

STAFF PROFILE

Name: H.R.PHALANETRA

Designation: Fellow

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Education qualification: B.E. (Civil) from UVCE, Bangalore.

Experience as on 2009: Joined KSCST on October 7th 1985 as Project Engineer; and worked in the project **ASTRA OLE** dissemination Programme under the convenorship of Prof.K.S.Jagadhish of Indian Institute of Science, Bangalore. In this Programme I was involved in the monitoring of the works done by our Junior engineers at the district level and I also conducted training programmes for the Rural Masons and trained them in constructing ASTRA OLE's, I was also involved in the Research and Development work of the ASTRA OLE by conducting water boiling (WBC) tests and Specific fuel consumptions (SFC) test's in the Laboratory at ASTRA as well as in the field. (In the house of beneficiaries in all the parts of Karnataka.)

Then I worked in the project **Development of Large wood stoves for Domestic Cooking** under the convenorship of Dr.S.S.Lokras of Indian Institute of Science, Bangalore from October 1990 to June 1993. In this programme we constructed stoves for Areca processing, Bath water heating and Stoves for Hotels and Hostels. The major beneficiaries of this project are the villager's from the districts of Chikmagalore, Shimoga, Mysore, Madikeri and Uttara Kannada of Karnataka State and here I trained the local artisans' in constructing the above types of stoves.

After this Project I worked in the project **Building Technologies Dissemination Programme** under the convenorship of Prof.K.S.Jagadhish of Indian Institute of Science, Bangalore, from July 1993 to May 1995. In this project I was involved in the Research and Development works on Stabilized Mud Blocks, Preparation and testing of FaLGy cement(Flyash, Lime and Gypsum based cement) at the Laboratory and I was also involved in giving training to Engineers, contractors and Masons in making Mud Blocks and Ferro Cement works in the field level.

At present I am working in the NRDMS (Natural Resources Data Management system) project at Hassan district centre as Fellow from May 1995.

In this centre we are collecting and computerizing both spatial and non-spatial data related to Hassan district.

As of now we are having following information:

Digitized maps of Hassan district on the following themes:

1. Natural resources like Drainages & Tanks, Forest, Soil, Landuse/Cover, Geology etc.,
2. Demographic maps of all the taluk's in the district showing villagewise population (Male, Female, Children below 6 years, Literates etc.)
3. Infrastructure facilities maps. (Roads map, Health facilities, Schools, Drinking water, etc.)
4. Daily rainfall in all the rain gauge stations is collected and Charts are prepared periodically on the status of rainfall in the district.
5. Observation wells data is also collected and charts are prepared showing ground water level in Hassan district.
6. Maps showing villages coming under Zilla Panchayath, Taluk Panchayath, Grama Panchayath and MLA constituencies are prepared and are used by the district administration at the time of conducting election to ZP's, TP's, GP's and MLA's and MP.

Here we are using the data from the concerned departments and the maps are procured from the Survey of India, Survey settlement and Land records, NBSSLUP, Forest Department, KSRSAC etc., and are scanned and digitized at NRDMS centre. After linking the data to the maps thematic maps are prepared and given to the concerned departments for usage.

Projects and Programmes carried out:

1. **ASTRA OLE dissemination programme.**
2. **Development of Large wood stoves for Domestic Cooking.**
3. **Building Technologies Dissemination Programme.**
4. **Natural Resources Data Management System.**

Currently associated programme: NRDMS Programme.

Courses Attended:

- Intensive course on **Geographic Information System(GIS)** conducted by the Computer Support and Services division in Collaboration with Centre for Technology Development at Advanced Information Technology Centre, National Aerospace laboratory(**NAL**) **Bangalore.**
- Short term Training Course on **“Remote Sensing Technology and its Application”** organized by Karnataka State Remote Sensing Technology Utilization Centre (**KSRSTUC**) **Bangalore.**
- Short term Course on **GRAM-GIS** software at Centre for studies in Resources Engineering (**CSRE**), **IIT, Bombay.**
- Course on Field Data Acquisition using **GPS/Total Station and its Interpretation** conducted at the Survey Training Institute of **Survey Of India, Hyderabad.**
- Course on **Rainwater harvesting** conducted by Central ground water board (CGWB).