

## NOTICE

### **Interview for Admission to Ph.D. in Physics Programme (2024-2025)**

**Department of Physics  
Siksha-Bhavana, Visva-Bharati**

- i. **Date and time** : 10/12/2024, 10:30 am onwards
- ii. **Venue** : Department of Physics, Siksha-Bhavan, Visva-Bharati
- iii. **Name, number and email of the Contact Person in the Department:**

Dr. Sudipta Das

Mobile: 7797285744

Email: [sudipta.das@visva-bharati.ac.in](mailto:sudipta.das@visva-bharati.ac.in)

- iv. **Applicants must report at the venue at 9:30 am of the date of interview.** They must bring the following documents:

- Original Certificate of the qualifying UGC-CSIR NET/GATE, etc.
- Proof of ongoing Junior Research Fellowship, if any
- Original Marksheet of MSc Final Examination
- Original Caste certificate, if any
- A valid identity card bearing his/her photograph,
- Copy of the filled in Application Form.

- v. **Topics / Areas of Research**

Applicants must go through the attached list of available **Topics / Areas of Research**. **They should select any one or two from the list according to their choice and intimate the same by email to the address provided above positively by 8/12/2024.** If required, applicants may contact with the concerned faculty member through email.

For any further detail related to the interview, if required, applicants may enquire with the Contact Person. Applicants must also follow the university website time to time for all admission related information.



(Head, Department of Physics)

3/12/2024

**DEPARTMENT OF PHYSICS  
VISVA-BHARATI**

**TOPICS / AREAS OF RESEARCH**

<b>No.</b>	<b>Name of Faculty</b>	<b>Topics / Areas of Research</b>
1.	Prof. Swapan Mandal Email: <a href="mailto:swapan.mandal@visva-bharati.ac.in">swapan.mandal@visva-bharati.ac.in</a>	Quantum and Non-linear Optics, Laser Spectroscopy
2.	Prof. Manas Maity Email: <a href="mailto:manas.maity@visva-bharati.ac.in">manas.maity@visva-bharati.ac.in</a>	<u>Particle Physics</u> Specific areas - 1. Experimental and theoretical study of proton-proton collisions at the LHC, CERN 2. Detector related studies for particle physics and astro-particle physics experiments
3.	Prof. Tapas Kumar Kundu Email: <a href="mailto:tapaskumar.kundu@visva-bharati.ac.in">tapaskumar.kundu@visva-bharati.ac.in</a>	Nanoscience, Materials Science (Experiment)
4.	Prof. Pijush Kanti Ghosh Email: <a href="mailto:pijushkanti.ghosh@visva-bharati.ac.in">pijushkanti.ghosh@visva-bharati.ac.in</a>	1. Properties of Lattice systems with balanced loss-gain (Broad Category: Condensed Matter Systems) 2. Quantum Trajectories (Broad Category: Quantum Mechanics, Open Quantum System) 3. Interplay among Quantum chaos, quantum entanglement & Quantum Phase Transition (Broad Category: Quantum Mechanics, Nonlinear dynamics ) 4. Bohmian Quantum Mechanics (Broad Category: Quantum Mechanics)
5.	Prof. Bikash C. Gupta Email: <a href="mailto:bikashc.gupta@visva-bharati.ac.in">bikashc.gupta@visva-bharati.ac.in</a>	Condensed Matter Physics (Theory)
6.	Dr. Swapan Kumar Mandal Email: <a href="mailto:swapankumar.mandal@visva-bharati.ac.in">swapankumar.mandal@visva-bharati.ac.in</a>	1. Perovskite Materials, Solar Cell and Devices 2. Molecular Nanoscience.
7.	Dr. Buddhadev Mukherjee Email: <a href="mailto:buddhadev.mukherjee@visva-bharati.ac.in">buddhadev.mukherjee@visva-bharati.ac.in</a>	Accelerator-Based Gamma-Ray Spectroscopy and Nuclear Reactions Using HPGe Detectors
8.	Dr. Subhasish Roy Email: <a href="mailto:subhasish.roy@visva-bharati.ac.in">subhasish.roy@visva-bharati.ac.in</a>	Materials Science (Experiment)
9.	Dr. Sudipta Das Email: <a href="mailto:sudipta.das@visva-bharati.ac.in">sudipta.das@visva-bharati.ac.in</a>	<u>Cosmology</u> 1. Dark energy 2. Modified gravity theories 3. Gravitation 4. Inflationary cosmology
10	Dr. Amitava Bandyopadhyay	Optical switching and atom localization

**DEPARTMENT OF PHYSICS  
VISVA-BHARATI**

	Email: <a href="mailto:amitava.bandyopadhyay@visva-bharati.ac.in">amitava.bandyopadhyay@visva-bharati.ac.in</a>	
11	Dr. Biswajit Pandey Email: <a href="mailto:biswap@visva-bharati.ac.in">biswap@visva-bharati.ac.in</a>	<u>Astrophysics &amp; Cosmology</u> 1. Large-scale structures in the Universe, 2. Galaxy formation and evolution, 3. Structure and assembly history of the Milky Way
12	Dr. Rajkumar Singha Email: <a href="mailto:rksingha@gmail.com">rksingha@gmail.com</a>	Fabrication and study the properties of thin film nano-material devices prepared by solution based synthesis method
13	Dr. Anagha Chakraborty Email: <a href="mailto:anagha.chakraborty@visva-bharati.ac.in">anagha.chakraborty@visva-bharati.ac.in</a>	Exploring Nuclear Reaction Dynamics and Nuclear Structure Issues Through Different Probes
14	Dr. Swarup Kumar Majee Email: <a href="mailto:swarup@visva-bharati.ac.in">swarup@visva-bharati.ac.in</a>	High Energy Physics (Theory)
15	Dr. Jagadish C. Mahato Email: <a href="mailto:jagadishchmahato4@gmail.com">jagadishchmahato4@gmail.com</a>	Thin film deposition and their electronic, optical properties and Density functional simulation of two-dimensional materials
16	Dr. Rohit Kumar Email: <a href="mailto:raviphynuc@gmail.com">raviphynuc@gmail.com</a>	BRST Quantization of Gauge and Reparametrization Invariant Theories
17	Dr. Tanmoy Paul Email: <a href="mailto:tanmoy.paul@visva-bharati.ac.in">tanmoy.paul@visva-bharati.ac.in</a>	<u>Cosmology</u> 1. Primordial Gravitational Waves with NANOGrav 2. Reheating 3. Dark Energy with Hubble Tension 4. Cosmology and Thermodynamics 5. Entropic Cosmology 6. Modified Theories of Gravity 7. Bouncing Cosmology

SL NO	FORM NUMBER	NAME	Category	PWD	Type of Test	Date of certificate	PHD CAT	INTERVIEW
1	VBU0010805	ABHIJIT BAIRAGYA	GENERAL		GATE 2024	NA	CAT-1	QUALIFIED
2	VBU0011192	ABHIJEET LAHA	OBC-NON CREAMY LAYER		GATE 2024	NA	CAT-3	QUALIFIED
3	VBU0011694	ANIRBAN BASAK	OBC-NON CREAMY LAYER		GATE 2024	NA	CAT-1	QUALIFIED
4	VBU0011858	PROYAS DUTTA	GENERAL		CSIR-UGC 2024	12-09-2024	CAT-3	QUALIFIED
5	VBU0012188	CHANDRARKA SAHU	GENERAL		CSIR-UGC 2024	12-09-2024	CAT-3	QUALIFIED
6	VBU0012244	DEBANJAN PAL	GENERAL		CSIR-UGC 2024	12-09-2024	CAT-3	QUALIFIED
7	VBU0012659	DEBOJYOTI MAHANTA	GENERAL		GATE 2024	NA	CAT-3	QUALIFIED
8	VBU0012740	SUSHMITAA	GENERAL		CSIR-UGC 2024	12-09-2024	CAT-1	QUALIFIED

SL NO	FORM NUMBER	NAME	Category	PWD	Type of Test	Date of certificate	PHD CAT	INTERVIEW	REASON FOR NQ, IF ANY
1	VB0010699	ASHOKE HAZRA	SCHEDULED CASTE (SC)		CSIR-UGC 2016	08.10.2018	NA	NOT QUALIFIED	CERTIFICATE MORE THAN 1 YEAR OLD
2	VB0011288	BIMAL KUMAR TUDU	SCHEDULED TRIBE (ST)		CSIR-UGC 2018	28-03-2019	NA	NOT QUALIFIED	CERTIFICATE MORE THAN 1 YEAR OLD
3	VB0012439	SWARNENDU JANA	GENERAL			NA	NA	NOT QUALIFIED	NO NET OR EQUIVALENT EXAM
4	VB0012771	ANJAN BADYAKAR	GENERAL		GATE 2023	NA	NA	NOT QUALIFIED	QUALIFYING MARKS IS 31.1;CERTIFICATE MORE THAN 1 YEAR OLD
5	VB0013127	SAYED MAIMOON SAIDY	GENERAL			NA	NA	NOT QUALIFIED	NO NET OR EQUIVALENT EXAM
6	VB0013150	AFRIDI MOLLAH	GENERAL			NA	NA	NOT QUALIFIED	NO NET OR EQUIVALENT EXAM