

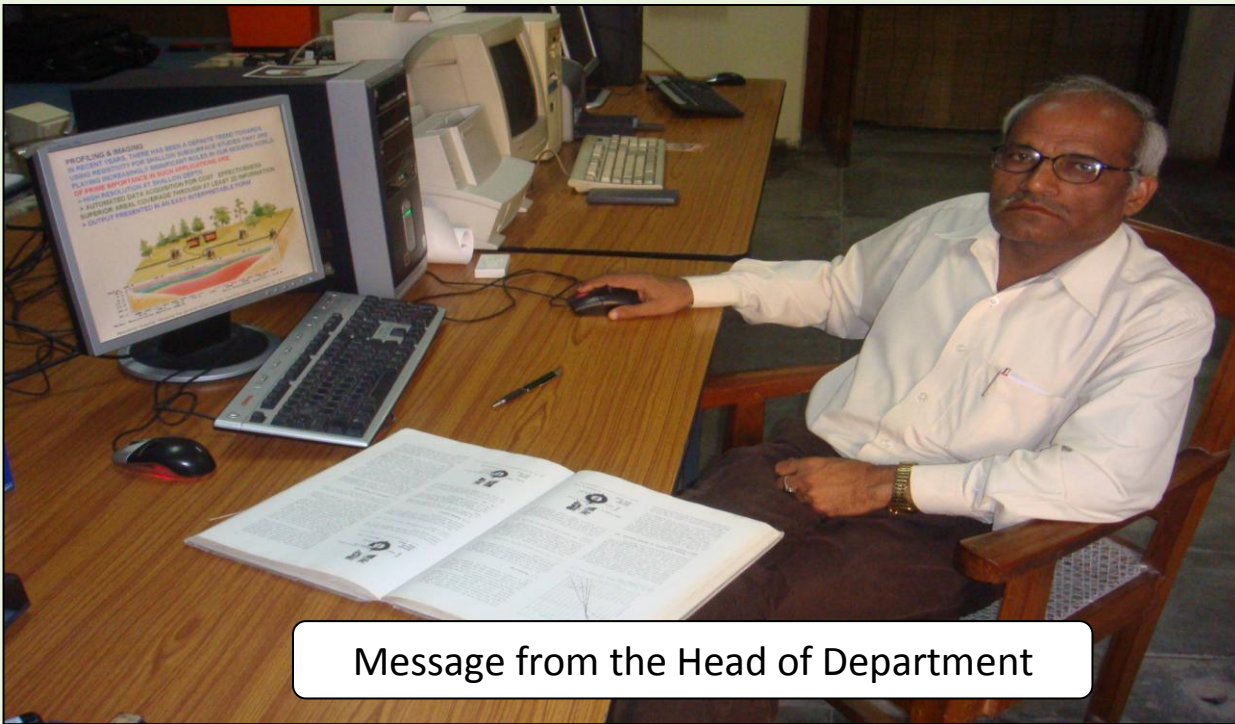


# Department of Geophysics Banaras Hindu University Varanasi, India



Placement Brochure  
2009-2010





## Message from the Head of Department

Department of Geophysics, Banaras Hindu University offers M.Sc. (Tech.) program covering contemporary and emerging fields of Geophysics having wide ranging interests to meet the growing needs of the industries. The rigorous academics and rigorous department-industry partnership help to prepare our students to keep pace with the changing times. The teaching program is backed by competent faculty members besides high quality academic infrastructure, which enables our students to be flexible enough to adapt and to come out with best possible solutions even in the most difficult situations. The faculty and students always strive hard to maintain its position of leadership in the various fields of Geophysics.

A large number of organizations have enjoyed lasting and fruitful relationship with us through the campus placement, which makes it evident that our alumni do deliver the best, with unmatched professional enthusiasm, to the companies/organizations they join. Our students have been selected by leading national and multinational companies/organizations.

It gives me pleasure to invite you for the Campus Placement program and welcome you to the Department of Geophysics. We have an unparalleled bouquet of talent pool to recruit from. Besides academics, our students are young, energetic & dynamic and are capable of thinking unconventionally to tackle any problem and deliver the best so as to prove to be an asset for your organization, besides enhancing the reputation of their alma mater. I hope through the campus recruitment process, both the recruiting organizations and our students to find the best match between their needs, capabilities and expectations.

Wishing all the best.

Prof. G.S. Yadav  
Head of the Department



Established in 1949, the department of Geophysics is one of the oldest pioneer centers of Geophysical education in the country. Since its inception the department is actively engaged in teaching updated courses in exploration Geophysics and Meteorology to post graduate students. The department also carries out field investigations and collaborative work with different government/ quasi government organizations. The department has awarded 110 PhDs and about 650 research papers have been published in reputed national and international journals. During the last three decades 27 research projects funded by various agencies like DST, ONGC, CGWB, UGC and CSIR have been completed. The department has organized several national and international seminars/ workshops/ symposiums in different domains.







### Library:

The Banaras Hindu University library system consists of a central library at the apex, 3 institute libraries, eight faculty libraries and twenty five departmental libraries with a total collection of about 13 lakhs books & journals.

### Geophysical Instruments Available:

- Seismic refraction and refraction unit
- Strong motion seismometers
- Three component seismograph recording unit
- Well logging unit
- Galitzon electromagnetic seismograph

- Proton precession magnetometer
- Worden gravimeter
- Analog resistivity meter
- Deep resistivity meter (DDR4 & DDR2)
- AC resistivity meter
- Dobson spectrometer





The Department of Geophysics with support of Indian Meteorological Department established its own AWS- Automatic Weather Station on 12<sup>th</sup> June, 2006. The weather station is fully automatic and its sends data to Indian Meteorological Department, Pune via ISRO's first Meteorological satellite *Kalpana 1*. The Department also has one ARS- Automatic Radiation Station which measures Diffusion Radiation, Global Radiation, Direct Radiation, Terrestrial Radiation and VA Radiation. The Automatic Weather Station is capable of measuring the following parameters-

- Temperature
- Humidity
- Pressure
- Rainfall
- Wind direction and wind speed

The Department is also running a number of projects with the help of Government agencies.

Some of the projects are –

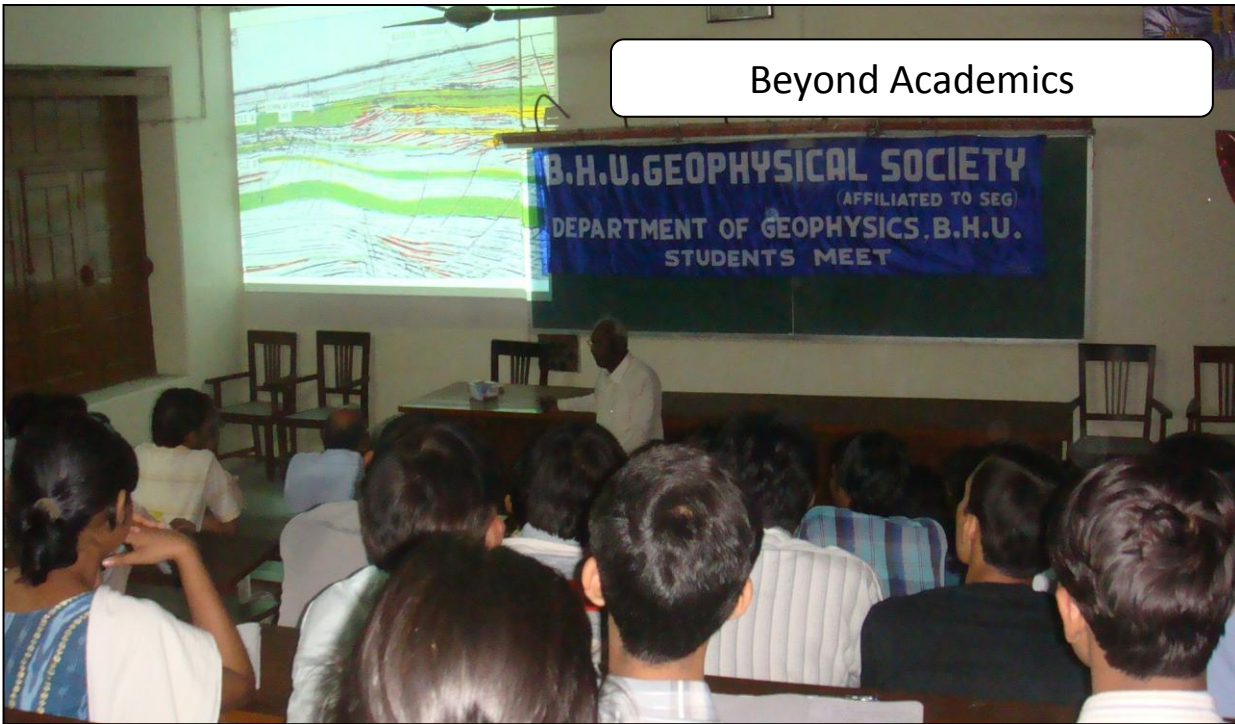
- Integrated Agro meteorological Advisory Services for farmers of East Vindhyan Agro climatic zone of Uttar Pradesh, India
- Climatic change and its impact on water resources and dry land agriculture with the support of CEC, Brussels, Belgium





The three year M.Sc. (Tech.) program in Geophysics aims at preparing young students to face the challenges in the domain of Exploration Geophysics. Apart from the fundamental theoretical inputs in Geophysics the programme seeks to equip students with practical knowledge and requisite skills to be effective in their profession. Along with the regular course the students take up dissertation and summer internship projects in leading oil and gas industries. The M.Sc. (Tech.) Geophysics course architecture –

- Elements of Geology
- General Meteorology
- Numerical methods & Computer programming
- Geohydrology
- Geoexploration & surveying
- Stratigraphy, economic & Petroleum Geology
- Solid Earth Geophysics
- Seismology
- Geoelectrical Methods
- Gravity & Magnetic Methods
- Geoelectromagnetic Methods
- Remote Sensing & GIS
- Mathematical Methods in Geophysics
- Instrumentation & Signal Processing
- Communication Theory
- Seismic prospecting & Stratigraphy
- Well logging & Reservoir Geophysics
- Physical Oceanography & Marine Geophysics
- Project work/Dissertation
- Summer Internship
- Seminar
- Viva-voce




Student life at Banaras Hindu University is a tremendous blend of learning and fun. The Department of Geophysics promotes student activities which range from sports competitions, festivals, seminars, conferences and Geophysical clubs like Banaras Hindu University Geophysical Society affiliated under SEG & SPG.



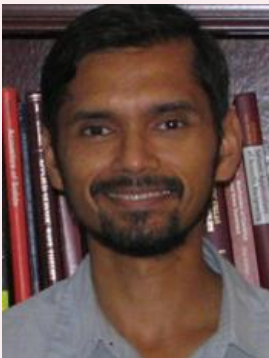
## BHU Geophysical Society

Banaras Hindu University boasts of an sports infrastructure that matches world standards including- Swimming pool, Football grounds, Cricket grounds, Indoor badminton courts, Lawn tennis courts, Basketball courts, Gymnasium hall, Squash courts, Race tracks, Mountaineering club, etc





Some of Our Alumni at Top Positions

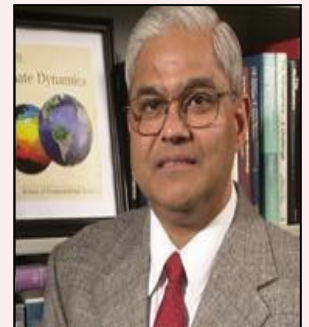


**Tapan Mukerji**

Associate Professor (Research)  
 Co-Director, Stanford centre for Reservoir Fore  
 Associate Editor for *Geophysics*, Journal of the SEG  
 Stanford University

**Jagadish Shukla**

Distinguished University Professor,  
 President, Institute of Global Environment and Society  
 International Meteorological Organization (IMO) Prize  
*(Highest honor in the world of Meteorology)*  
 George Mason University



**Dr Deva Ghosh**

Developed the "***Ghosh Filter***"  
 Geophysical Advisor  
 PETRONAS Research  
 Kuala Lumpur, Malaysia





Some of Our Past Recruiters

**Schlumberger**

  
**Reliance**  
Industries Limited  
Growth is Life



  
ऑयल इंडिया लिमिटेड  
**OIL INDIA LIMITED**


  
**GAIL (India) Limited**  
ment of India Undertaking  
- A Navratna Company)

  
Computational Research Laboratories

  
**HINDUSTAN ZINC LIMITED**

**RELIANCE Natural Resources**  
Anil Dhirubhai Ambani Group

**ESSAR** 

  
**WIPRO**  
Applying Thought

  
GX TECHNOLOGY

  
**SAIC**  
From Science to Solutions

  
ओएनजीसी  
**ONGC**



## Campus Recruitment Program

### **Placement Committee-**

The Campus Recruitment is coordinated by a placement committee constituted of students. The Placement policies and other related activities are handled by the Placement in-charge in consultation with the Head of the Department and the Student Representatives.

### **The Process-**

Interested companies are requested to contact the Placement in-charge for initial discussions and confirming all schedules. They are also requested to indicate the facilities they require for the selection procedure, viz. accommodation/transport facilities.

On receiving communication from interested companies the Placement committee will forward the Bio data of the students. The selection procedure is generally conducted in the campus but if required the students can also be called for the interviews at the company headquarters.

On final selection the appointment letter issued by the organization is sent to the student through the placement committee.

### **Pre- Placement Talk (PPT)-**

All companies are expected to deliver a pre placement presentation to the students where all relevant information about the job may be discussed. If such a presentation is not possible on the part of any company, then it is requested to send all the relevant details to the Placement in-charge





## **CONTACT US:**

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