

3. RAINWATER HARVESTING CELL AT KSCST

Principal Investigator : Mr. A.R. Shivakumar
Supported by : DST, GOK
Established : November 2005

Background:

KSCST is actively participating in the socially relevant, environment friendly water conservation measures and has been providing cost effective solutions since its inception. RWH Cell at KSCST is established to study the needs of the people and provide sustainable and simple solutions through innovation and implementation pertinent to Rainwater Harvesting and Ground water recharge. Since November 2005 RWH Cell has provided technical support for planning rainwater harvesting systems in over 300 institutions (Public and private sector, Multinationals and Educational Institutions) in Karnataka and other states.

RWH cell established at KSCST is providing policy support to the Government departments for water conservation and rainwater harvesting programmes. The guidelines established by RWH Cell are instrumental in pursuing State Government to amend several acts and issue guidelines for mandatory installation of RWH structures in all the government buildings, public parks, roads and open spaces. BWSSB has collaborated with RWH Cell of KSCST and brought in the legislation to compulsorily install RWH system in certain category of properties in Bengaluru.

Progress for the Period: March 2017 to November 2017

The RWH Cell at the Council has been providing technical guidance to individuals, institutions and private sectors on Rain Water Harvesting technology. Technical consultancy has been provided to the following:

1. Sri Jayachamarajendra Institute of Indian Medicine, Bengaluru.
2. New campus, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru.
3. SLK Software Services Pvt. Ltd., Bengaluru.
4. Sri Jayadeva Institute of Cardiovascular Sciences & Research Hospital, Mysuru.
5. Rambhapuri Matha, Siddarabetta, Koratagere Taluk, Tumakuru.
6. Court Buildings & Judge Quarters, Kalaburagi.
7. Regional Institute of English, South India, Bengaluru.
8. Bharat Heavy Electricals Limited, Electronics Division, Bengaluru.
9. Karnataka Science and Technology Academy, Bengaluru.

RWH Outreach Activities:

1. Training Programmes on Rainwater Harvesting were organized by Karnataka State Council for Science & Technology on 24.05.2016, 12.06.2017, 27.07.2017 and 03.11.2017 for Plumbers, Engineers, Architects, Contractors & Integrated Rural Energy Programme Engineers at Sir M

Visvesvaraya Rainwater Harvesting Theme Park, Jayanagar 5th Block, Bengaluru. Eighty Four Participants were trained.

2. Training Program on Rainwater Harvesting was jointly organized by KSCST and UltraTech Cements Pvt. Ltd., Bengaluru on 14.03.2017 for Engineers and Contractors from Tumakuru and Doddaballapura at Sir M Visvesvaraya Rainwater Harvesting Theme Park, Jayanagar 5th Block, Bengaluru. Twenty participants participated in the Training Program.
3. Thirteen quiz and Debate programs for School and College on RWH and water conservation measures were organized by K.S.C.S.T. from 14.07.2017 to 11.10.2017 in and around Bengaluru. Around 2,900 students, 210 teachers from Schools and Colleges and 38 volunteers from Nisarga Mahila Samaja, Vijayanagar participated in the program.
4. Training Program on Rainwater Harvesting was organized by K.S.C.S.T. for Sikkim State Council for Science & Technology (S.S.C.S.T.) on 03.08.2017 for Engineers, Technical staff of S.S.C.S.T. and local people at Suldung - Kamling, Mangalbaray, West Sikkim. Twenty Five participants participated in the Training Program.

Sl. No	Event	Particulars	Location	Date
1.	Presentation on Rainwater and water conservation by PI-RWH Cell on the occasion of "Save Water Save - Bengaluru" Campaign	Jointly organized by BWSSB and The Bharat Scouts and Guides (Karnataka)	Shanthi Gruha, Palace Road, Bengaluru	20.03.2017
2.	Awareness Program and Rally "Save Water Save Bengaluru" Campaign was held on the occasion of "World Water Day" Hon. Chief Minister of Karnataka graced the occasion	Organized by BWSSB and Govt. of Karnataka	Vidhana Soudha, Bengaluru	22.03.2017
3.	Television Programme	"Rainwater Harvesting at Sourabha"	NDTV Channel	27.03.2017
4.	Lecture on Rainwater Harvesting and water conservation on the occasion of "World Water Day"	Organized by Zilla Panchayat, Udupi	Zilla Panchayat, Udupi	27.03.2017
5.	Radio Programme	On Rainwater and Water Conservation	Red FM Channel	28.03.2017
6.	Radio Programme	On Rainwater Harvesting	Fever 104 FM	02.04.2017
7.	Radio Programme	On Rainwater Harvesting	AIR FM	03.04.2017
8.	Radio Programme	On Rainwater Harvesting	Radio Mirchi FM Radio Channel	05.04.2017

9.	Talk on Rainwater Harvesting by PI-RWH Cell at national level student's symposium "Chemovation" with theme "Eco-Innovation"	Organized by Dept. of Chemical Engineering, Dayanand Sagar College of Engineering (DSCE)	DSCE Campus, Kumara Swamy Layout, Bengaluru	07.04.2017
10.	Lecture as lead speaker at a Forum: Trialogue 2047 on – "Economic Transition towards Sustainable Development for India"	Organized by Development Alternatives, New Delhi	Azim Premji University, Bengaluru	08.04.2017
11.	Talk on Rainwater Harvesting and Water Conservation	Organized by retired IAS officers Association, BTM Layout, Bengaluru	Metropolitan Club, IAS Officers Colony, BTM Layout, Bengaluru	09.04.2017
12.	Radio Programme	On Rainwater and Water Conservation	Radio Mirchi FM Radio Channel	10.04.2017
13.	Radio Programme	Live programme on Rainwater and Water Conservation	Radio Indigo FM Radio Channel	19.04.2017
14.	Lecture in a Two day State level Conference on Water Conservation	Organized by Department of Civil Engineering, Manipal Institute of Technology (MIT)	MIT, Manipal	30.04.2017 to 01.05.2017
15.	Speaker at Right to Water Summit	Organized by Nav Bharat Democratic Party	Bharatiya Vidya Bhavan, Bengaluru	06.05.2017
16.	Talk on Rainwater Harvesting and Water Conservation to Students, staff and local community of Kodaikanal International School	Organized by Kodaikanal International School	KIS, Kodaikanal	08.05.2017 – 09.05.2017
17.	Talk on Rainwater Harvesting and Water Conservation	Organized by Rambhapuri Matha, Siddarabetta	Rambhapuri Matha, Siddarabetta, Koratagere Taluk	10.05.2017
18.	World Environment day celebrations	Lecture on Rainwater Harvesting Around 200 students, Faculty and staff of college participated in programme	Acharya Institute of Technology, Bengaluru	02.06.2017
19.	Talk on "Save Water Save Bengaluru"	Green Talk Guest Speaker by PI-RWH Cell organized by Alternativ17	New Horizon College of Engineering, Marathahalli, Bengaluru	02.06.2017
20.	World Environment Day and inauguration of RVTC Eco Club	PI RWH Cell participated as Chief Guest to RV Teachers College on the occasion of World Environment Day	RV Teachers College, Jayanagar	05.06.2017
21.	MYGREEN 2017 Exhibition at Mysore	PI RWH Cell participated as Chief Guest at MYGREEN 2017 Exhibition	Jayamma Govindgowda Convention Hall, Kuvempunagar, Mysuru	24.06.2017

22.	Lecture on “Go Green Concepts” at “The First International Conference on Ideation and Innovations in Sustainable Sciences and Technologies, (IISST 17)	Organized by University Malaysia, Kuala Lumpur	FCSIT, University Malaysia, Kuala Lumpur (KL), Malaysia	01.07.2017 to 02.07.2017
23.	Adjunct lecture on IT in Rainwater Harvesting planning – Software Development	Organized by University Teknologi Petronas	University Teknologi Petronas, Malaysia	03.07.2017
24.	Radio Programme programme “Monsoon special”	Importance of water	Big FM Radio Channel	11.07.2017
25.	Talk on “Water and Environmental” at International Conference on Renewable Energy and Sustainable Environment	Organized by Dr. Mahalingam College of Technology and Engineering	Dr. MCT E, Pollachi, Tamilnadu	21.07.2017
26.	Lecture on ‘Recent Advances in Rainwater Harvesting’ in a Six day faculty development program on “Application of Green Technologies to Overcome Environmental Challenges for Sustainable Urban Development”	Organized by Dept. of Civil Engineering, Ramaiah Institute of Technology at Ramaiah Institute of Technology	Ramaiah Institute of Technology, Bengaluru	26.09.2017
27.	Lecture on ‘Rainwater Harvesting Techniques for Domestic Applications’ in a workshop on “Energy Efficient Buildings”	Organized by Center for Sustainable Technologies (CST), IISc	CST Seminar Hall, CST, IISc, Bengaluru	28.07.2017
28.	Lecture on “Rainwater Harvesting” in a One Day Training Programme for IFS Officer’s	Organized by MGRURED, Jakkur	Sir M Visvesvaraiiah RWH Theme Park, Jayanagar, Bengaluru	10.08.2017
29.	Television Programme “Maja Talkies”	Importance of water	Colors Kannada TV Channel	15.08.2017
30.	Lecture on “Water Conservation” on the occasion of Army Wives Welfare Association for families of JCO’s and other ranks of Indian Army	Organized by Pioneer Corps Training Centre, Indian Army	Indian Army Campus, Koramangala, Bengaluru	21.08.2017
31.	Television Programme	Live Interaction programme on Rainwater and Water Conservation	ETV NEWS Kannada	29.08.2017
32.	Lecture on “Rainwater Harvesting” in a One Day Training Programme for IFS Officer’s	Organized by MGRURED, Jakkur	Sir M Visvesvaraiiah RWH Theme Park, Jayanagar, Bengaluru	07.09.2017
33.	Orientation Programme on Rainwater Harvesting on the occasion of Founders Day Celebration	Organized by The Bangalore City Institute, Makkala Koota, Bengaluru	The Bangalore City Institute, Basavanagudi	09.09.2017
34.	Lecture in a One day Workshop on Water Management	Organized by Department of Civil Engineering, Kalpataru Institute of Technology, Tiptur	Kalpataru Institute of Technology, Tiptur	11.09.2017

35.	Television Programme	Live Interaction programme "Hello Geleyare"	DD Chandana	12.09.2017
36.	Awareness Programme on Rainwater Harvesting	Organized by Divecha Centre for Climate Change, IISc, Bengaluru	J. N Tata Auditorium, IISc, Bengaluru	14.09.2017
37.	Rainwater Harvesting pilot project to introduce Rainwater Harvesting in the region and build skills among the local youth	By KSCST, Govt. of Uttarakhand, Swiss Agency for Development and Cooperation with UNDP	Pheri Kimora Gram Panchayat, Uttarakhand	20.09.2017
38.	Lecture on "Rainwater Harvesting Projects in Karnataka" by PI RWH Cell	Organized by Indian Space Research Organisation, Bengaluru	ISRO, HAL 2 nd Stage, Bengaluru	23.10.2017
39.	Talk on "Domestic Waste Water Management" by PI- RWH Cell	Organized by International Lingayath Youth Forum Charitable Trust, Bengaluru	Naveen Regency, Tumakuru	29.10.2017

5. Blog "RainManSpeaks from Bengaluru" is in the web since April 1st 2014 and has published 81 posts. The reach as of November 2017 is over 84,500 and in over 20 countries. India 31,200, US 41,400 Russia 3,800, France 1,130 and Germany 620 views. Blog is reposted on Facebook, Tweeter, and Google+ etc.

Several lectures and presentations are being delivered to promote rainwater harvesting by the Council across the state, in addition to news paper articles and television programs.