

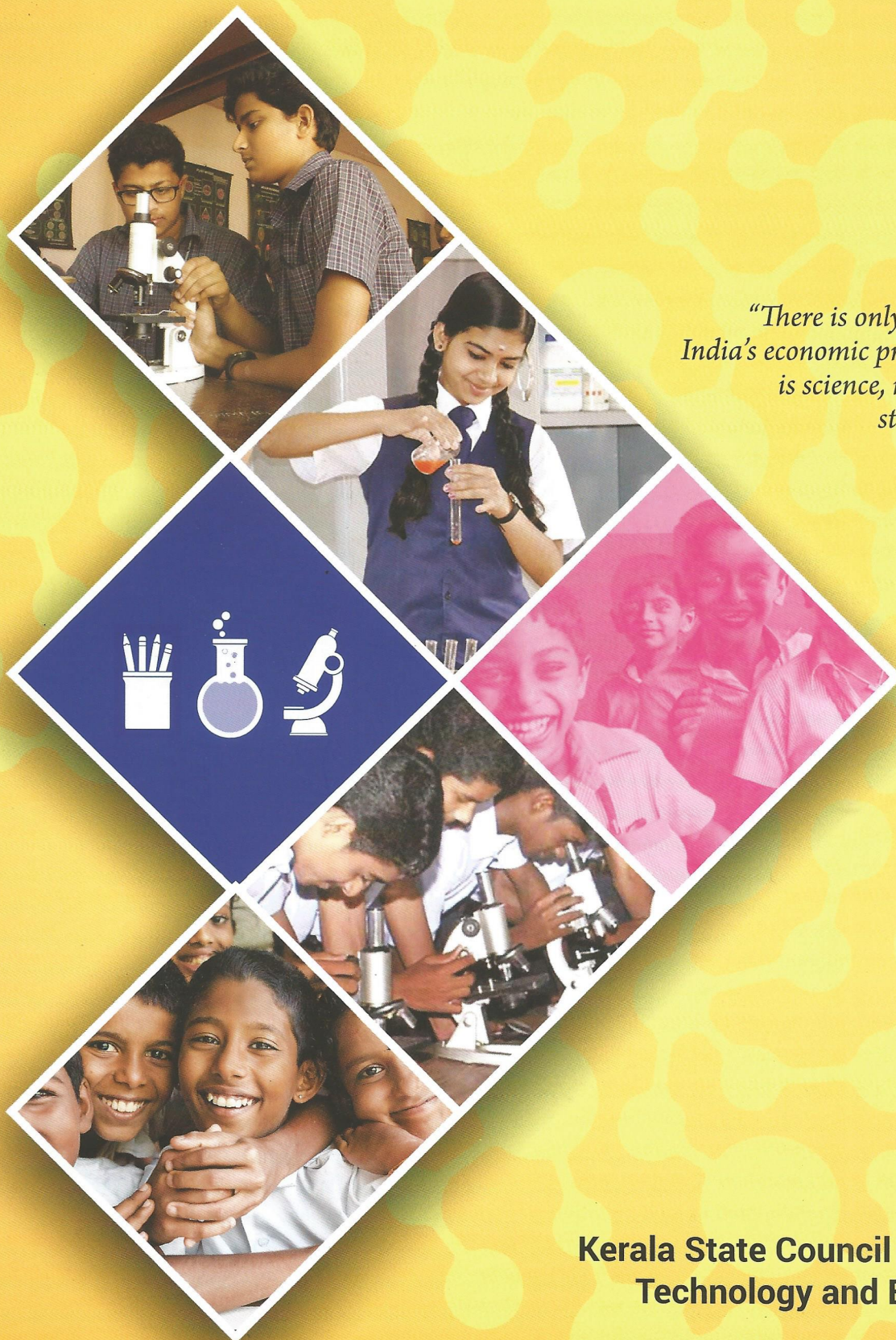
SASTRAPOSHINI

Enriching science learning at schools



*"There is only one solution for
India's economic problems and that
is science, more science and
still more science."*

Dr. C. V. Raman



**Kerala State Council for Science,
Technology and Environment**



about the programme

Knowledge in science is essentially achieved through cumulative experience of knowing by doing it.

The advancement in science and technology we see today, are the fruits of the hardwork by brilliant and dedicated scientists and researchers. Most of them developed their passion towards science as soon as they performed their first experiment in the lab at school. To create more enthusiasm, innovativeness and free thinking in the young minds, the students have to get involved in real laboratory situations with proper guidance.

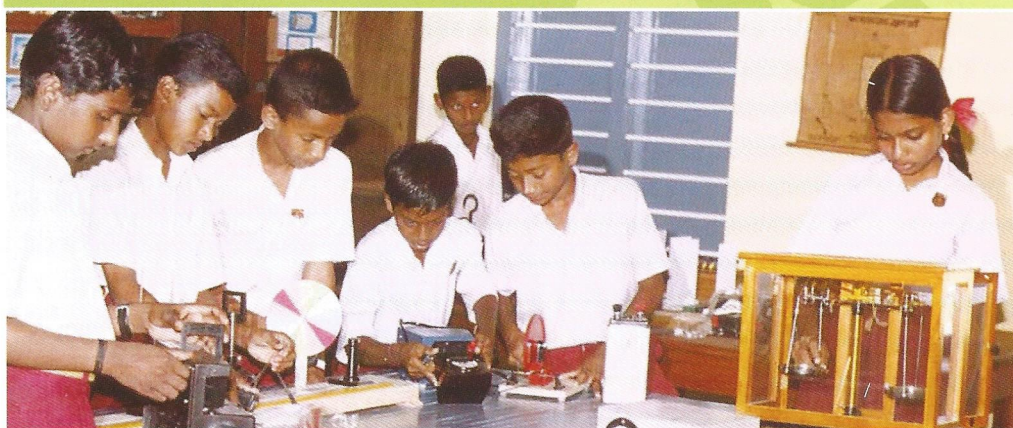
VISION

To prepare students to be inquisitive, innovative and freethinking, enabling them to become brilliant scientists

MISSION

To provide better scientific infrastructure in schools for grass-root level learning

Sastraposhini is a programme envisaged by the Kerala State Council for Science, Technology and Environment (KSCSTE), for strengthening science education in schools of Kerala. Under the programme, model science laboratories are established in selected schools of the State to provide a better learning environment.



Objectives

- Stimulate interest in experimental science
- Provide an opportunity for self learning
- Encourage novel science projects from students
- Provide advanced training to teachers to cope up with latest teaching skills using laboratory experiments
- Design low cost laboratory kits



Modus operandi

APEX RESOURCE GROUP

- Constituted by KSCSTE to monitor the implementation of the Sastraposhini Scheme
- Consists of subject experts/academicians/nominees from DPI
- Selects the schools to establish Sastraposhini laboratories

MONITORING COMMITTEE

- Consists of expert members from different subject areas constituted by KSCSTE
- Evaluates the status of established laboratories
- Guides the faculty to initiate steps for the smooth functioning of the laboratories

MANAGEMENT COMMITTEE

- Consists of Principal/HM, science teachers, students, representatives of PTA constituted at school level
- Co-ordinate the day today functioning of each laboratory

SELECTION OF SCHOOLS

- Applications are invited every year
- Apex Resource Group selects the schools based on recommendations by Monitoring Committee
- Principals/HM of the selected schools are invited to create awareness, essential for the fruitful implementation of the programme

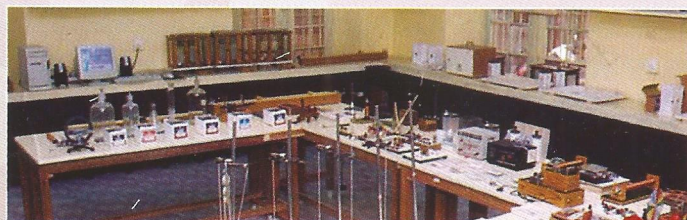
TRAINING PROGRAMME FOR TEACHERS

- Two teachers each in Physics, Chemistry and Biology are invited to participate in a training programme
- Scientists/academicians offer classes on creating science awareness, good laboratory practices, setting up of laboratories and practical demonstrations
- Teachers will be encouraged to carry out innovative projects in science education for children
- Student teacher manuals and the visual experimental aids and models are provided to the selected schools



SETTING UP OF LABORATORIES

- Apex Resource Group selects the laboratory items to be supplied based on the school curriculum
- Supply is directly made to the schools by the agencies selected by the Council through open tender process
- Separate rooms are allocated for each laboratory and an initial grant is released for refurbishing the rooms
- Trained teachers will be in charge of each laboratory



Inception

The programme was launched by the Council in association with the State Education Department in the year 2003.



Unique features

- Promotes investigative and project oriented learning skills
- Inculcates innovation, critical thinking, problem solving and analytical expertise
- Develops curiosity, confidence and reasoning abilities
- Develops separate study circles among students
- Students from nearby schools can visit the model laboratories
- Possibility of networking among Sastraposhini laboratories of different schools

Government has successfully implemented the scheme in 161 High Schools of the State till 2015

CONTACT DETAILS

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ശാസ്ത്രപോഷിണി പദ്ധതി ഉദ്ഘാടനം രണ്ടിന്

തിരുവനന്തപുരം: വിവിധ വിദ്യാഭ്യാസ കമ്മീഷനുകളുടെ മേൽ നിയന്ത്രണമുള്ളതും വിവിധ ശാസ്ത്രപോഷിണി പദ്ധതികൾ സംസ്ഥാനത്ത് നടപ്പിലാക്കുന്നതിനായി കേരളാ സംസ്ഥാന ശാസ്ത്രപോഷിണി പദ്ധതി ഉദ്ഘാടനം രണ്ടിന് ഉദ്ഘാടനം നടന്നു. തിരുവനന്തപുരം സർവ്വകലാശാലയിലെ സാസ്ത്രപോഷിണി പദ്ധതി ഉദ്ഘാടനം രണ്ടിന് ഉദ്ഘാടനം നടന്നു. തിരുവനന്തപുരം സർവ്വകലാശാലയിലെ സാസ്ത്രപോഷിണി പദ്ധതി ഉദ്ഘാടനം രണ്ടിന് ഉദ്ഘാടനം നടന്നു.

The New Indian Express

Sastraposhini programme
Thiruvananthapuram, Sept 29: The Sastraposhini programme of the Kerala State Council for Science, Technology and Environment, which envisages setting up of model science laboratories in selected schools across the State, would be launched on October 2. Council director R.S.K. Rishanth held reporters here today that Chief Minister A.K. Antony would formally inaugurate the programme at a function to be held at the Government Model Boys High School here on October 2. Education Minister Nalakhath Soopy would inaugurate the first model science laboratory at the school on the occasion. Council vice-president M.S. Val-

THE HINDU

Path-breaking initiative in science
By L. Ajith Kumar
THIRUVANANTHAPURAM, SEPT. 29: In what is considered a path-breaking initiative in science education, the Kerala State Council for Science, Technology and Environment (KSCSTE) is launching an ambitious scheme in the State on October 2, Gandhi Jayanti day. The project, 'Sastraposhini', seeks to further strengthen the base of science education in the schools in Kerala, informed R.S. Rishanth, the Director of KSCSTE. The objective of the scheme is to stimulate interest in studying science at the school level by equipping students in physics, chemistry and biology, to provide hands-on experiences to students for observation, inference, interaction and self-learning of tests and to organize training programmes for teachers for demonstrating scientific experiments.

ശാസ്ത്രപോഷിണി പദ്ധതിക്ക് ഗാനസിജ്ഞയിൽ ദിനത്തിൽ തുടക്കം

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Glimpse of Laboratories

