

Post Graduate Internship Program 2007

The National Centre for Radio Astrophysics, TIFR, Pune, invites applications for a one-year post graduate internship program in radio astronomy. This program has the aim of orienting bright and motivated students with a degree in science or engineering (usually M.Sc. Physics or B.E. with Electrical/Electronics, but exceptions are possible) to a research career in astronomy, particularly at radio wavelengths. The program will involve courses in the relevant basic physics topics (classical, quantum, statistical mechanics and electrodynamics) at the master's level, with exposure to computation, data analysis and basic astronomy. The students will also be introduced to radio astronomy, with emphasis on areas studied with NCRA's major facility, the Giant Metrewave Radio Telescope (GMRT). Selected students will be expected to participate in observatory related and other activities at NCRA and GMRT and will be given campus accommodation and a stipend to cover their living expenses.

After successful completion of the first year, students will be considered for entry into NCRA-IUCAA graduate school which gives a broad exposure to astronomy and entitles the students to register for the doctoral (Ph.D.) program at NCRA. While this is the main goal of the program, the skills and experience acquired are of broader applicability, e.g. in other branches of astronomy or experimental physics.

Applications should be made on the prescribed form which can be downloaded from <http://www.ncra.tifr.res.in> and should reach the Academic Coordinator, NCRA by **8 June 2007**.



National Centre for Radio Astrophysics

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Department of Physics Karnatak University

Dharwad 580 003



Applications are invited for the post of Junior Research Fellow (JRF) to carryout research in Department of Physics, Karnatak University, Dharwad under project entitled '**Developing a High Sensitive Laser Technique for the Fabrication of Fiber Grating Sensors and their Characterization – Applications of Grating Technology in Chemical Sensing and in Nuclear Environments**'. Details are as follows.

Principal Investigator : Dr U. S. Raikar, Reader in Physics, Karnatak University, Dharwad

Post : **One Junior Research Fellow**

Qualification : M.Sc. in Physics

Salary : Rs 8000 per month for 1st and 2nd year
Rs 9000 per month for subsequent year and admissible HRA/MA

Conditions : (1) Duration of the project – Three years
(2) Selected candidates should be prepared to undertake the research work at Department of Physics, Karnatak University, Dharwad

Interested candidates may send an application letter along with their Resume to the Principal Investigator on or before **25 May 2007**. Shortlisted candidates will have to attend an interview on a date to be intimated later. **No TA/DA will be paid for attending the interview.**