



"Signal Integrity and Shielding Issues in Mixed Signal Circuits under Transient Electromagnetic Field Generated by High Power Pulsed Nd:Glass Lasers", which was supervised by Dr. S. V. G. Ravindranath.

**2. Dr. Pradeep Kumar** of Indus Operations, Beam Dynamics & Diagnostics Division (IOBDDD) has been awarded Doctor of Philosophy in Physical Sciences on the dissertation, titled "Studies of Beam Lifetime in Synchrotron Radiation Source INDUS-2", which was supervised by Dr. Pitamber Singh.



### N.6: Superannuations

The family of RRCAT wishes happy and healthy post retirement life to its following colleagues.

**S.1: Shri C.P. Navathe**, Outstanding Scientist & Head, Laser Electronics Support Division (LESDD) and Accelerator Control and Beam Diagnostic Division (ACBDD) superannuated on 31st August 2015 at the age of 60. He was born in Pune, India in 1955. He received his B.E. from University of Pune in 1978 and M.E. from Devi Ahilya Vishwa Vidyalyaya in 1997. He graduated from 22nd batch of BARC Training school. In 1979, he joined Laser Section, Bhabha Atomic Research Centre, Mumbai where he worked on development of electronics for high power lasers and instrumentation for laser produced plasma. He shifted to Laser Program, Raja Ramanna Centre for Advanced Technology, Indore in 1990. He has significantly contributed in design and development of high voltage capacitor bank power supplies and control systems for various high power lasers developed in house. He was instrumental in indigenous development of streak camera. He has many international publications and conference papers in the field of electronics and instrumentation for high power laser. He was a recipient of three DAE Group Achievement awards for excellence in Science and Technology as a Team-leader. We all remember Shri Navathe for his significant contributions and wish him & his family a happy and healthy post retirement life.



**S.2: Dr. Lalit M. Kukreja**, Outstanding Scientist&Head, Laser Materials Processing Division, RRCAT and Senior Professor, Homi Bhabha National Institute laid down his office on August 31, 2015 on superannuation. Dr. Kukreja joined Department of Atomic Energy in 1976 through 20th batch of Training School at Bhabha Atomic Research Centre after completing M.Sc. in Physics from University of Rajasthan with gold medal. He completed Ph.D. on laser processing of polymers from BARC - Bombay University in 1987 under the guidance of Dr. D. D. Bhawalkar, former Director of RRCAT. Since 1993, he was at RRCAT pursuing his research interests in the field of photonic nanomaterials and laser materials processing. He initiated the biennial DAE - BRNS meetings on pulsed laser deposition of thin films and nano-structured materials and served on numerous academic and extra-mural committees of DAE, RRCAT and other organizations. He was awarded with the prestigious Materials Research Society of India (MRSI) medal 2011 in recognition of his significant contributions to the field of Materials Science and Engineering. RRCAT family wishes Dr. Kukreja and his family a happy, healthy and fulfilling retired life.



**S.3: Dr. Lala Abhinandan**, Scientific Officer (H) and Head, Mechanical and Optical Support Section laid down his office on October 31, 2015 on superannuation. Dr. Lala graduated in Chemical Engineering from Institute of Technology at BHU, Varanasi in 1977. Thereafter, he joined 21st batch of BARC Training School. He worked in BARC, Mumbai from 1978 to 1986 with a multi disciplinary research team on a laser based project. He came to RRCAT along with the first group of R&D personnel in 1986 and worked till his superannuation in Oct. 2015. He was awarded Ph. D. in 1999 by IIT, Bombay for his work on Laser Curing of Powder Coatings. Dr. Lala worked on a wide spectrum of R&D problems including development of various lasers and their application, growth of material by Chemical Vapour Deposition, development of mechanical and glass to metal sealed components etc. In 2001, he worked in Fraunhofer Institute for Applied Polymer Science at Potsdam, Germany on a research and study visit under a program run by DAAD. He has been a faculty and M.Tech guide at Homi Bhabha



National Institute and also a research guide recognized by IIT, Jodhpur. RRCAT family wishes Dr. Lala and his family a happy, healthy and fulfilling retired life.

**S.4: Dr. Sanjib Chatterjee**, Scientific Officer (H) and Head, Optics Design and Development Laboratory laid down his office on November 30, 2015 on superannuation. Dr. Chatterjee, B.Tech., Ph.D., joined RRCAT as Scientific Officer (SC) on April 29, 1988. He was responsible for setting up of an Optical Workshop to support the R&D requirements in optics of the Laser Programme. He set up the fabrication facilities and developed the fabrication processes of variety of laser optics like Nd:glass and Nd:YAG laser rods, etalons, quartz plates, glass windows, dye cells, axicons etc. Dr. Chatterjee also developed the metrology required for the testing of the precision laser optics leading to the extensive use of cyclic path interferometer, long trace profiler, Nomarski microscope, Fizeau interferometer for testing large size laser rods and disks etc. Dr. Chatterjee had published more than 50 research papers in international refereed journals. He was the leader of the group, which was awarded the DAE Group Achievement award for the year 2013. Dr. Chatterjee also served as member of Laser Group Board, RRCAT. We all remember his contributions and wish him & his family a fruitful, happy and fulfilling retiring life.



**S.5: Shri Mohan L. Pandiyar**, Scientific Officer (F), retired on superannuation on 31st July, 2015 after serving DAE for 38 years. After completing B.Sc., he joined Technical Physics Division (TPD), BARC on 4th April 1977 and there he worked on mass spectrometer activity. Mr. Pandiyar was transferred to RRCAT on 2nd June 1986 and joined Accelerator Program in Ultra High Vacuum Section. He contributed significantly for development and installation of vacuum systems for Microtron, Booster Synchrotron, Indus-1 and transfer lines. On 28th Oct 2003, he joined RF Systems Division (RFSD) and there he contributed in Electron LINAC vacuum activity, vacuum brazing facility and electron gun development. Mr. Pandiyar had been very sincere and hard-working person and has contributed significantly in DAE. RRCAT family wishes him and his family a fruitful, happy and fulfilling retiring life.



## N.7: आरआरकेट में माह जुलाई, 2015 से दिसंबर, 2015 तक की अवधि के दौरान हिन्दी के प्रचार-प्रसार से संबंधित विभिन्न गतिविधियाँ

राजभाषा नीति कार्यान्वयन के तहत हर माह एक हिन्दी प्रतियोगिता का आयोजन किया जा रहा है। जिसके अंतर्गत माह जुलाई में हिन्दी टिप्पण आलेखन, अगस्त में स्मृति परीक्षण, माह सितंबर में प्रश्नमंच प्रतियोगिता का आयोजन किया गया। 14 सितंबर 2015 को हिन्दी दिवस के उपलक्ष्य में आरआरकेट कार्मिकों हेतु खुली प्रश्नमंच प्रतियोगिता का आयोजन किया गया। जिसमें लगभग 120 प्रतिभागियों ने भाग लिया, जिन्हें प्रश्न का सही जवाब देने पर तुरंत पुरस्कार भी प्रदान किए गए। माह अक्टूबर में आशुभाषण, वाद-विवाद, सुगम-संगीत, काव्य पाठ प्रतियोगिताओं का आयोजन किया गया। माह अक्टूबर में ही हिन्दी प्रतियोगिताओं के परिणाम भी घोषित कर दिए गए। जिसमें प्रथम, द्वितीय, तृतीय एवं सात्वना पुरस्कार विजेताओं के नाम घोषित किए गए। इस अवधि में इस केन्द्र से प्रकाशित होने वाली गृह पत्रिका "प्रगति" के प्रकाशन का कार्य भी शुरू किया गया जिसे माह जनवरी 2016 में प्रकाशित किया जाएगा। जुलाई से दिसंबर की छमाही के दौरान हिन्दीतर भाषियों हेतु दो हिन्दी कार्यशालाओं का आयोजन किया गया जिसमें हिन्दीतर अधिकारियों एवं कर्मचारियों को यूनिकोड, राजभाषा नीति, परमाणु ऊर्जा विभाग की गतिविधियाँ एवं प्रशासन से जुड़े विषयों पर व्याख्यान दिए गए। माह सितंबर में विदेश मंत्रालय, भारत सरकार एवं मध्यप्रदेश सरकार के संयुक्त तत्वावधान में दिनांक 10-12 सितंबर 2015 को भोपाल में विश्व हिन्दी सम्मेलन का आयोजन किया गया जिसका उद्घाटन माननीय श्री नरेन्द्र मोदीजी ने किया। इस अवसर पर माननीय मुख्यमंत्री श्री शिवराजसिंह चौहान ने स्वागत भाषण दिया एवं विदेश मंत्री माननीया सुषमा स्वराज ने विश्व हिन्दी सम्मेलन के बारे में जानकारी दी। धन्यवाद प्रस्ताव विदेश राज्यमंत्री श्री वी.के. सिंह ने दिया। इस समारोह में इस केन्द्र से मनोज कुमार शर्मा, उपनिदेशक (राजभाषा) ने भाग लिया। इस सम्मेलन में परमाणु ऊर्जा विभाग, मुंबई से एम.एन. जोशी, संयुक्त निदेशक (राजभाषा), परमाणु ऊर्जा विभाग, दिल्ली से श्रीमती नीलम गाबा, उपनिदेशक (राजभाषा), बी.ए.आर.सी. से श्री आर.पी. विश्वकर्मा, संयुक्त निदेशक (राजभाषा) एवं परमाणु ऊर्जा विभाग की अन्य इकाईयों से भी प्रतिनिधियों ने इस आयोजन में भाग लिया।

**प्रस्तुति :**  
मनोज कुमार शर्मा, उपनिदेशक (राजभाषा)  
(ई-मेल: [manojsharma@rrcat.gov.in](mailto:manojsharma@rrcat.gov.in))