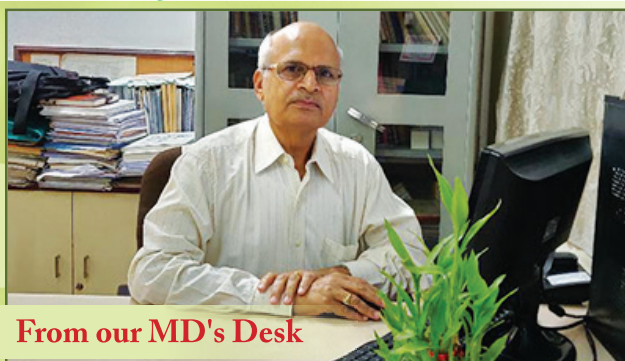


SOJOURN INTO CSR INTERVENTIONS



From our MD's Desk

Dear Friends and Readers,

Centre for Symbiosis of Technology, Environment and Management (STEM), Bengaluru a Premier Society, registered under the Karnataka Societies Registration Act, 1960. During the last 32 years of the purposeful journey, STEM has completed a wide spectrum of multi sectoral and cross functional assignments. This STEM REPORTER presents the highlights of recent experience of STEM with the corporate companies in undertaking Interventions on CORPORATE SOCIAL RESPONSIBILITY (CSR).

Season's Greetings from STEM

Your's truly



V.M. Hegde

**TOYOTA KIRLOSKAR MOTORS PVT. LTD.,
(TKM), BIDADI, KARNATAKA**

Three Projects were taken up

1. Rejuvenation of Water Bodies

A lake is an important feature of the Earth's land scape. It is not only a significant source of precious water, but often provide valuable habitats to plants, birds and influence microclimate, enhance the aesthetic beauty of land scape.

STEM started its professional association with TKM in 2016, for rejuvenation and overall development of Abbanakuppe Lake in Bidadi, Ramanagara district, Karnataka.

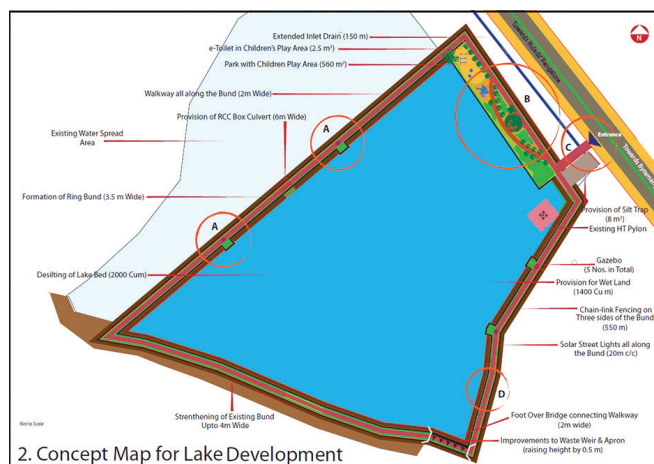
Initially STEM Team carried out detailed surveys and investigations to assess the requirements for the lake rejuvenation and prepared the Detailed Project Report (DPR) for taking up the restoration of the lake project. The restoration work was taken up in two phases.

Before



Phase I focussed on the CORE COMPONENTS of lake Rejuvenation {viz. a) Bund strengthening; b) Desilting; c) Inlet/Outlet improvement; d) Boundary fencing, e) Wet land etc.}. During the Phase II, the NON-CORE COMPONENTS were taken up {viz. a) Walkways; b) Immersion tank; c) Children play area; d) Hard scaping & Soft scaping, etc.}. The project activities completed in May 2019.

Interventions

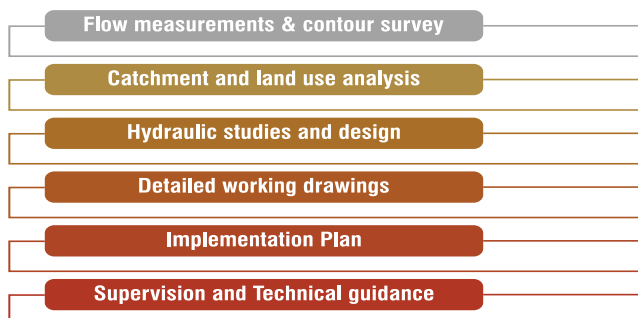


2. Concept Map for Lake Development

After



STEM Role as Project Management Consultant



STEM's PROFESSIONAL STRENGTH

Environmental Experts; Urban Engineers; Hydro-geologists; Forestry & Bio-diversity Experts.

STEM has also prepared DPRs for 16 lakes in Bangalore for BBMP

2. Technical Support for Implementation of Green-Me Project

GREEN-ME is a school based CSR intervention of TKM to enhance awareness and understanding, of FOUR ENVIRONMENT THEMES, among the school children and teachers.

Water Usage & Conservation



Solid Waste Management



Bio-diversity



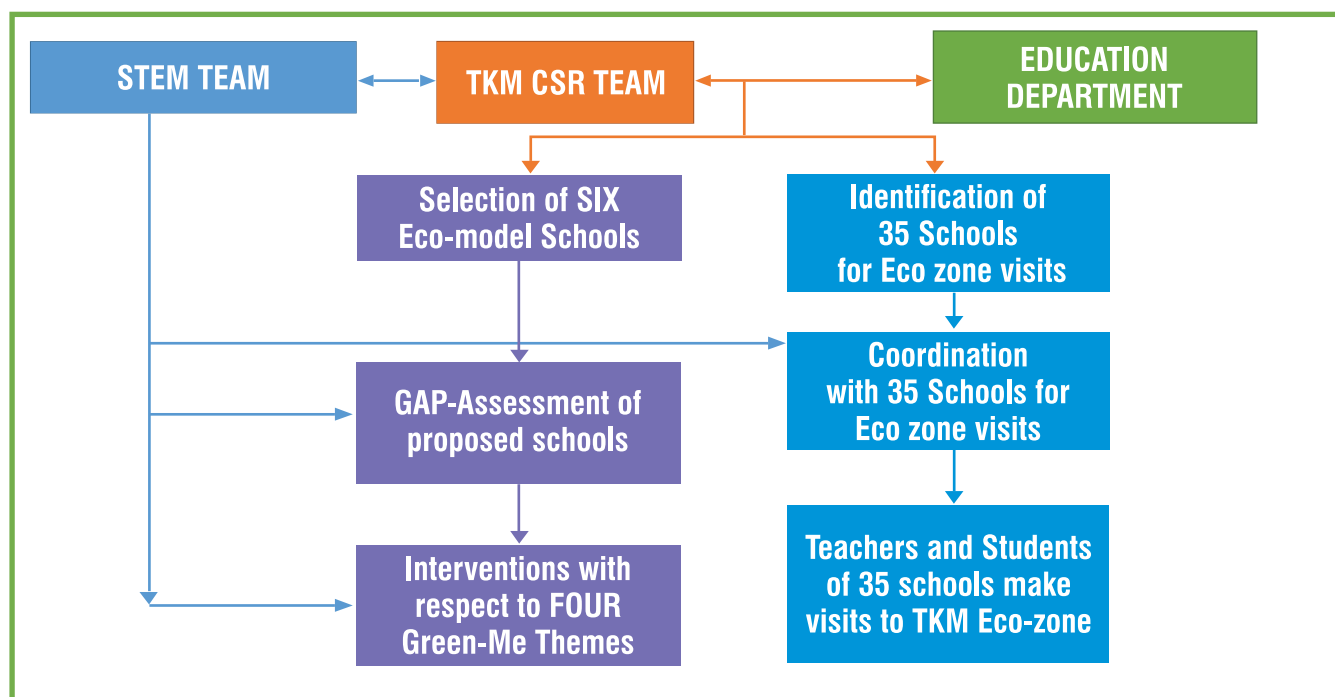
Energy usage & Conservation



STEM team will be providing TECHNICAL handholding support to the SIX ECO-MODEL schools in implementation and monitoring of selected interventions in the respective schools.

Subsequently it is envisaged that the children of these eco-model schools play a role of catalysts at home, friends and the school based interventions will be scaled up to community level interventions.

Thematic Sketch of Green-Me Interventions



STEM's PROFESSIONAL STRENGTH

Capacity Building experts; IEC; Specialists sociologists; Environmental experts; Urban engineers

3. Comprehensive Environment Assessment for Ramanagara district

As a part of TKM's CSR mandate, over the last two decades, they have been undertaking several environmental initiatives for community and social benefits. But now, TKM intends to understand the potential gaps in various environmental parameters across the entire Ramanagara district to be able to prioritize on critical aspects and be able to take up the future initiatives in a planned manner in the coming years.

In order to help TKM to meet these objectives, STEM has undertaken a Comprehensive Environmental Assessment (CEA) study of Ramanagara district. The study covered all six urban local bodies (ULBs) and a representative sample of 106 villages. An App based questionnaire was used to collect data from 1402 households and 119 schools. From each of the sample ULBs and villages, other stakeholders viz. hospitals, hotel, industries, offices, market places were also surveyed. In-depth interviews with all the important Government departments' officials and Focus Group Discussions (FGD) with the community representatives provided valuable insights to the concerns regarding the environmental issues in the district.

A 'Community Perception-Impact on Environment' matrix was developed. Accordingly STEM has suggested priority interventions for consideration of TKM to be taken up over a period 2019-2025.

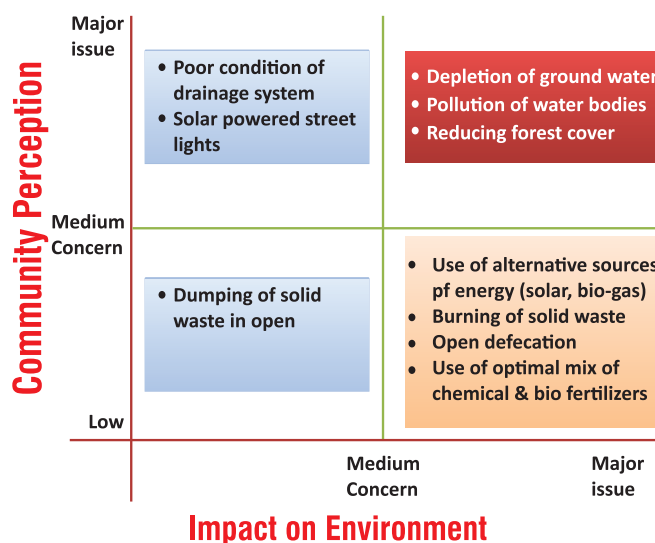


Binnamangala Lake prioritised for restoration

STEM's PROFESSIONAL STRENGTH

M& E experts; Environmental Engineers; Civil Engineers; Specialists in sociology, watershed

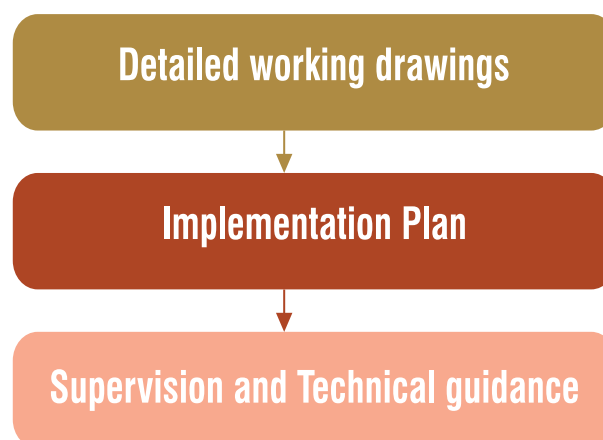
Priority Environmental Needs



TITAN COMPANY LIMITED, ELECTRONIC CITY, BENGALURU

Veerasandra Lake in Electronic City, Bengaluru was adopted by M/s BMRCL and the DPR got prepared by them. The rejuvenation of the lake has been taken up by M/s TITAN Limited. The DPR was reviewed by STEM Team and necessary updating, taking in to consideration of the alignment of metro and other factors, was carried out. STEM is associated as - Project Management consultant for the rejuvenation of this lake.

As a Project Management Consultant (PMC) STEM's role includes:



Phase 1 of the Project covering the CORE COMPONENTS is scheduled to be completed by July 2019 (7 months).

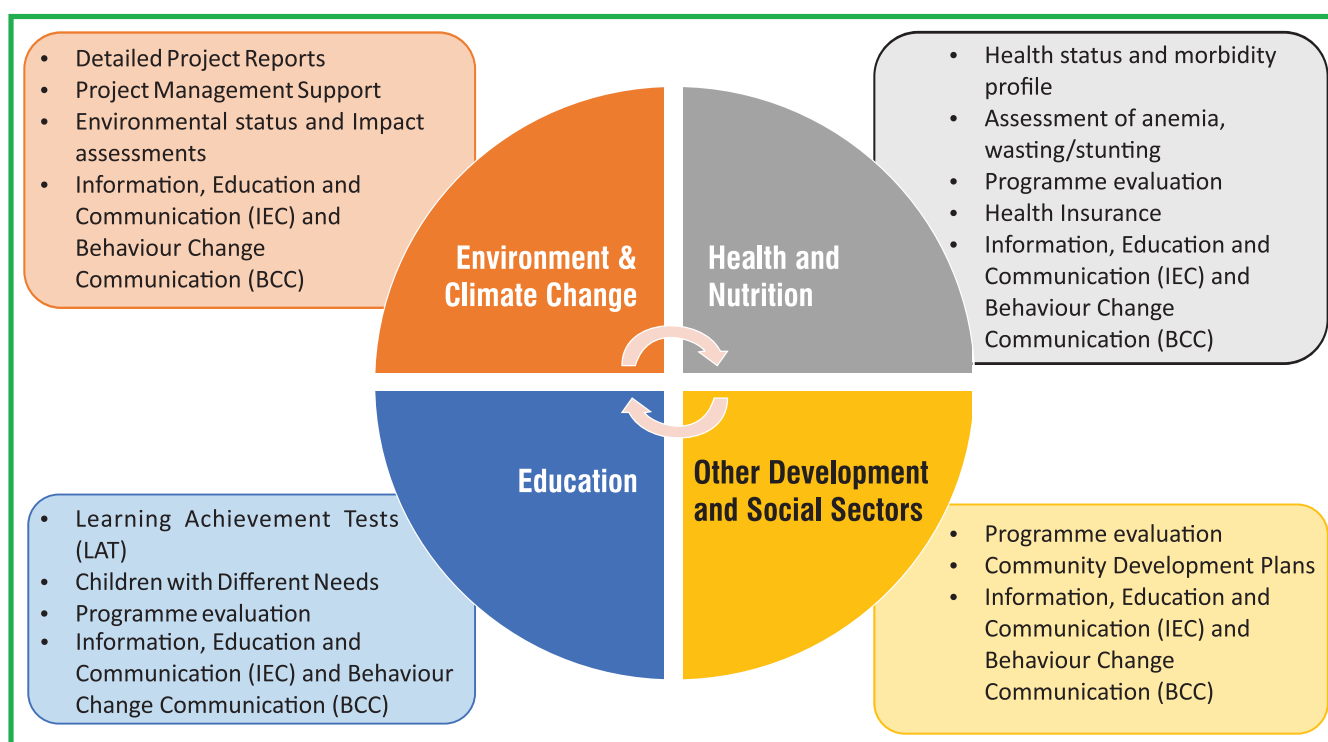
AKSHARA FOUNDATION, BENGALURU

Ganitha Kalika Andolana (GKA) is an intervention of Akshara Foundation to ignite curiosity and kindle love for learning of mathematics among the students of class IV and V in Government schools of Karnataka. STEM has carried out a Third Party Evaluation of GKA which involved a pre and post assessment of learning achievement of a sample of 766 schools and 24152 students in Ballari, Koppal and Raichuru districts.

Learning achievement was associated with the school indicators and the analysis was based on Item Response Theory (IRT).



MULTI-SECTORAL & MULTI-FUNCTIONAL COMPETENCE



On-going Projects

- GIS Master Plans for 6 AMRUT Cities in Karnataka (Mangalore, Davanagere, Chitradurga, Udupi, Chickamagaluru & Ranebennur)
- GIS Urban Development Plans for Ananthapur-Hindupur UDA Region in Andhra Pradesh
- GIS Master Plans for 3 AMRUT Cities in Uttar Pradesh (Sambhal, Amroha & Chandausi)
- National Level Monitors (NLMs) with MoRD and MoDWS; Govt. of India (covered Nine States)
- City Sanitation Plans (CSPs) for 61 Cities in Six Districts in Karnataka (Ballari, Raichur, Koppal, Tumkur, Hassan & Mandya)
- Project Management Consultants (PMC) for Urban WS & UGD Projects in 10 Cities in Karnataka (Ballari, Raichur, Hospet, Sindhanoor, Gulbarga, Bidar, Yadgir, Basavakalyan, Shahbad & Chamarajanagar)
- GIS Master Plan for Chamarajanagara UDA in Karnataka

STEM Reporter is for private circulation only. All correspondence may be addressed to

STEM, #11-12, 1st Floor, BDA Complex, Koramangala, Bengaluru – 560034.

Tel: 080-25522664, 25533615 / 664 | Fax: 080-25537664 | www.stemgroup.org

Email: vmhegde@stemgroup.org / drphrao@stemgroup.org / srikumar@stemgroup.org

stembangalore@gmail.com