

The 10 vision schemes of DAE are: First stage of Indian Nuclear Power Program, Uranium and Rare Metals-Exploration, Mining & Milling, Second Stage of Indian Nuclear Power Programme, Health Care, Food Security, Water & Waste Management, Mega Science Schemes, Basic Research and Science Education, Directed Research and, Social Outreach and Awareness. RRCAT has worked on the following vision schemes out of the ten vision schemes of DAE.



Camp for oral cavity screening during DAE Iconic Week using OncoDiagnoScope developed by RRCAT.

Out of these DAE vision schemes, in the Health Care vision, RRCAT has developed OncoDiagnoScope and Tuberculoscope; In the Food Security vision, RRCAT has developed facilities like “Agricultural Radiation Processing Facility (ARPF)”, liquid nitrogen based refrigerated transportation technology named as Sheetal Vahak Yantra (SHIVAY); In the Mega Science vision, we are collaborating with CERN, LIGO and Fermi Lab.; and in the basic and directed research vision, RRCAT has developed national facilities like synchrotron radiations sources Indus-1 and Indus-2, which have produced more than 950 research articles in past 5 years. During Azadi Ka Amrit Mahotsav, each of the lectures delivered in the schools, colleges and universities highlighted these developments and all the visitors to our laboratories were shown these devices and facilities. These lectures were also part of Social Outreach and Awareness vision of DAE.

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N.7: Bhartiya Bhasha Utsav celebrated at RRCAT by HBNI-RRCAT

Bhartiya Bhasha Utsav was celebrated at RRCAT by HBNI-RRCAT students and faculty on Janma Jayanti of Mahakavi



Inauguration of Bhartiya Bhasha Utsav by Shri Rajesh Arya, SOH & Head, LED.

Subramania Bharati on 11th Dec. 2022. Shri Rajesh Arya, SOH, Head, LED inaugurated the Bhartiya Bhasha Utsav.

HBNI students prepared posters on different Indian languages showcasing the history and prominent figures of those languages. Also, the poster had information about culture of the zone where those languages are spoken. The posters were made in Hindi, Marathi, Bhojpuri, Maithili, Bengali, Odiya, Rajasthani, Haryanvi, Garhwali, Himanchali, Tamil and Malayalam languages.



Shri Rajesh Arya and other dignitaries visiting poster gallery.

A large number of students and RRCAT staff visited the poster gallery. The poster session was followed by cultural programs, where there were songs and poem recitations on all the languages listed above including Telugu language. Some girl students presented folk song and dances from their region. This was followed by a skit named “Tamasha” performed by the group “Rangrupiya Theaters” and Kabir Bhajans in Malviya Lok-Gayan Shaili Gayan by the group of “Lakhan Mandloi”.

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N.8: Graduation Function of 22nd batch (OCES-2021) of BARC Training School at RRCAT

The Graduation Function of 22nd batch (OCES-2021) of BARC Training School at RRCAT took place on 27th Oct. 2022. Dr. S. Chaturvedi, Director, Institute of Plasma Research, Gandhinagar was the Chief Guest of the function and Dr. S. V. Nakhe, Director, RRCAT presided over the function. A total of fourteen Trainee Scientific Officers (twelve male and two female), which includes eight Physicists, five Electronics Engineers and one Electrical Engineer, graduated in this batch. Shri Ashok Kumar Sahoo was awarded Bhabha Medal for securing highest marks amongst all trainees. Dr. Chaturvedi and Dr. Nakhe distributed the Bhabha Medal as well as Graduation Certificates to all the TSOs.



Group photo of Trainee Scientific Officers with dignitaries after the Graduation Function.

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N.9: Trade Apprenticeship Scheme at RRCAT

Trade Apprenticeship Scheme at RRCAT (TASAR), has imparted valuable practical training to almost 140 apprentices since its commencement in the year 2018. Suitable ITI qualified candidates are selected as trade apprentices on the basis of merit list prepared by taking into account percentage of marks scored in both ITI and 10th class. Apprentices in various trades are given access to the engineering infrastructure under the guidance of experienced engineers and technicians for enhancing their practical skills. This scheme is helping the organisation by providing semi-skilled technical manpower.

Recently, fifth batch of apprenticeship has joined RRCAT under various trades, which also include non-engineering trades of COPA and secretarial assistant. Total 62 apprentices have joined in November and December 2022 and have been placed in different Divisions and Sections as per the requirements previously given by them.

Earlier, the fourth batch of TASAR had successfully completed the apprenticeship on 30th September 2022. A warm send-off was given to the apprentices by organizing the Valedictory Function on that day. Dr. S. V. Nakhe, Director, RRCAT and Shri Purushottam Srivastava, Director, PAG graced the occasion. Shri Bhupinder Singh delivered the welcome address and Shri Bharat Kumar Rawlani Head, EE & ACS, CSD briefly described the activities of the TASAR program. Shri Purushottam Srivastava congratulated the apprentices and appreciated the program for making the apprentices technically skillful. This was followed by distribution of certificates to 19 apprentices who successfully completed the apprenticeship. Following that, Dr. S. V. Nakhe congratulated and encouraged the apprentices to be disciplined, hardworking and positive to achieve success in their journey ahead. TASAR apprentices Kum. Raksha and Shri Utkarsh Singh shared their experiences on apprenticeship. At the end, Smt. Bhavna N.

Merh proposed the vote of thanks. Comparing of the event was done by Shri Alkanj Shukla of Recruitment Cell.

Some of the apprentices of previous batch have been placed in prestigious organizations like NFC, Hyderabad, NISER, Bhubaneswar, RCI, DRDO, Hyderabad and DCSEM, DAE, Mumbai. The recruited apprentices have acknowledged that the technical skills acquired at RRCAT helped in performing well in the skill test stages of the recruitment process.



Valedictory Function of TASAR Fourth Batch.

Increase of stipend from ₹ 7,750/- to ₹11,600/- per month has made the scheme further attractive for the future applicants who would like to join the apprenticeship in RRCAT. Existing hostel facility in RRCAT guest house has been provided to the 14 female apprentices of the 5th batch while male apprentices have been temporarily provided shared accommodation in vacant B-type quarters.



Apprentice performing electrical wiring of laser power supply.



Apprentice performing welding jobs at Design & Manufacturing Technology Division.