

## Career and Research Opportunities at RRCAT

### A: Opportunities at Scientific Officer Level

#### A.1: BARC Training School at RRCAT

The BARC Training School at RRCAT, Indore conducts one year intensive orientation course for engineering graduates and science post-graduates in Physics, and Electrical/ Electronics Engineering, with specialized courses in lasers and accelerators, to provide trained manpower in these disciplines to various units of the Department of Atomic Energy (DAE). The selection of the Trainee Scientific Officers is done in a centralized manner by BARC, Mumbai, for all BARC Training Schools situated in various units of the Department. The course is residential and hostel accommodation is provided to all trainees. During the training period, the trainees are entitled for a monthly stipend of ₹ 35,000 and one-time book allowance of ₹ 10,000. On successful completion of the orientation course, the trainees are appointed in the grade of Scientific Officer C [Level 10 of the 7<sup>th</sup> Pay Commission]. Appointment is made at the beginning of the pay scale, with trainees getting two or three increments depending on their performance during the training course. For more information, please log on to -<http://oces.hbni.ac.in/http://www.barc.gov.in/careers/index.html#sandt>

#### A.2: K. S. Krishnan Research Associateship

The Board of Research in Nuclear Sciences (BRNS) constituted by the Department of Atomic Energy has a K. S. Krishnan Research Associateship (KSKRA) Programme. Under this programme candidates who hold Ph.D. degree (engineering or science) or Master's degree in Engineering (M.Tech./ M.E./ M.S.) with a minimum of 2-year R&D experience after obtaining M.Tech./ M.E./ M.S. degree, are eligible to apply. Selected candidates get opportunity to work in appropriate units of DAE having R&D programs suiting to the work experience of the selected candidates. Some of the selected candidates with experience in lasers, accelerators or synchrotron based materials science are posted at RRCAT. The selected candidates would be appointed as KSKRA for an initial period of one year, which is extendable by one more year based on his/her performance during the first year. KSKRAs are paid a monthly stipend plus additional benefits like hostel accommodation, medical coverage, and leaves. In addition to this, every candidate gets *Educational Material Allowance*. Any time during their second year of Associateship, subject to satisfactory performance as evaluated by the concerned DAE unit, a KSKRA may be appointed as a Scientific Officer D [Level 11 of the 7<sup>th</sup> Pay Commission] with additional increments depending upon his/her qualification, experience and performance. For more details on stipend, allowances etc., please log on to: <http://www.barc.gov.in/careers/index.html#kskra>

### B: Opportunities at Scientific Assistant and Technician Level

To cater to the need of scientific support staff, graduates in science and diploma holders in various engineering branches are recruited through a two-year Stipendiary Training Scheme (Category-I) and they are absorbed as Scientific Assistant-C [Level 7 of the 7<sup>th</sup> Pay Commission] after successful completion of the training in the various RRCAT activities. During the training period, they get a stipend of ₹ 9,300 per month for 1<sup>st</sup> year and ₹ 10,500 per month for 2<sup>nd</sup> year. Similarly, to cater to the need of technical support staff, candidates having qualification of HSC (Science) or SSC followed by ITI certificate, are recruited under a two-year Stipendiary Training Scheme (Category-II), and they are absorbed as Technician-B [Level 3 of the 7<sup>th</sup> Pay Commission] or Technician-C

[Level 4 of the 7<sup>th</sup> Pay Commission] after successful completion of the training in various RRCAT activities. Appointment is made at the beginning of the pay scale, with trainees getting up to three increments depending on their performance during the training course. During the training period, they get a stipend of ₹ 6,200 per month for 1<sup>st</sup> year and ₹ 7,200 per month for 2<sup>nd</sup> year. In addition to above Category I & II Trainees are also entitled for one-time book allowance of ₹ 1,500 for purchase of approved books pertaining to their training course. Recruitment in both categories is normally carried out through open advertisements at RRCAT website, Employment News, local and / or national newspapers as applicable. For more details of these programme, please visit : [http://www.rrcat.gov.in/hrd/Opening/Current\\_Openings.html](http://www.rrcat.gov.in/hrd/Opening/Current_Openings.html)

### C: Ph. D. Programme at RRCAT

RRCAT is a Constituent Institute of the "Homi Bhabha National Institute" (HBNI), a Deemed to be University with NAAC "A" grade. RRCAT invites students with appropriate qualifications to pursue Ph. D. program in various specialized areas of Physical, Chemical, and Life Sciences, and Engineering (presently only Mechanical). DAE Research Fellowships are offered to those selected for the pursuit of Ph.D. The present fellowship amount is ₹ 25,000 per month for the first two years (as Junior Research Fellow) and ₹ 28,000 per month for the subsequent years (as Senior Research Fellow), subject to satisfactory yearly progress. Additionally a contingency grant of ₹ 32,000 per annum is provided to each scholar. For more details, please log on to: <http://www.rrcat.gov.in/hrd/advtd/phdad.html>

### D: Projects at RRCAT for University Students

RRCAT offers opportunities to the students pursuing M.Tech. / M.E./ M.Phil./ M.Sc. degree in Science and Engineering from recognized institutions in India for carrying out project work towards partial fulfilment of their post graduate degree. This scheme has no prescribed training programme/ curriculum. Each selected student has to carry out the project individually under the guidance of a Scientist/ Engineer of RRCAT, on all working days. The project duration is from minimum six months up to twelve months. Free hostel accommodation is normally given to the outstation students. Students are also eligible for financial assistance of ₹ 1,000 per month, and are paid II class (sleeper) train fare by the shortest route, from the place of their present institute of study / residence, to Indore and back, after completion of their project work. For more details, please log on to: <http://www.rrcat.gov.in/hrd/advtd/project.html>

### E: Orientation Course on Accelerators, Lasers and related Science and Technologies (OCAL)

RRCAT conducts an 8 week duration certificate course titled "Orientation Course on Accelerators, Lasers and related Science and Technologies (OCAL)" every year for 8 weeks during the months of May to July for post-graduate students from all over India. The students selected for the Orientation Course are provided free lodging and boarding at RRCAT. In addition, they are given a monthly stipend of ₹ 1,500 (at the rate of ₹ 50 per day). The students completing the Course are eligible for the above financial support based on their attendance and performance. Students are paid II class (sleeper) train fare by the shortest route, from the place of their present institute of study / residence, to Indore and back. For information about eligible disciplines, admissible qualifying degrees, other academic requirements, selection process, etc., please log on to: <http://www.rrcat.gov.in/hrd/advtd/ocal.html>