

### N.15: New Recruits

RRCAT welcomes the following personnel who have joined during January 2023 to June 2023:

- Shri Manjeet Kumawat, SAC, DMTD

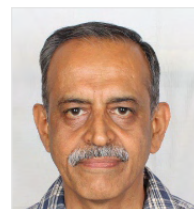
### N.16: Superannuations

The following RRCAT colleagues retired during January 2023 to June 2023. RRCAT family wishes them a happy and healthy post-retirement life.

- Shri Pravin Fatnani, OS, ACBDD  
DoJ: 01.08.1986, DoR: 31.05.2023.
- Shri Rakesh Kumar Gupta, SOH, EDMS  
DoJ: 21.12.1984, DoR: 30.06.2023.
- Shri Ram Mohan Pandey, SOH, CSPCS  
DoJ: 16.03.1988, DoR: 30.06.2023.
- Dr. Mukesh Kumar P. Joshi, SOH, PNL  
DoJ: 01.08.1988, DoR: 30.06.2023.
- Smt. Arti Shelke, SOH, CSDC  
DoJ: 24.02.1997, DoR: 31.05.2023.
- Shri Niketan Kumar Sethi, SO/G, GHMDWC  
DoJ: 03.09.1984, DoR: 30.04.2023.
- Dr. Abha Uppal, SOG, APML  
DoJ: 27.12.1990, DoR: 30.06.2023.
- Shri Om Prakash Joshi, TOE, HPLEL  
DoJ: 26.04.1990, DoR: 31.03.2023.
- Shri S. William Amalraj, SAG, HEOS  
DoJ: 23.11.1987, DoR: 31.05.2023.
- Shri R.K. Jain, SAG, ILAS  
DoJ: 02.05.1988, DoR: 30.06.2023.
- Shri Sudarshan Ramgopal Patwa, SAG, HEOS  
DoJ: 18.11.1987, DoR: 30.06.2023.
- Shri C.B. Panwar, SAG, LTD  
DoJ: 15.01.1990, DoR: 31.03.2023.
- Shri Akhilesh Kumar Pathak, SAG, EWC  
DoJ: 06.09.1984, DoR: 30.04.2023.
- Shri Surendra Singh Kushwah, SAF, CVLEL  
DoJ: 20.11.1987, DoR: 31.01.2023.
- Shri Lakshman Chowdhry, SAF, PLDD  
DoJ: 28.11.1989, DoR: 30.04.2023.
- Shri Praduman Krishen Bhan, SAF, ESLM  
DoJ: 18.07.1994, DoR: 30.04.2023.
- Shri S.M. Sharma, Foreman/C, LMIL  
DoJ: 01.01.1990, DoR: 31.01.2023.
- Shri C.B. Kulkarni, Tech. Sup./B(Drg.), UHVVEL  
DoJ: 26.11.1987, DoR: 31.05.2023.
- Shri Bhimsen Verma, Tech. Sup./A, MTL  
DoJ: 13.09.1988, DoR: 30.06.2023.

- Shri Jose S. Pulickal, Tech. Sup./A, MTL  
DoJ: 12.08.1988, DoR: 31.03.2023.
- Shri Umashankar Babulal Yadav, Sr. Techn./H, CCMS  
DoJ: 02.04.1985, DoR: 30.06.2023.
- Shri Kanhaiya Sukhlal, Techn./G, CTL  
DoJ: 03.09.1984, DoR: 31.05.2023.
- Shri Nirbhay Singh Balram, Techn./F, Dir. Off.  
DoJ: 05.09.1984, DoR: 31.05.2023.
- Shri Prakash Jumman, Sr. Wrk. Ast./B, CTL  
DoJ: 04.04.1991, DoR: 31.05.2023.
- Shri Khyali Ram, Sr. Wrk. Ast./B, MTL  
DoJ: 19.02.2003, DoR: 31.03.2023.
- Shri S.C. Satapathy, SubOff(C), FSS  
DoJ: 04.03.2013, DoR: 31.05.2023.
- Shri Om Prakash, HSG, Security  
DoJ: 23.04.1986, DoR: 30.04.2023.

**Shri Pravin Fatnani**, Outstanding Scientist and Head, Accelerator Control Systems Division and Head, Beam Diagnostics & Coolant Systems Division superannuated on May 31, 2023 after a meritorious service of ~37 years in the Department of Atomic Energy. Shri Fatnani graduated in Electrical Engineering from NIT Raipur in 1985. After completing orientation course from the 29<sup>th</sup> batch of BARC Training School, he joined Accelerator Controls team at RRCAT in 1986. Right from his early days, he was actively involved in planning and setting up the laboratories and infrastructure of the data acquisition and control system lab. He has made immense contribution in the indigenous development of VME control system hardware. He was involved in the development and commissioning of control systems for Microtron, Booster Synchrotron, Transport Lines-1 & 2, and Indus-1 Synchrotron Radiation Source (SRS). Subsequently, he spearheaded and led the controls team in realizing Indus-2 SRS control system. He was actively involved in planning, building and integrating several critical interfaces and control system aspects for various Indus-2 sub-systems including beam orbit controls, SCADA, database, web technologies, machine information system, etc. He has also guided the development of control and data acquisition system of industrial electron Linacs, Vertical Test Stand (VTS) and Horizontal Test Stand (HTS) for superconducting radio frequency (SCRf) cavity testing, H<sup>+</sup> ion source for proton Linac, etc. He has been conferred with DAE Science & Technology Excellence award and several Group Achievement awards. RRCAT family wishes him and his family a very happy, healthy and fulfilling post-retired life.



**Shri Rakesh Kumar Gupta**, Scientific Officer/H and Head, Laser Components Design and Fabrication Section superannuated on June 30, 2023, after a meritorious service of 38 years in the Department of Atomic Energy. Shri Gupta's educational background includes Diploma in Mechanical Engineering (1983) and B. E. in Mechanical Engineering (1991) from SGSITS, Indore. He joined BARC in 1984 and transferred to RRCAT in 1986. Throughout his tenure at RRCAT, Shri Gupta played a key role in procuring, installing and commissioning of various critical equipment including precision measuring instruments, CNC machines, fabrication facilities, and glass-blowing furnaces. His significant contributions include metrology and quality control of crucial components for various projects such as microwave cavities for 12 MeV and 20 MeV Microtron, Dipole magnets and RF cavity for Indus-1, Dipole UHV chambers and straight UHV chambers for Indus-2 at M/s HAL, Nasik, 505.8 MHz RF cavity for Indus-2, Components and cups for LINAC of ARPF, Forming tooling, half-cell, components for 1.3 GHz and



650 MHz Niobium SCRF cavity. He further distinguished himself by contributing to the design and development of flow control needle valves, Laser alignment system, Horizontal beam scraper, and Beam position monitor. These advancements were instrumental for beamlines of Indus-1 and Indus-2. Shri Gupta also played a vital role in manufacturing various precision UHV-compatible components for ongoing projects within the Laser and Accelerator programs. In recognition of his outstanding contributions, Shri Gupta received ten DAE Group Achievement Awards. Since 2010, he has also led the successful implementation of a two-year Stipendiary Training Programme (STP) at RRCAT, overseeing the training and induction of over 150 trainees across various disciplines. RRCAT family wishes him and his family a very happy, healthy and fulfilling post-retired life.

**Dr. Mukesh Kumar P. Joshi**, Scientific Officer/H and Head, Photonic Nanomaterials Lab, Laser Materials Processing Division, superannuated on June 30, 2023, after a meritorious service of 36 years in the Department of Atomic Energy. He obtained M. Sc. in Physics from IIT Bombay, Mumbai in 1987. He joined RRCAT in 1988 as SO/C after graduation from 31<sup>st</sup> batch of BARC training school, Mumbai. He started his research career in the field of nonlinear optics and obtained Ph. D. degree from IIT Bombay while working on the optoelectronic properties of Fullerene C<sub>60</sub> and its nanocomposites for optical limiting device application. He also spent two years (1996-1998) at University of Buffalo NY, USA, and carried out research on polymer-based nanocomposites for optical limiting, 3D data storage, and microfabrication. He was also a Professor at Homi Bhabha National Institute (HBNI), Mumbai, and guided three Ph. D. and several M. Tech. and M. Sc. project students. At RRCAT, he made substantial contribution in the field of growth



and characterization of photonic nanomaterials for energy conversion and storage applications such as solar cells, solar fuels, photodiodes, NLO devices, etc. He developed methods of fabricating thin films and nanostructures using nano and femtosecond lasers. He also developed material characterization tools such as transient photoconduction and photoluminescence, soft x-ray excited visible luminescence, etc. for investigating optoelectronic properties of nanostructured materials. RRCAT family wishes him and his family a happy, healthy, and fulfilling post-retirement life.

**Shri Ram Mohan Pandey**, Scientific Officer/H and Head, Coolant Systems and Process Control Section, superannuated on June 30, 2023 after a meritorious service of 35 years in the Department of Atomic Energy. Shri Pandey graduated in Mechanical Engineering from Maulana Azad College of Technology (now MANIT, Regional Engineering College), Bhopal in 1985. He joined RRCAT in March 1988 as Scientific Officer/SC in Cryogenics Division and was involved in developing cryomodule. Later in the year 1989, he was given the responsibility of development of low conductivity water (LCW) coolant system for Indus accelerators. He has vast experience in the field of design, development, installation, and operation & maintenance of coolant systems in round-the-clock mode. He has played a pivotal role in the commissioning of LCW plants for the operation of Indus-1 and Indus-2 synchrotron radiation sources and contributed in various upgrade activities for enhancement of their performance. He has also played a key role in the development and deployment of precision cooling systems for Indus-2 RF cavities. RRCAT family wishes him and his family a very happy, healthy and fulfilling post-retired life.



**Smt. Arti Shelke**, Scientific Officer/H & Head, Civil Structural Design Cell, Construction & Services Division, RRCAT superannuated on May 31, 2023. She did her Bachelor of Engineering (Civil) in the year 1983 and Master of Engineering (Structural Engineering) in 1986. She joined DAE in November 1985 and Construction & Services Division of RRCAT in February 1997. At RRCAT, she was associated with planning, analysis and detailed structural design of civil structures meeting multidisciplinary stringent requirements. Her contribution includes analysis and structural design of various structures like Petawatt laser lab building, SCRF cavity test stand lab, IRFEL lab building, etc. She was also entrusted with additional responsibility of quality assurance and quality control of RCC structures. She was also a member of the various committees including SSC to grade SO/C, Infrastructure Committee, etc. RRCAT family wishes her and her family a very happy, healthy and fulfilling post-retired life.



**Dr. Abha Uppal**, Scientific Officer/G, Laser Biomedical Applications Division, superannuated on June 30, 2023 after a meritorious service of 33 years in the Department of Atomic Energy. She did Ph. D. in Biochemistry from Devi Ahilya Viswavidyalaya, Indore. She joined RRCAT in December 1990 and since then she has been associated with Laser Biomedical Applications activity. Her principal areas of interest and expertise include use of light based approaches for diagnosis of diseases, cell micromanipulation and selective therapy. In particular, she contributed significantly to the activities related to design and development of silica nanostructures for photosensitizer delivery to mammalian cancer cells. She has 38 research papers published in international journals and 43 conference proceedings to her credit. She is a recipient of two DAE Group Achievement Awards in the year 2012 and 2013 related to the “Development of Optical Trapping Set ups” and “Design, Development and utilization of Optical Techniques for high resolution biomedical imaging”, respectively. She also guided five M. Sc. students during her tenure. RRCAT family wishes her and her family a happy, healthy and fulfilling post-retirement life.



### N.17: राराप्रप्रौके में राजभाषा गतिविधियाँ: जनवरी 2023 – जून 2023

01 जनवरी 2023 से 30 जून 2023 तक राजभाषा निरीक्षण से संबंधित विभिन्न गतिविधियाँ इस प्रकार रहीं:

दिनांक 28.04.2023 को केंद्र में राजभाषा वार्ता का आयोजन किया गया जिसमें ‘आधुनिक जीवन शैली में स्वस्थ रहने के लिए योग का महत्व’ विषय पर बी. के. बांद्रे द्वारा व्याख्यान दिया गया। राजभाषा कार्यान्वयन समिति की दो बैठकें दिनांक 27.03.2023 तथा 28.06.2023 को निदेशक, राराप्रप्रौके की अध्यक्षता में आयोजित की गईं। दिनांक 20.03.2023 तथा 25.05.2023 को नियमित हिंदी कार्यशालाओं का आयोजन किया गया जिनमें क्रमशः 27 तथा 21 पदाधिकारियों ने भाग लिया। जन संपर्क प्रकोष्ठ, सुरक्षा अनुभाग, अग्निशमन एवं संरक्षा, संगणक प्रभाग, रेडियो आवृत्ति प्रणाली प्रभाग एवं लेसर नियंत्रण एवं उपकरणिकरण प्रभाग का आंतरिक राजभाषा निरीक्षण किया गया। जनवरी-मार्च, 2023 एवं अप्रैल-जून 2023 की तिमाहियों में परमाणु ऊर्जा राजभाषा कार्यान्वयन योजना (अटॉलिस) के अंतर्गत कुल 133 पदाधिकारियों ने भाग लिया तथा 72 पदाधिकारियों को प्रोत्साहन पुरस्कार प्रदान किए गए। दिनांक 09.02.2023 को नराकास, इंदौर की 77 वीं बैठक में केंद्र से श्री पुरुषोत्तम श्रीवास्तव, निदेशक, प्रोटोन त्वरक वर्ग ने भाग लिया।

प्रस्तुति:  
विमल कुमार शुक्ल ([vimalks@rrcat.gov.in](mailto:vimalks@rrcat.gov.in))