

Dissemination workshop
**"ADOPT A LAKE - RENEWABLE WATER
SOURCE FOR SOCIETAL SUSTENANCE"**

24th March , 2017

Registration form

Name:

Address:

Age:

Sex: M/F

Phone:

Email:

Sign of the Applicant:



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Sponsored by

**National Council for Science and Technology
Communication (NCSTC)**

**Department of Science and Technology (DST),
Technology Bhavan,
New Delhi.**

Organised by

**Centre for Remote Sensing and
Geoinformatics**

(A Joint Initiative of ISRO and
Sathyabama University)



Sathyabama University
Jeppiaar Nagar, Chennai-600119

About Sathyabama University

Sathyabama University, formerly known as Sathyabama Engineering College was Established by **JEPPIAAR EDUCATIONAL TRUST** in 1987. It is a pioneer institute in imparting knowledge in the areas of Engineering, Science, Technology, Education and Management. Based on the institution's progress and contribution in the field of technical education over two decades made the Ministry of Human Resources Development, Govt. of India to grant Deemed University status on 16th July 2001 and University status on 13th September 2006 under Section 3 of the UGC Act, 1956. Sathyabama University strengthens its development activities under the dynamic leadership of Chancellor, Madam Chancellor with the able support and valuable guidance of the Directors, Vice Chancellor, Deans, Registrar, Controller of Examination, HODs Faculty Members and Scientists. The University has been accredited by National Assessment and Accreditation Council (NAAC) B++. Sathyabama University is declared as **category A** University by MHRD, Government of India and ISO 9001:2008 certification for professional quality management. The University has undertaken various sponsored and collaborative Research and Development projects funded by national organizations such as ISRO, DST, IGCAR, DRDO, DBT, MoEF, BRNS, BHAVINI, CWET, etc. The University in association with ISRO, holds great promise to expand the applications of space technology, to benefit and enrich the quality of common man's life. To accomplish the social responsibility, the University is successfully conducting non-formal education programmes through 18 Village Resource Centers (VRCs) all over Tamilnadu.

About NCSTC

The National Council for Science and Technology Communication (NCSTC) is mandated to communicate Science and Technology to masses, stimulate scientific and technological temper and coordinate and orchestrate such efforts throughout the country. The programmes of NCSTC aims at building capacity for informed decision making in

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 society. The NCSTC focuses on outreach activities, training in Science and Technology communication, development, production & dissemination of S & T software, incentive programmes, and field based Sci-Com projects, research in S&T communication, international co-operation, motivating students and teachers, environment awareness and programmes with a special component exclusively for women.

About the Centre:

The Centre for Remote Sensing and Geoinformatics has been established in the Sathyabama University campus in the year 2004, in accordance with the goal of establishing advanced centers in frontier areas of Science and Technology. The centre is a joint initiative of Indian Space research Organization (ISRO), Government of India & Sathyabama University. This Centre was inaugurated by Dr. Kasturirangan, the former ISRO Chairman and Secretary to Department of Space, Govt. of India in the year 2004.

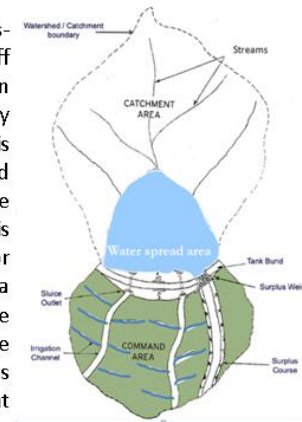
About the Course

The prime objective of the project is to make the youths (NSS volunteers undergoing Engineering degree course) exposed to LAKE SYSTEM consisting of lake watershed, lake inflows and outflows and lake ayacut. Key aspects being:

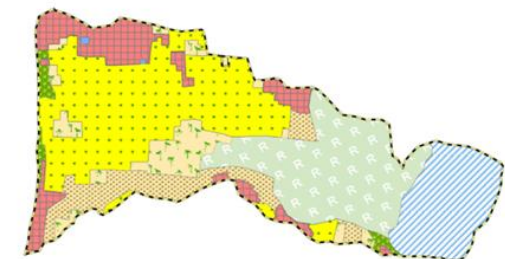
- Get to know the concepts
- Participate in field investigation
- Understand the process and
- Disseminate to themselves and to the community

A map of Ottiyambakkam lake with its identified catchment area and command area is prepared. Land use map of the catchment area was also prepared. Elevation – waterspread area – storage capacity relationship for the lake is developed utilizing the spot level survey conducted in the water spread area of the tank. Water level

in the tank is measured with a staff gauge painted on posts specially installed for this purpose. Detailed survey of the command area is carried out for assessing the area irrigated and the crop calendar. The groundwater status in the catchment



was assessed through site visits and local enquiry. Water budgeting was carried out for a selected year. NSS volunteers numbering 20 were involved in most of the above aspects to understand the lake system and its components. NSS volunteers in turn disseminated their understanding to the local community to create awareness on water conservation and utilization.



Legend

	Area in Sq Km
AGRICULTURE CROP LAND	1.791
AGRICULTURE PLANTATION	0.432
BUILT-UP LAND	0.608
FOREST	1.25
TANK / POND	0.005
LAND WITH SCRUB	0.087
LAND WITHOUT SCRUB	0.593
RESERVOIR	0.725