

*Investiture Ceremony:* This year, the Co-curricular Committee conducted the Investiture Ceremony in an online mode on 3<sup>rd</sup> September 2021. The various office bearers took their oath from their homes in an online live event and parents proudly pinned up their badges. Various competitions were also conducted in online mode.

*Wild Wisdom Global Challenge 2021 (WWF-India):* 29 Students from classes VI to IX registered for this competition, which aimed at bringing awareness on the wildlife. They took part in the online zonal competition on 23<sup>rd</sup> September 2021. Prarabdh Nagar and Anasuya Ghosh of class VII represented AECS, Indore at the National Level, which was held on 18<sup>th</sup> November 2021.

*Vidyarthi Vigyan Manthan (VVM) 2021-22:* AECS, Indore students participated in VVM 2021-22, organized by Vijnana Bharati (VIBHA) in association with Vigyan Prasara, Department of Science and Technology, Govt. of India and National Council of Educational Research and Training (NCERT), Ministry of Education, Govt. of India held during November-December, 2021. Aditya Tahanguriya, Anasuya Ghosh, Darsh Sahu & Prarabdh Nagar of class VII and Gyanvi Jain & Shubhrika Tiwari of Class IX have been selected for participation in State Level camp, which will be held on 13<sup>th</sup> February, 2022.

*CBSE Term-1 Exams:* The CBSE Term 1 exams were conducted in offline mode from 23<sup>rd</sup> November 2021 to 21<sup>st</sup> December 2021 in the school after a long gap of usual offline exams due to COVID-19 pandemic.

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### **N.11: Activities of internal complaints committee**

Internal complaints committee (ICC) organizes various activities as per their mandate, throughout the year to increase awareness about PoSH act 2013, regarding prevention and redressal of sexual harassment of women at workplace. In this series, ICC organized one special lecture by Shri Jitendra Singh, SP Cyber Crime Cell, Indore, on 25<sup>th</sup> October 2021. The aim of organizing this lecture was to make RRCAT employees (male and female) both scientific and non-scientific make aware of the threats on cyber space and their probable solutions.

The guest speaker Shri Jitendra Singh delivered a talk-cum-interaction session on the topic “Women and cyber security”. During his talk, various types of cyber crimes affecting women at large such as hacking, phishing, identity theft, impersonation, violation of privacy, obscenity, revenge, porn, fake matrimonial sites, etc. were addressed. He also discussed various cases related to misuse of social media for female abuse, as well as precautionary tips to avoid such crimes. He was welcomed by Smt. Arti Shelke, member, ICC and introduced by Dr. K. K. Pant, member, ICC. Dr. Alka A. Ingale, Chairperson, ICC addressed the gathering informing about the mandate of the program by bringing out need of being careful,

when using technology to avoid making it a bane. Smt. Jankee Upadhyay conducted the session in an interesting way with her wit and sharing of the wisdom pearls. A memento was presented to the chief guest by the Chairperson, ICC. Shri Jitendra Singh gave useful tips to avoid/save yourself from such cyber crimes. The session lasted about 1.5 hour, covering various aspects of cyber crimes in general and particularly sexual/mental harassment in cyber space against women, followed by live question-answer session. At the end, the vote of thanks was proposed by Smt. Gitika Khare. More than 200 employees (both men and women) attended and greatly benefited by this talk.



*RRCAT employees attending the lecture by Shri Jitendra Singh, SP Cyber Crime Cell.*

Earlier, this year, a sensitization programme of PoSH Act 2013 was arranged for TASAR and RRCAT Stipendiary Trainees Category I & II on 2<sup>nd</sup> March 2021. The lecture by Ms. Anupa sensitized them about the provisions of the act. In the week starting from 8<sup>th</sup> March 2021. i.e., on the International Women's Day, week long online programme was initiated, which included i) displaying images on RRCAT infonet related to Women's Day, and ii) E-pledge to be taken by RRCAT employees on the occasion of Women's Day regarding upholding of gender equality.

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### **N.12: Public outreach activities as part of “Azadi Ka Amrit Mahotsav” at RRCAT**

The Public Outreach Committee (POC) of RRCAT organizes different outreach events throughout the year. These events are organized primarily for the benefit of school and college students, teachers, social groups as well as for the general public. To achieve the desired objective of public outreach, various activities had been organized at RRCAT during July 2021 to December 2021 under the "Azadi Ka Amrit Mahotsav" initiative of the Government of India for celebrating and commemorating 75 years of independence. A brief summary of major events organized are as given below:

An exhibition cum oral cancer screening camp was organized at Devi Ahilya Bai Holkar International Airport, Indore from 12<sup>th</sup> to 15<sup>th</sup> July 2021. The exhibition showcased a few technologies developed at RRCAT and other DAE units. Around 365 volunteers, including the CISF personnel and airline officials, were screened for oral cancer using OncoDiagnoScope (an oral cancer screening device developed at RRCAT) during the occasion.

Another two-day camp for screening of oral cavity using OncoDiagnoScope was especially organized on 4<sup>th</sup> and 5<sup>th</sup> October 2021 at the RRCAT Convention Centre for the CISF personnel, the RRCAT security staff, and their family members. This camp had active participation of medical professionals, which included several doctors from different hospitals of Indore as well as RRCAT dispensary. In addition, the paramedical staff from Choithram Institute of Paramedical Sciences, Indore also provided voluntary services in conducting the screening. More than 270 persons were screened including 60 contract workers working at various construction sites at RRCAT campus. The team of volunteers from Laser Biomedical Applications Division, RRCAT put in enormous efforts and participated actively for successful organization of the camp.



*Doctor examining the CISF personnel using OncoDiagnoScope during the screening camp.*

A third oral cancer screening camp was organized at Mukki, Kanha National Park on 28<sup>th</sup> November 2021, wherein more than 250 volunteers were screened.

Visit of 15 army officers from Faculty of Decision Sciences, College of Defence Management, Secunderabad and 27 army officers from Army Centre for Electromagnetics (ACE), Mhow, Indore were arranged on 21<sup>st</sup> October 2021 and 30<sup>th</sup> December 2021, respectively. During the visits, different activities were explained to the officers that included INDUS-II, Infrared free electron laser (IRFEL), Linac, Reefer, Laser Biomedical Applications, Laser Additive Manufacturing (LAM) and material processing applications of Industrial Nd:YAG lasers. Live demonstrations were also carried out at some of the laboratories. Director, RRCAT interacted with the army officers and addressed their scientific, technical and administrative queries.



*Officers from Army Centre for Electromagnetics (ACE), Mhow during their visit to IRFEL facility.*

A talk by Dr. M. L. Parihar, Ph. D. (Alternative Medicine) on "Holistic Health Management through Alternative Medical Practices" was organized at Convention Centre, RRCAT on 22<sup>nd</sup> November 2021 for the benefit of RRCAT staff and family members. The talk was attended by about 140 persons and was organized jointly by RRCAT Staff Club and Public Outreach Committee, RRCAT.



*Dr. S. V. Nakhe, Director RRCAT welcoming Dr. M. L. Parihar.*

A webinar by Shri Ram Kishor Gupta, LMPD, RRCAT on "Electrochemical methods of surface modifications and its applications" was arranged on 29<sup>th</sup> September 2021 in a two-day webinar conference on "Recent Research Trends in Chemistry" organized by Department of Chemistry, Govt. Shyam Sundar Agrawal PG College, Sihora, Jabalpur (M.P.). The talk was attended by about 65 PG students and faculty members.

All the COVID-19 pandemic related precautions including use of face mask, social distancing and hand sanitization were observed during the activities. These public outreach events were organized by the Public Outreach Committee, RRCAT under the keen supervision of Dr. S. V. Nakhe, Director, RRCAT. Successful organization of the above reported activities were possible due to wholehearted support of several agencies of RRCAT.

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