynamics, Atmospheric Science
Prof. P. Chatterjee	02	Plasma Flows, Nonlinear Differential Equations
Dr. M. M. Panja	01	Symmetry based Technique for Differential Equations, Wavelet Numerical Analysis.
Dr. T. Ray Mahapatra	03	Computational Fluid Dynamics
Dr. A. K. Bhuniya	02	Theory of Semigroups and Semirings
Dr. A. P. Misra	03	Plasma Physics, Magnetohydrodynamics, Nonlinear Dynamics

**Total Intake: 18, Category wise break-up: Gen=09, OBC=05, SC=03, ST=01**

### Department of Botany

Name of the Faculty Member	No. of Ph.D. student to be taken in 2013-2014	Field of Research/ Specialization
Prof. S. Mandal	01	Plant Biosystematics, Palynology, Aerobiology, Pollination Biology & Medicinal Plants
Prof. S.K. Sen	01	Microbiology
Prof. S. Ray	02	Phycology
Prof. K. Bhattacharya	01	Biodiversity & Pollen allergy
Prof. N. Banerjee	02	Cytogenetics & Plant Biotechnology
Prof. R.K. Kar	01	Plant Physiology & Biochemistry
Prof. N.C. Mandal	02	Microbiology & Mycopathology
Dr. S. Mondal	01	Taxonomy, Pollination Biology & Palynology
Dr. S.R. Biswas	02	Molecular Biology (Food oriented)
Dr. S. Sukul	03	Pteridology
Dr. A. Lokho	02	Taxonomy & Ethnobotany
Dr. H. Gupta Joshi	02	Ecology
Dr. B. Dam	02	Microbiology
Dr. S. Gond	02	Mycology & Plant Pathology

**Total Intake: 24, Category wise break-up: Gen=12, OBC=06, SC=04, ST=02**

### Department of Environmental Studies

Name of the Faculty Member	No. of Ph.D. student to be taken in 2013-2014	Field of Research/ Specialization
Dr. S. Balachandran	03	Environmental microbiology, Soil Pollution/Remediation
Dr. P.K. Patra	02	Environmental Geology, Environmental Meteorology
Dr. P.K. Padhy	02	Air Pollution & Plants, Environmental Pollution and Health
Prof. S. Chaudhury	01	Bioremediation, Environmental Toxicology

**Total Intake: 08, Category wise break-up: Gen=04, OBC=02, SC=01, ST=01**

**Department of Computer and System Sciences**

Name of the Faculty Member	No. of Ph.D. student to be taken in 2013-2014	Field of Research/ Specialization
Prof. B. Bhattacharyya	02	Image Processing/Data Mining/Bioinformatics
Prof. P. Dutta	03	Quantum Intelligence and Image Processing
Prof. A.K Datta	02	Approximation Algorithm & Graph Algorithm
Dr. U. Ray	03	Text Processing & Information Retrieval, Quantum Cryptography and Quantum Optimization problem
Sri Tathagato Mukhopadhyay	01	Mobile Broadband Networks

**Total Intake: 11, Category wise break-up: Gen=06, OBC=03, SC=01, ST=01****Department of Chemistry**

Name of the Faculty Member	No. of Ph.D. student to be taken in 2013-2014	Field of Research/ Specialization
Dr. B. Mandal	03	Analytical Chemistry
Dr. G.K.Das	02	Reaction Modeling
Prof. P. Sarkar	02	Theoretical Chemistry
Prof. P. Chowdhury	01	Polymer Chemistry
Dr. S.K. Chandra	04	Molecular Magnetism & Structural Chemistry
Dr. A. Majee	01	Synthetic Organic Chemistry
Dr. B.K. Dolui	01	Solution Chemistry
Dr. N.A. Begum	01	Organic Chemistry
Dr. K. C. Bhowmick	02	Asymmetric Organic Synthesis
Dr. M. Ghosh	01	Theoretical Physical Chemistry of quantum dot nanodevices
Dr. B.Dey	01	Metal Organic Framework
Dr. S.K. Mondal	01	Spectroscopy
Dr. Pritidipa Sahoo	02	Organic Chemistry (Molecular recognition)

**Total Intake: 22, Category wise break-up: Gen=11, OBC=06, SC=03, ST=02**

### Department of Statistics

Name of the Faculty Member	No. of Ph.D. student to be taken in 2013-2014	Field of Research/ Specialization
Prof. K. Chatterjee	02	Reliability Theory, Design of Experiments, Statistical Quality Control
Dr. S.S. Maiti	04	Reliability/Survival Analysis, Industrial Statistics, Bayesian Inference, Information Theory, Queuing Theory

**Total Intake: 06, Category wise break-up: Gen=03, OBC=01, SC=01, ST=01**

### Department of Zoology

Name of the Faculty Member	No. of Ph.D. student to be taken in 2013-2014	Field of Research/ Specialization
Dr. S. Mukherjee	01	Molecular Endocrinology
Dr. Rakesh Kundu	03	Cell Signaling
Dr. Surya Kr. Saikia	02	Ecology and Fish Biology
Dr. Sudipta Maitra	02	Fish Molecular Endocrinology
Dr. Samar Kumar Saha	03	Fish Biology Aquatic Parasitology
Dr. Dipak Kumar Mandal	01	Fish Biology
Dr. Larisha M. Lyndem	02	Parasitology
Dr. A. Chattopadhyay	02	Genetics
Prof. Santanu Ray	02	Ecological Modelling
Prof. S.P. Sinhababu	01	Molecular Parasitology and Immunology

**Total Intake: 19, Category wise break-up: Gen=10, OBC=05, SC=03, ST=01**

### Department of Physics

Name of the Faculty Member	No. of Ph.D. student to be taken in 2013-2014	Field of Research/ Specialization
Dr. A. Chakravarti	01	Solar Energy Conversion techniques-design and development
Prof. A. Bhattacharjee	02	Experimental Condensed Matter Physics
Prof. A. Sen Gupta	01	Experimental Solid State Physic
Dr. B. C. Gupta	01	Condensed Matter Physics/Material Science
Dr. B. Pandey	01	Cosmology
Dr. P. K. Ghosh	02	High Energy Physics, Mathematical Physics, Field theory based approach to condensed matter systems
Prof. S. Mondal	02	Quantum Optics
Dr. S. K. Mandal	02	Condensed Matter Physics
Prof. Somenath Chakrabarty	01	Astrophysics
Prof. T. Chattopadyay	01	Microwave / Optical Communication
Dr. T. K. Kundu	01	Nanoscience and Nanomaterial
Dr. M. Maity	01	Experimental and Phenomenological High Energy Physics

**Total Intake: 16, Category wise break-up: Gen=08, OBC=04, SC=03, ST=01**

### Integrated Science Education & Research Centre

Name of the Faculty Member	No. of Ph.D. student to be taken in 2013-2014	Field of Research/ Specialization
Dr. Susanta Ghosh	02	Chemistry (Electrochemistry)
Dr. Mahasweta Nandi	02	Chemistry (Material Science)
Dr. Umesh Kr. Singh	05	Environmental Science (Hydrogeology, Water Pollution, Soil Pollution)
Dr. Swapan Kr. Pandit	02	Mathematics (Computational Fluid Dynamics, Numerical Methods in PDE)

**Total Intake: 11, Category wise break-up: Gen=06, OBC=03, SC=01, ST=01**

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**APPLICATION FOR ADMISSION TO PH.D PROGRAMME (BATCH V)  
UNDER SIKSHA-BHAVANA, VISVA-BHARATI (2013-2014)**

Name in full (in block letter):

Name of Father/Guardian/Husband:

Address:

Telephone Number:

E-mail ID:

Date of Birth:

Sex:

Nationality:

Marital Status:

Category:

Employed: YES/NO

Educational Qualifications:

Name of the Examination	Board/Council/University	Name of the School/College/University	Year of passing	Total Marks obtained	% of marks/CGPA	Subjects taken

Area of Broad Research Interest:

Date:

(Full signature of the candidate)

Note:

- A passport size photograph should be affixed inside the box.
- Attach attested copies of all mark-sheets and certificates.

Attested copy of  
Passport Size  
Photograph to be  
affixed here

**No objection certificate for all full time Ph.D. students who are in full / part-time employments**

**( Format A )**

This is to certify that Sri / Smt. \_\_\_\_\_, son / daughter of \_\_\_\_\_, residing at \_\_\_\_\_ is a full / part-time employee of \_\_\_\_\_ (name of the institution / organisation / project). This institution / organisation / project has no objection in allowing Sri / Smt. \_\_\_\_\_ to be registered as a full-time Ph.D. student in Visva-Bharati, Santiniketan.

\_\_\_\_\_  
(Signature and seal of competent authority)

**No objection certificate for all part-time Ph.D. students who are in full / part-time employments**

**( Format B )**

This is to certify that Sri / Smt. \_\_\_\_\_, son / daughter of \_\_\_\_\_, residing at \_\_\_\_\_ is a full / part-time employee of \_\_\_\_\_ (name of the institution / organisation / project). This institution / organisation / project has no objection in allowing Sri / Smt. \_\_\_\_\_ to carry out his / her Ph.D. research work in Visva-Bharati, Santiniketan. He / She will be allowed leave as required to enable him / her to attend the course-work. Further, he / she will be allowed to avail of necessary leave to comply with his / her 60 days residency requirement per calendar year after the course work.

\_\_\_\_\_  
(Signature and seal of competent authority)



## **DATE OF INTERVIEW**

<b>DEPARTMENT</b>	<b>DATE</b>	<b>REPORTING TIME</b>
<b>BIOTECHNOLOGY</b>	<b>5.10.2013</b>	<b>11AM</b>
<b>PHYSICS</b>	<b>3.10.2013</b>	<b>1 PM</b>
<b>CHEMISTRY</b>	<b>3.10.2013</b>	<b>11 AM</b>
<b>MATHEMATICS</b>	<b>5.10.2013</b>	<b>10 AM</b>
<b>BOTANY</b>	<b>5.10.2013</b>	<b>11 AM</b>
<b>ZOOLOGY</b>	<b>30.9.2013</b>	<b>11 AM</b>
<b>ENVIRONMENTAL STUDIES</b>	<b>5.10.2013</b>	<b>11 AM</b>
<b>STATISTICS</b>	<b>5.10.2013</b>	<b>10 AM</b>
<b>CENTER FOR MATHEMATICS EDUCATION</b>	<b>5.10.2013</b>	<b>10 AM</b>
<b>COMPUTER &amp; SYSTEM SCIENCE</b>	<b>5.10.2013</b>	<b>1:00 PM</b>
<b>INTEGRATED SCIENCE, EDUCATION &amp; RESEARCH</b>	<b>5.10.2013</b>	<b>2:30 PM</b>