

among the RRCAT employees.



*Release of fire safety brochure*

A first aid fire-fighting training was conducted at the ground of Atomic Energy Central School (AECS), RRCAT to inculcate the sense of fire safety among the students of AECS. On the same day, a drawing competition on fire safety was also organized in which 407 students took part actively. Thereafter, a talk on Road Safety was conducted for AECS students and staff at MPS Hall of AECS by traffic experts, Miss Anjana Tiwari, (ASP) and Shri Aravind Tiwari, (DSP), Indore Traffic Police.



*First aid training to AECS students*

To promote fire safety, an essay competition (Hindi/English) on topic "Fire prevention is the best insurance" "आग से बचाव ही सबसे अच्छी सुरक्षा" was organized at lecture-hall of Fire & Safety Section, in which 18 employees participated actively. 38 women of RRCAT actively

participated in Fire Quiz Competition organized at RRCAT family welfare-center to inculcate the fire safety awareness followed by Medical First Aid Training conducted by Dr. (Smt.) S.Bhavani . On spot first aid fire-fighting training was also conducted to RRCAT employees in front of Indus-I in which the employees participated enthusiastically.



*Prize distribution by the Chief Guest Shri V. P. Maheshwari, IPS, IG (Indore zone)*

On the day of closing ceremony, Chief Guest Shri V.P.Maheshwari, IPS, IG (Indore Zone) along with other dignitaries and RRCAT employees appreciated Fire Demonstration exhibited by fire staff RRCAT on rescue and fire-fighting techniques at Fire Station Ground while fire emergency in high rise buildings. Various rescue & fire-fighting techniques shown includes descending of casualty from high rise building to ground level by flying fox, rappelling techniques, search & rescue of casualty by means of breathing apparatus set from smoke logged room, application of high expansion foam generator & foam making branch to control oil fire, demonstration of various types of fire branches as short branch, diffuser branch, pistol grip hand control branch, revolving branch and water curtain branch etc. The Chief Guest also distributed prizes for competition winners.

Reported by:  
Ajay Kumar (sto@rrcat.gov.in) and S.M.Jalali

## N.10: Honours and Awards:

### H.1: Best Poster Awards:

The twenty second DAE-BRNS National Laser Symposium (NLS-22), held at Manipal University, Manipal during Jan. 08-11, 2014 selected two papers from RRCAT,

Indore for the Indian Laser Association (ILA) best poster awards. The presenting author of each poster was awarded a cash prize of Rs. 2500/- and a certificate at the concluding session of the Symposium. The details of the poster papers are given below:

1. The paper, titled "Ion acceleration to MeV energy using 10 TW Ti:sapphire laser pulses", M. Tayyab, S. Bagchi, T. Mandal, B. Ramakrishna, J. A. Chakera, P. A. Naik, and P. D. Gupta was from Laser Plasma Division (LPD) of RRCAT.
2. The paper, titled "Development of compact capillary discharge pumped soft x-ray laser at 46.9 nm wavelength", S. Nigam, K. Aneesh, S. Barnwal, Y.B.S.R. Prasad, P. K. Tripathi, J. A. Chakera, C. P. Navathe, P. A. Naik and P. D. Gupta was a joint paper of Laser Plasma Division (LPD) and Laser Engineering Support Division (LESD) of RRCAT.

## H.2: Award of Doctor of Philosophy (Ph.D.) Degrees:

The Homi Bhabha National Institute (HBNI), a Deemed University (accredited by National Assessment and Accreditation Council with 'A' grade) has awarded Ph. D. Degrees to following employees of RRCAT for research work carried out in RRCAT:



**Dr. (Smt.) Beena Jain** of Laser Biomedical Applications & Instrumentation Division (LBAID) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Spectroscopic Studies on Interaction of Silica and Metallic Nano Particles with Dyes of Biomedical Significance", which was supervised by Prof. Shailendra Kumar.



**Dr. Sunil Kumar Jain** of Proton Linac & Superconducting Cavities Division (PLSCD) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Study and Characterization of Electron Cyclotron Resonance Plasma as an Ion Source", which was supervised by Prof. P. A.

Naik.



**Dr. Uday Chakravarty** of Laser Plasma Division (LPD) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Studies of laser energy absorption and x-ray emission in plasmas produced by ultrahigh intensity laser pulses", which was supervised by Prof. P. A. Naik.



**Dr. Sanyasi Rao Bobbili** of Laser Plasma Division (LPD) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Study of laser driven plasma based electron acceleration and bremsstrahlung radiation emission using ultra-high intensity laser pulses", which was supervised by Prof. P. D. Gupta.

## H.3: Devi Ahilya Bai Holker Nari Gaurav Alankaran 2014:



**Smt. Alpana Rajan**, Head, Computer Centre, Computer Division of RRCAT was awarded 'Devi Ahilya Bai Holker Nari Gaurav Alankaran-2014' by Satkar Kala Kendra, Indore, on the occasion of International Women's Day, 8th March 2014, for her contributions in the field of Science and Technology, with special

mention of her contributions in the field of Computer Science. The award has been constituted to recognize contributions made by women for society in various fields. She is the first recipient of the award from RRCAT.

## H.4: Captain of a winning M.P. state team



**Shri Preamsingh G. Patil** of Fire and Safety Section of RRCAT has participated, as captain of M.P. state team, in the 1st Central Zone Ball Badminton Championship, held at Dehradun, June 21-23, 2014. Under his leadership, the M.P. state team secured third place in the tournament. We congratulate him on the success and are proud of him for being the captain of the winning M.P. state team.