

biomedical applications of X-ray fluorescence technique, followed by a visit to Indus synchrotron complex. On the second day, invited presentations were made by Prof. Sanjeev Puri, Prof. Raj Mittal Singla from Panjabi University, Patiala, Prof. N. M. Badiger, Karnatak University, Dharwad, followed by short presentations from different participants of the meet. The meet was concluded with a group discussion session chaired by Dr. G. S. Lodha. The discussion with the participants ended up with few general suggestions. There was a strong demand to form an "X-ray fluorescence spectroscopy users group" that can help to universities users in enhancing the utilization of BL-16 XRF beamline of Indus-2. Also, development of a SR based WDXRF spectrometer on the BL-16 beamline was requested especially for the analysis of ultra-trace elements such as (rare earth elements) under the influence of strong transition elements background. In the same vein, Dr. M. Sudarshan, suggested that UGC-IUC Kolkata Centre can work as a nodal agency for BL-16 micro-focus beamline especially to fulfil the requirements of XRF spectroscopy users of the North-east universities (e.g. Manipur, NEHU, etc.). It was also strongly felt to organize such meeting at regular intervals.

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#### **N.4: Observance of Fire Service Week-2013 at RRCAT**

To inculcate and promote the fire safety awareness among RRCAT employees, students and RRCAT colony residents, Fire Service Week-2013 from 14th April to 20th April was organized by Fire & Safety Section RRCAT. Every year 14th of April is observed as the National Fire Service Day to commemorate the brave firemen who laid their life while fighting with the fire in the 1944 Bombay dock yard. During this week various activities/programme/competitions were organized. On the first day, 14th April 2013, RRCAT employees paid homage to those brave Fire Fighters at Fire Station RRCAT. Chief Guest of the function Dr. S M Oak released a fire safety brochure on this occasion which will definitely serve the purpose of fire safety awareness among the RRCAT employees.

A fire quiz completion for women was conducted at RRCAT Family Welfare Center to inculcate the fire safety awareness. Fire extinguisher operation training was also imparted to women during this program. 25 Nos. women participated in fire quiz. To inculcate the sense of fire safety among the students of Atomic Energy Central School RRCAT, a drawing competition on fire safety was organized. 403 students took part actively in this competition. A fire extinguisher competition for RRCAT employees was organized to enhance the interest and competitive nature

towards fire safety. 24 RRCAT employees participated in this competition. Also, 10 employees participated in Hindi essay competition on fire safety slogan as "आग तो आग है.... दोस्त या दुश्मन, फैसला हमें करना है।"

On the day of closing ceremony of fire service week, a fire demonstration on rescue and fire-fighting techniques while fire emergency in high rise buildings was exhibited by fire staff RRCAT at Fire Station during which various rescue & fire-fighting techniques were shown. It includes - descending of casualty from high rise building to ground level by flying fox technique, 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.



*AECS students and employees participating in Fire Service Week*

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#### **N.5: Women's Day celebrated at RRCAT**

This year it was decided that no usual celebration will be organized on Women's day to show solidarity with all gender biased victims in the society in the wake of nationwide support for the Delhi rape victim. A discussion was arranged on 18th April 2013 on the topic "Safety of Women: causes, precautions and solutions". Three guest speakers along with women employees participated in the discussion. The guest speakers Ms Sonali, and Ms Aalia Tayyabba are faculty members at National Institute for Public Cooperation and Child development, Indore. The third guest speaker Ms Anupa is a social activist working with NGO "Pahal Jan

Sahyog Vikas Sansthan" in the field of women and child welfare.

In a function at the RRCAT auditorium, Ms. Anjee welcomed the guest speakers and introduced them to the gathering. Ms. Anjee gave a brief introduction of the topic describing the need to take up the issue at this juncture, status of women in society, increase in social crime against women and the attitude shown by police and medical professionals. In her presidential address, Dr. Alka Ingale emphasized on the importance of spreading the awareness of the danger and only then safety can be ensured by the way of precautions. First guest speaker Ms. Aaliya Tayyabba gave brief presentation on the activities of their institute. She shared her experience of dealing with holistic development of child and women, women empowerment and gender issues. Next speaker was Ms. Ritu Chavan, She told that in her family, anywhere she needed to go was asked to go with her brother and the trend still follows. According to her it's mother's responsibility to make daughters competent to take care of themselves. At the same time son should be brought up in such a way that he shows respect for women. Ms. Sonali spoke on safety related issues of women, its causes, precautions and solutions. She emphasized on recognising work of housewives. Ms. Swati Choudhary gave a presentation on safety of women, causes, precautions and solutions. Ms. Rinki Dingra said, "There are two different scenarios. On one side girls are progressing, they are working, winning accolades and are successful in all fields. On other side sexual harassment and violence against woman is increasing". She asked whether one should be proud of the first or be ashamed of the later. According to her, it is not yet well realized that women are a work force of nation. Ms. Usha Chakraborty discussed about safety and security of women emphasized on independence and self-assurance of the women to take care of themselves. Ms. Archana Sagdeo explained about steps for safety of women and why it's necessary to take precautions. She felt that the education will lead to equality and will help to change mind set of the society. She presented views of Aparna, Pooja, Dimple, Madhusmita, Priyanka Kamini and herself. One of the speaker Ms. Jagriti Khanwalkar opined that the causes of increasing crime against woman is due to fall in moral values, requirement of instant luxurious life, less patience, slow law and presence of woman everywhere due to equal opportunities but no means of security. She said that at many places there are no street lights, no cameras, non-availability of public transport and lack of infrastructure. Ms Anupa suggested some simple solutions when in danger, woman should develop sixth sense and should always be alert. She gave many examples from her experiences in a very interesting way with gripping narrations and appropriate remarks on the present scenario.

Mementos in form of books for guest speakers are arranged by Ms. Gitika. After the discussion and vote of

thanks, all continued further discussion on the topic during tea. Transport for guests and snack's arrangement was done by ever vigilant Ms. Shryner.

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### N.6: Gold Medal awarded to RRCAT Engineer



*Shri Ashish Bohrey receiving the Gold Medal during the convocation Ceremony held at DAVV Indore*

Shri Ashish Bohrey, SO/F RF System Division has been awarded with an IET Gold Medal on 19th Feb 2013 during the convocation ceremony of Devi Ahilya Vishwa Vidyalaya, Indore by His Excellency Ram Naresh Yadav, Governor of Madhya Pradesh for securing the first position in Masters of Engineering (Electronics Engineering - Digital Communication) Part Time Degree Course.

### N.7: RRCAT family wishes happy and healthy life on superannuation

Shri S K Shukla, SO/H, Head Ultra High Vacuum Technology Division (UHVT) laid down his office on superannuation on 30th June 2013 after a successful career of 34 years in DAE. He joined Mass Spectrometer Section of Technical Physics Division of BARC in 1979 after successful completion of BARC Training School (22nd Batch). In 1986, he moved over to RRCAT and joined the then Magnet Section of Accelerator programme. Later, he was assigned the responsibility to head the Ultra High Vacuum (UHV) Section. Under his able

