

Samskruti Foundation Our Culture, Our Identity

Newsletter

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Samskruti Samachar

Science, Culture and Leadership



Samskruti Foundation invited educational institutions in Hyderabad to participate in One-day Workshops on National Science Day - Science, Culture and Leadership. workshops were for allowing students and faculty to learn more about these important themes and contribute to their personal growth. One faculty and five students from each institution attended the workshops. Students linked with their college's Cultural Leadership Centre were given priority. Experts led the sessions on a variety of theme-related subjects. Other valueadded events helped the participants build leadership and professional skills. Participants were given a certificate after the program.

Fostering Scientific Temperament

Workshops were also conducted at Cultural Leadership Centres established at Vidyasagar College of Education, Darjeeling, West Bengal, Vivekananda College, Madurai, Tamil Nadu, and Shri Paramhans Shikshan Prashishan Sansthan, Ayodhya, Uttar World Water Day was Pradesh. celebrated on 22nd March Nathdwara Institute of Biotechnology Management, Rajsamand, Rajasthan.

Conducting workshops is a great way to foster scientific temperament. Workshops provide an opportunity for people to learn and engage in hands-on activities related to a specific topic, which can help to cultivate a deeper understanding and appreciation for science. By organizing workshops, scientists, educators, and other experts can share knowledge and expertise with the students, which can inspire curiosity and encourage people to pursue scientific interests. Workshops can cover a range of topics, from basic scientific principles to cutting-edge research, and can be tailored to different age groups and skill levels. In addition to promoting scientific literacy and curiosity, workshops can also help to develop critical thinking skills, problem-solving abilities, and teamwork.



16 colleges had signed up for Samskruti Foundation's Study Tour to Scientific Institutions in Hyderabad. 11 colleges visited 8 scientific institutions on 28th February (covered comprehensively in March Newsletter), while 5 colleges visited on 10th and 16th March. The collaboration inspired youngsters to study science and technology and pursue scientific jobs. Students' response encouraged us to run additional youth-benefitting programmes.





An overview of the experiences shared by the students and the learning they gained from the Study Tours 10th and 16th March 2023

Geological Survey of India



CMR College of Engineering and Technology

Mahaveer Institute of Science and Technology

Learnings:

Field About geographical measurements latest maps; using gadgets; capture drone maps and how to represent drone Latest technology for maps measurements; Improving accuracy of maps using old and new technology; The working process and creating process of geographical maps; How to calculate the GPS using drones; Vertical and horizontal measurement on drone maps; Usage in measuring distance of railway tracks, construction of roads; Satellite, antennae and receivers of data; 3D Maps; Sea level measurements; Google Maps; Geography of landscapes; How drones capture the images; How drones are used in times of disaster; 'The Total Station' measures in any direction; The Stereoscope combines the two separated images together; Different types of rocks and fossils; Fossil of Dinosaur; About archaeological specimens in India; Evolution of dinosaurs; Evolution of marble stone; Water supply; Different types of rocks and minerals in different states of India; Research works on soil testing; Rock origin, formation and structure; The different aspects that come under Geology; How Tectonic plates can create environmental changes; How can we define age of rock and different methods used for it; How we can decide the usage of different rocks; Study of fossils (palaentology); Museum – skeleton of Rhinoceros

Research Centre Imarat - DRDO



Visvesvaraya College of Engineering and Technology

Sree Dattha Institute of Engineering and Science

Sreyas College of Engineering and Technology

Learnings:

What is DRDO and RCI; Major manufacturing components; Experiences of scientists; How DRDO is helping India; About types of missiles, rockets, satellites; Various missiles and technologies; Defence Systems; Defence mechanism of flights and manufacturing components; Role of RCI in Indian defence system; Different types of non-conventional and conventional missiles; Transport of missiles; How many rockets and missiles we developed; Working of missiles; How to protect against enemies' missiles; How to track the enemies missiles; Types of defence planes; Different radars; How to aim targets; Brahmos and it's features; Akash NG, RUDRAM 2, VLSRSAM, PRALAY(surface to surrounding); What way the Airforce, Navy and Army use it; Challenges faced by scientists face to meet the needs of the tri forces.

The study tour to the scientific institutions had very encouraging outcomes, including:

- ✓ Increased knowledge and understanding: Students gained first-hand experience of the research process and the practical applications of scientific concepts. This can help students deepen their understanding of scientific theories and concepts.
- ✓ Exposure to new ideas: By visiting different scientific institutions, students learned about different research areas, technologies, and approaches. This can broaden their horizons and inspire them to explore new areas of research.
- ✓ Networking opportunities: The study tour provided opportunities to meet with scientists, researchers,

- and industry professionals. This can help students establish connections and build relationships that can benefit them in their future careers.
- ✓ Career guidance: The study tour helped the students gain insights into the different career paths available to them in the scientific field. They learned about the skills and qualifications required for various roles and get a better understanding of what it takes to succeed in science.
- ✓ Improved communication skills: The study tours involved presentations, discussions, and group activities. These can help students develop their



- communication skills, including their ability to present ideas and engage in scientific discussions.
- ✓ Enhanced critical thinking: Students developed critical thinking skills by exposure to different research methodologies, data analysis techniques, and scientific debates. This can help them become

more analytical and effective problem-solvers.

Overall, the study tour to scientific institutions was a valuable learning experience for students, providing them with a range of skills and knowledge that can benefit them throughout their academic and professional careers.

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S.No.	Date of Visit	Name of the Institution	Name of the Scientific Institution
1	28-02- 2023	Aurora's Technological and Research Institute	Bharat Electronics Limited
2	28-02- 2023	Vignan's Institute of Management and Technology for Women	Bharat Electronics Limited
3	28-02- 2023	Bharat Institute of Engineering and Technology	Indian Institute of Millets Research
4	28-02- 2023	BVR Institute of Technology	Indian Institute of Millets Research
5	28-02- 2028	Vignana Bharathi Engineering College	Indian Institute of Oilseeds Research
6	28-02- 2023	Vignana Bharathi Institute of Technology	National Institute of Nutrition
7	28-02- 2023	Siddhartha Institute of Technology & Science	National Institute of Nutrition
8	28-02- 2023	Malla Reddy Institute of Engineering & Technology	Nuclear Fuel Complex
9	28-02- 2023	Malla Reddy Engineering College	Nuclear Fuel Complex
10	28-02- 2023	SP College	Survey of India
11	28-02- 2023	Vivekananda Govt. Degree College	Survey of India
12	10-03- 2023	CMR College of Engineering and Technology	Geological Survey of India
13	10-03- 2023	Mahaveer Institute of Science and Technology	Geological Survey of India
14	16-03- 2023	Visvesvaraya College of Engineering and Technology	Research Centre Imarat - DRDO
15	16-03- 2023	Sree Dattha Institute of Engineering and Science	Research Centre Imarat - DRDO
16	16-03- 2023	Sreyas College of Engineering & Technology	Research Centre Imarat - DRDO

Feedback

Student Speak

- Very useful and great innovations using new technology
- Very enriching experience
- Well coordinated without any obstacles
- Inspired to take up jobs in the Airforce, Army and Navy
- Learned how to apply for internships and Apprenticeships
- Thankful to Samskruti Foundation for providing such a motivating study tour

SF Coordinators Speak

- Students have shown keen interest. Have asked questions on how the different types of equipment work.
- Overall great experience for the students to understand about the Scientific Institutions
- Students were happy with the logistics provided (water bottles, lunch and bus)
- College students were very disciplined, enthusiastic and supportive
- Faculty were keen and enthusiastic and coordinated the event well
- The contact persons at the Scientific Institutions were very cooperative. They warmly welcomed the students and explained about the institutions lucidly.





National Science Day - Science, Culture and Leadership

Celebrating National Science Day and conducting workshops on Science, Culture and Leadership, are significant to demonstrate the importance of developing a scientific temperament, taking pride in our cultural heritage, and using this knowledge to lead a life of personal excellence that benefits society and our nation. Science and technology have advanced mankind and made life easier. Artificial intelligence and machine learning have accelerated scientific and technological developments, giving the people more power. Power comes with responsibility, so we need to use it wisely. Indian

spirituality seeks peace with nature and minimises animal suffering. It encourages sustainable use of natural resources rather than exploiting the nature. Unfortunately, the mindless pursuit of technological expansions has put mankind at risk of global warming, species extinction, and chronic health hazards. We are the most comfortable generation, but not the happiest. This nation's ideals and Jeevan Darshan are under siege now. The young must practise and pass on these everlasting qualities of science, spirituality, and culture to future generations. Our values and culture depend on young leadership in this effort.

Samskruti Foundation

CULTURAL LEADERSHIP CENTRE

IN COLLABORATION WITH
MISHRA DHATU NIGHAM LIMITED (MIDHAN)

WORKSHOP ON-PATIONAL SCIENCE (QUITURE & LEA ON 18TH MARCH 2023, SATURDAY AT 09:00 AM VENUE: CENTRE FOR CULTURAL RESOURCES & TRAINING (CCRT), HI-TECH CITY

SESSION – 1 INAUGURAL SESSION (09:30 AM TO 11:00 AM)

DEEPA PRAJWALANA
INTRODUCTION OF THE WORKSHOP
INTRODUCTION OF SAMSKRUTI FOUNDATION
CLC CONCEPT

SESSION - 2 EXPERT SPEECH (11:00 AM TO 01:00 PM)

SPEAKER 1: DR. SIRISHA KASINADHUNI

Centre for Cultural Resources and Training (CCRT), Hyderabad 18th March 2023

Sri T Rambabu, Convener, Samskruti Foundation, gave the welcome speech and introduced the guests on dais. Dr. Vivek Modi spoke on the significance of Cultural Leadership Centres. Smt. Sampada welcomed the guests on dais. Chief Guests, Dr. Sirisha Kasinadhuni and Col. Praveen spoke on the relevance of the workshop. Panel Discussion on Science, Culture and Leadership was moderated by Sri Gudla Natraj. The panelists included Dr. Sirisha Kasinadhuni, Col Praveen, Sri Ksheersagar, and Sri Sudheer Babu. The session included questions and answers. The breakout sessions were coordinated as - North Zone: Shri Madhukar, Shri Balu Nagraj, Shri Sudheer Babu / West Zone: Shri Murali Krishna, Shri Deshmukh, Shri Ajay, Shri U Venugopal / South Zone: Shri Shetty Mahesh, Shri Vinay Goud, Shri Abhishek Sharma / East Zone: Ms. Anupama Shah, Ms. Suhasini, Ms. Prashanthi / Central Zone: Dr. Vijay Kumar, Smt. Sampada, Shri P V Raghavendra





Workshop at CCRT – 19th March 2023

Sri T Rambabu emphasized on the qualities of leadership to be integrated with environmental consciousness among the students so that they can be leaders in their immediate surroundings for clean & green environment.

Dr. C Umamaheswara Rao chanted the Sloka -

brahmānandam paramasukhadam kevalam jñānamūrtim dvandvātītam gaganasadrisham tattvamasyādilakshyam / ekam nityam vimalamachalam sarvadhīsākshibhūtam bhāvātītam triguņarahitam sadgurum tam namāmi //

Dr. Rao clarified the doubts and concerns of students, during the Question-Answer session. He stressed on the need for faith based activities. All rituals have scientific grounds. He hailed the song "Natu Natu" being given the Oscar Award, an achievement supported by science, culture and leadership. The song has rustic lyrics which depict the folklores of India. The dances and filmography are scientifically and technologically backed. These have helped the song to be given a leadership position in the world. Without getting into unproductive debates on faith, we must adopt the best practices that are of great use to society. There are thousands of livelihoods which are based on supplying flowers, milk and other Pooja materials to temples. Instead of criticising the customs, we should feel proud that thousands of families are getting livelihoods. We need to think logically and seek solutions, such as making such wastage biodegradable. We should feel proud that we are Hindu. Our culture honours even our enemies. India is known for its rich diversity of culture. We should take pride in singing the greatness of our religion and culture. So many civilizations such as Mesopotamia and Sumeria, have died away. But our Indian civilization stands still. Speaking on brain drain in India, Dr. Rao quoted the New Education Policy (NEP) 2020 which makes vocational education compulsory at school level. We need to equip our youth with skills that will make them employable. He also called for Indians to resist forceful religious conversions and to be alert on all counts. "Absolute freedom without responsibility and accountability leads to anarchy", he quoted.



Sri Udutha Venugopal spoke on the several leadership programs conducted by Samskruti Foundation. He urged the youth to take part in such constructive programs for the well being of society.







DEEPA PRAJWALANA

- 2 EXPERT SPEECH (11:30 AM TO 01:00 PM) EAKER II DR. V.M. TIWARI

PROF. S.S.V.N. SHARMA LUNCH (01:00 PM TO 01:45 PM

HIGH TEA (03:00 PM TO 03:30 PM)

Workshop at CKM Arts & Science College, Warangal – 25th March 2023

Dr. V M Tiwari, former Director, NGRI and Prof. SSVN Sharma, Director, Vaagdevi College of Engineering, Warangal, were the Chief Guests. Ms. B Annapurna welcomed the honorable guests to the dais. The program was compered by Sri Udutha Venugopal. The different aspects and significance of Science, Culture and Leadership were discussed. The expert speakers answered the questions raised by the students.











Other Workshops

Vidyasagar College of Education, Rupandighi, Phansidewa, Darjeeling, organized a cultural program and Inter college/School Drawing and Quiz competition on 17th March 2023 in collaboration with Samskruti Foundation to celebrate "Azadi Ka Amrit Mahotsav". The objectives of organizing the whole day activities were:

- To develop Scientific temper and entrepreneurship in students.
- To build young leaders who will preserve, protect and practice the Bhartiya Culture and Ethos through education, research, communication and awareness.
- To promote leadership quality through Be Good-Do Good activities.
- To promote and enhance students understanding of, and aptitude for, science and technology.
- To strengthen science education.
- To learn to organize various educational out-of-college activities to foster a spirit of scientific enquiry and creativity among the students.

- To help students in their personality development.
- To help students in exploring the overall well-being.
- To promote physical and psychological wellbeing.

Fifteen institutions from Darjeeling district of West Bengal were invited to this event. Teacher trainees from Vidyasagar College Education performed wonderful cultural activities. The theme of the competition Quiz Drawing and competition was "Science and Culture". The teacher trainees of the institution welcomed the guests with a welcome song and folk dances to celebrate cultural diversity of India. Dr. Savita Mishra, Principal of the College, and SF Resource Person, East Zone, addressed the audience describing the purpose to organize this event in collaboration with Samskruti Foundation. Mr. Paritosh Mahato, Asst. Prof. and Mr. Sandip Kumar Sen, Asst. Prof., Vidyasagar College of Education

conducted and drawing quiz respectively. In competitions Quiz competition, Siliguri B.Ed. College students bagged the 1st prize. In drawing competition, the first prize was won by Uttam Thapa of Vidyasagar College of Education. The program was successful because of the involvement of all the teaching and non-teaching staff, teachertrainees of the institution and cooperation of all invited institutions' faculty and participants.











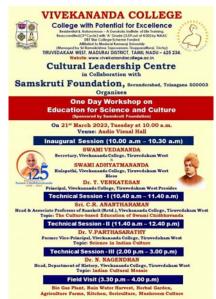






The Cultural Leadership Centre of **Vivekananda** College, Tiruvedakam West, Madurai Dist., Tamil Nadu, organized a one-day workshop on Education for Science and Culture on 21st March 2023 in collaboration with Samskruti Foundation. There were 164 participants from 15 colleges in and around Madurai District. Coordinator, Dr. A. Satheesh Babu, gave the welcome address. Blessings were given to the attendees by Vivekananda College's Secretary, Srimath Swami Vedananda, and Kulapati Srimath Swami Adhyamananda. The workshop's opening session was presided over by Dr. T. Venkatesan, who also gave the keynote address. In the first part of the workshop, Sri C.R. Anantharaman, former Head and Associate Professor of Sanskrit, spoke on "Culture-based Education of Swami Chidbhavananda." Sri C.R. Anantharaman spoke "How Gurukula System was introduced in Vivekananda College by Founder Swami Chidbhavananda". İn his remarks, he emphasised the need for a value-based education that nourishes a whole person by developing his or her mind, heart, and body to the full potential. In the second session, Parthasarathy, former Vice Principal and Associate Professor of Zoology, spoke on "Science in Indian Culture."

Dr. V. Parthasarathy said during his talk that the many cultures of the globe are drawn to Indian traditions because of the richness of Indian culture. Since ancient times, Indians have adhered to their traditions, which include a deep understanding of science. Over the decades, Indian households have combined scientific practise with many rites and customs. Professor Dr. N. Nagendran,



Head of the History Department, spoke on "Indian Cultural Mosaic" in the afternoon session after lunch. In his talk, Professor N. Nagendran remarked that the practice of trying to understand India's diverse culture dates back to centuries. It would be inaccurate to generalise about Indian culture as a whole because of the wide variations within the country along

geographical, agro-climatic, economic, linguistic, and ethnic lines. He also provided an example of how the various Îndian states differ culturally. India, he said, has the unity in diversity to become a global leader. Dr.T.Venkatesan, Principal of Vivekananda College, presented Certificates to the faculty and students who had attended the workshop. The workshop was coordinated by Assistant Professor of Chemistry Sri Dharmanandam. Dr. M. Arulmaran. Assistant Professor of Economics, proposed the vote of thanks. The organizing members of the workshop were Dr. K Kartikeyan, Vice Principal of the College, Dr. G Sanjeevi, Dean and Controller of the College, Dr. A Satheesh Babu, and Dr. M Arulmaran. National Anthem was played after the session concluded. The participants were taken to a field trip across the campus of Vivekananda College. Participants were impressed by the mushroom farms, fish ponds, earthworm farms, sericulture operations, and rainwater collecting pond that students of Vivekananda College had set up as part of the Earn While You Learn programme.

The key outcomes of the workshop -

Knowing the values of Indian tradition, ancient Science innovations, personal skill development, character building, life training, physical culture, devotion to duty, obedience to teachers and elders, hospitality to guests, zest for life, love for the nation, and humility and faith in God.









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Shri Paramhans Shikshan Prashishan Sansthan, Ayodhya, Uttar Pradesh, organized a Workshop on $o\tilde{n}$ 20th Culture Science and March Prof. Vikrama Prasad Pandey (Narendra Dev University of Agriculture and Technology, Kumarganj Ayodhya) was the Chief Guest. He said "Science is necessary for the progress of the country, but we should not forget our culture." Highlighting the glorious history of Indian culture, he said that customs in our culture have scientific basis. Dr. Akhileshwar Choubey, Assistant Professor, Dr. Ram Prasanna Maniram Singh College, Sarairasi, Ayodhya also presented his views. Dr. D P Singh (Gangarathi Teaching and



Training Institute, Ayodhya) spoke on integrating culture and science in life. Principal Dr. Sunil Kumar Tiwari expressed his views on the rapidly growing western culture, influenced by globalization. Indian ancient literature has possibilities of very innovative inventions of science which need to be duly acknowledged and documented; This is possible only when we move forward taking pride in our cultural heritage because one form of science is development but the other aspect of science is also destruction. And this destruction can be stopped only when we stay close to our culture and connect with science. A total of 220 students and 26 faculties participated in the workshop.



Nathdwara Institute of Biotechnology and Management, Rajsamand, Rajasthan, in collaboration with Samskruti Foundation, celebrated World Water Day on 22nd March 2023. The theme was "Water Conservation and Use of Non-Plastic Shri Dinesh Shrimali, President of Water Conservation Department and Social Worker, was the Chief Guest. He spoke on purification of the Ganga River, and advised the participants on several water conservation methods. He administered the Oath of Water Conservation to the students and faculty. 205 students and faculty participated from four colleges (Nathdwara Private ITI, Shrinathji Institute of Technology and Engineering, The Ankur B.Ed. College, and NIBM).

From the Chairman's Desk



Dr. C. Umamaheswara Rao IAS (Retd.)

To celebrate National Science Day, workshops were organized on the theme of "Science, Culture, and Leadership". These workshops were conducted to discuss the role of science in shaping culture and leadership and to highlight the contributions of science to society. It was heart-warming to see students and faculty participate in such thought provoking workshops. The impact of science on culture and society, its role in leadership, the importance of science education and science innovations for the progressive good of society were discussed. The panel discussions, presentations, and interactive sessions engaged the participants in meaningful discussions. Participants gained a deeper understanding of the role of science in shaping culture and leadership. More such workshops can help to promote scientific thinking, foster leadership skills, and encourage a culture of innovation in society.

The study tours to Scientific Institutions provided opportunities for students to network and interact with scientists and researchers, which can help them build connections and gain insights into various career paths in the field. This can be particularly valuable for students

who are considering pursuing careers in scientific research or related fields. Overall, the study tours were an enriching experience for students, helping them develop skills and knowledge that can benefit them throughout their academic and professional careers. I thank our sponsor, MIDHANI, the Institutional Heads, and the coordinators who have permitted such fruitful interactions with the students. The study tour exposed the students to different scientific disciplines and research areas, broadening their knowledge and interests in the field. They learnt about the latest advances and breakthroughs in different areas of science, inspiring them to pursue further studies and opt for related careers.

Samskruti Foundation

Samskruti Foundation is a registered trust consisting of prominent and accomplished senior civil servants, professionals and corporate citizens. It is constituted under section 4 of Indian Trust Act 1882 with registration no. 000124/2009. It has been striving towards promoting Nation Building activities among the youth of the society in Telangana and across India.

Our Vision – To be National Resource Center for Culture

Our Mission - To preserve, protect and encourage practice of the Bharateeya Culture and Ethos through research, education, training and Dialogue

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