

Achievements of the Council under Popularisation of Science Scheme

Chhattisgarh Council of Science and Technology is mandated to communicate Science and Technology to masses, stimulate scientific and technological temper and coordinate and orchestrate such efforts throughout the State. The programmes of the Council aims at building capacity for informed decision making in the community and promote scientific thinking. It is devoted towards societal upliftment through the dissemination of scientific knowledge in an informed manner and builds programmes with the help of different media which percolate down to every nook and corner of the State.

The Science & Technology popularization programs of the Council are designed to disseminate scientific knowledge, create scientific awareness and to develop scientific temper amongst the people and younger generation. The activities of the Council in Science Popularisation are carried out through District Collectors, District Education Officers, District Coordinators, Science Institutes, Universities along with active cooperation of National Council for Science Technology and Communication (NCSTC), DST, GOI and all other relevant Departments.

Some of its important successful initiatives taken by the Council, over the years include the campaigns of the ***Year of Scientific Awareness-2004***, Council was the nodal agency and coordinated various activities in the State throughout the year; Some major activities were preparation and broadcasting of Agnipariksha telifilm on superstition; publication of Jigyasa magazine; distribution of Scientific Books to Schools etc. A prominent programme ***Venus Transit*** an astronomical event with the Council's initiative was viewed by about 1.25 lakhs academicians, government officials and general masses. ***International Year of Astronomy; Appreciating Year of Physics; Year of Mathematics*** are the programmes which were organised with the support of Department of Science and Technology, GoI to create interest in Astronomy, Physics and Mathematics especially among the younger generation and public. ***Celebration of National Science Day-2014***, in this occasion Nobel Laureate: Chemistry, 1988, Prof Dr.h.c.mult Robert Huber, Max-Planck Institute for Biochemistry, Martinsried, Germany was invited as special distinguished Guest. He delivered lecture on '*Structural Biology and its translation into Practice and Business, my Experience*' and interacted with the Researchers and Academicians. Council hosted ***Regional orientation workshop of VII National Teachers Science Congress*** at Raipur, Chhattisgarh, in which 110 participants from eight States Madhya Pradesh, Rajasthan, Gujarat, Chhattisgarh, Daman & Diu, Goa, Maharashtra, Jharkhand participated. Every year ***Children's Science Congress*** provide an opportunity to brilliant young scientists (10 -17 years of age group) to unfold their creativeness and stretch their imagination. This helps to show how they can play useful and productive role for betterment of the society. Almost all Districts every year with more and more schools join this activity. Innovative projects are selected for District congress, State congress and National event. Every year 16 child scientists participate at National

Children Science Congress held from 27th to 31st December and Council sends two delegates to the annual session of the Indian Science Congress also.

Chhattisgarh Young Scientist Congress is organised every year in the State to identify budding scientists and to encourage them for pursuing innovative research and novel ideas. Awardees are given incentive in the form of certificate to recognize his / her research work, Cash prize of Rs. 21,000/- and a Single visit for a maximum of two months duration to any Institute, Research Centre, University or National Laboratory engaged in advanced research in India. Since the inception of the Council, seventeen Young Scientist Congress events have been organised.

Eleven **Science Parks** have been established in the State at Raipur, Narayanpur, Janjgir Champa, Kondagaon, Bilaspur, Raigarh, Mahasamund, Durg, Dhamtari and Balodabazar Districts to create an ecosystem around educational institutions to draw the attention of children to certain themes which have some scientific relevance and closer to their curriculum. The novel feature is that the students are encouraged to operate these self-help models, which lead them to do it themselves and learn the impact of scientific principle. These principles are even applicable in daily life. This takes them away from monotony of books to operational toys and models. School children are highly benefited.

To **Celebrate Space Week** various programmes were organised by the Council through Regional Remote Sensing Centre (RRSC), Nagpur and NRSC / ISRO in Government schools of the State to make students aware about Space Technology and create interest in them. The winning team had the opportunity to participate in the National level competition held on October 2017 at ISRO, Hyderabad. **Regional Orientation Workshop for State Coordinators, State Academic Coordinators and Resource Persons / Evaluators for Central and Eastern Region** under National Children Science Congress-2018 was organised successfully from 31st July to 2nd August 2018 at Raipur, in the workshop six States; West Bengal, Bihar, Jharkhand, Odhisa, Madhya Pradesh and Chhattisgarh actively participated.

Every year February 28, is celebrated as the **National Science Day**. The programme is initiated by the Council to trigger science popularization activities throughout the State and to disseminate scientific education about the current issues of science and technology amongst the citizens of the State. The programme starts around the National Science Day. Various activities like lectures, quiz, debate, exhibition, slide show etc. are organized around a central theme every year. Similarly **National Mathematics Day** is celebrated throughout the State on 22nd December every year to mark the contribution of renowned mathematician Sir Shrinivasa Ramanujan and to develop interest in students towards Mathematics. Various programmes like lectures, debate, quiz contests, group discussions, power point presentations, mathematical exhibitions etc. have been organized in Schools, Colleges and Universities in all Districts under this program.

To stimulate interest in students towards Science some programmes are organised since 2002 through State Council of Educational Research & Training: **Western India Science Fairs** have been organized to stimulate students of VIIIth –XIIth standard to take active interest in different streams of science and to provide a platform to nurture their creativity and innovativeness. Events were organized at Block, District, Zone and State levels and then selected few were sent to participate in the national event. **Science Quiz Competitions** were organized at District, Zone and State level to inculcate competitive spirit among students and help in sharing knowledge from their peer group. Only bright first division students of standard IXth& Xth are eligible to take part in the competition. **National Science Seminar** were organized to inculcate scientific temper amongst school students upto 10th standard, which was sponsored by National Council of Science Museum, Kolkata. Council organizes this seminar every year at Block, District, Zone and State level. **State Level Science Exhibitions** were organised to stimulate students from standard IXth–XIIth to take part in science based exhibition and actively took interest in making working models on themes which were assigned to them and took guidance from their teachers and mentors.

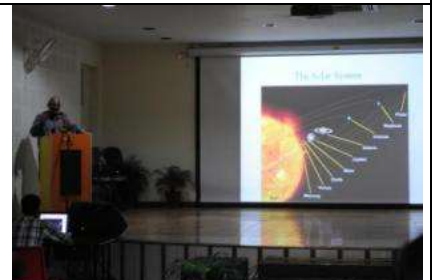
Mathematical Olympiad is organised every year to locate and nurture Mathematical talent among school children of standard 10th to 12th. The elaborated scheme is drawn up by National Board for Higher Mathematics (NBHM). Mathematical Olympiad is organised at three levels: Regional Mathematical Olympiad (RMO), Indian National Mathematical Olympiad (INMO) and International Mathematical Olympiad (IMO). By appearing in these examinations, the students are automatically trained for examinations like IIT and NIT.

Mobile Science Lab is providing lab facility to school students of rural areas of Bilaspur District where lab facilities are not available. Van is equipped with lab instruments related to the subjects of Physics, Chemistry and Biology which are part of school curriculum. Practical facilities were provided to Government High and Higher Secondary Schools through Mobile Science Lab with the help of experts and teachers; Council has obtained portable Planetarium from NCSM, Kolkatta and provided it to Higher Secondary School, Kotmisonar, Dist-Janjgir Champa to create interest in students towards Astro - Science; Council has established 69 **Community Science Clubs & Popular Science Book Corners** in leading Government Schools of the State, with an objective to develop infrastructure for popularization of Science & Technology activities and to develop analytical, creative and innovative capacity of students.

Council is dedicated to spread the message of Science & Technology specially among the younger generation and people of the State and also organises various programmes launched by Department of Science and Technology, GoI and other relevant departments to fulfil its objective.



NATIONAL SCIENCE DAY-2014
February 25, 2014
Lecture by:
Prof. Dr. h. c. mult Robert Huber
Nobel Laureate : Chemistry, 1988
Max-Planck Institute for Biochemistry, Martinsried, Germany
Chhattisgarh Council of Science & Technology
&
Pt. Ravishankar Shukla University





GLIMPSES OF POPULARISATION OF SCIENCE PROGRAMMES