



# Two Days National Workshop on Particle Accelerator for Interdisciplinary Research (Under the Aegis of ISPA)

**February 18-19, 2014**

**Department of Pure and Applied Physics  
Guru Ghasidas Vishwavidyalaya  
Bilaspur-495009 (C.G.), INDIA**



## About The Workshop

The workshop has been planned to provide a platform for intense academic deliberations on use of Accelerators in research and to identify the area of research that are emerging in the various field of studies using ion beams. The workshop will focus on updated R&D in the accelerator based research especially the facilities established in the National Centre for Accelerator based Research (NCAR), Department of Pure & Applied Physics at Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur along with online and offline facilities. These facilities include Ion Beam Implanter, Rutherford Backscattering Spectrometry and Particle Induced X-rays Emission that will be available online and Surface Electron Microscopy, Atomic Force Microscopy, X-ray diffraction, Impedance Spectroscopy, Photoluminescence, Differential Scanning Calorimetry, Fourier Transform Infrared Spectroscopy, UV-VIS Spectrometry, Ferroelectric and Electrical characterization method available in the department.

## Workshop Topics

- ❖ Accelerator: Different types
- ❖ Ion Beam Analysis
- ❖ Material Synthesis, Modification and Nano-structuring using Energetic Ions
- ❖ Ion Implantation using accelerator
- ❖ Low Energy Accelerator for Neutron Generation
- ❖ Neutron Induced Reaction Studies & Other Related Topics
- ❖ Proposals from Potential Users ( Special session )



### Patron

**Dr. Lakshman Chaturvedi  
Vice-Chancellor GGV,  
Bilaspur**

### Convener

**Prof. P. K. Bajpai**

### Organizing Secretaries

**Dr. Shiv Poojan Patel  
Dr. Tarkeshwar Trivedi**

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## How To Apply

Interested Faculty/Scholars/Students can send the following details (i) Name (ii) designation (iii) name of the university/college/institute (iv) address for correspondence (including e mail id) and (v) research interests. The application must reach via email or post to Dept. of Pure & Applied Physics, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur-495009. ( Proposal for using ion beam at NCAR, GGV may also be submitted along with application. Registration Form and other details may be obtained from our website: [www.ggu.ac.in](http://www.ggu.ac.in)

E-mail: [gguabrf@gmail.com](mailto:gguabrf@gmail.com)

### Registration Fees:

For research scholar/students/fellows:	Rs. 500
For faculties :	Rs. 1000
For participants from industries:	Rs. 2000

**Last date for sending application to attend the Workshop:  
10<sup>th</sup> February, 2014**