



MGR ASSOCIATION FOR GREAT INNOVATIVE CREATORS

Department of Civil Engineering

Event Title	Technology Talk on Importance of Rain Water Harvesting In Various Parts of India		
Objective of Event	To expose the students to latest practices in the Field of Rainwater Harvesting through Technology talk.		
Chief Guest /Speaker Details	Dr.R.Raghuraman, Chief Executive, KRG Rainwater Foundation, Chennai		
Date	11/09/2023	Time	10.00 AM to 12.00PM
Venue	Civil Smart Room	No. of Participants	60

REPORT

TITLE

Rainwater Harvesting

CONTENT

Technology talk on Rainwater Harvesting was organized by the Department of Civil Engineering in the Smart Room on 11.09.23 at 11.00AM for students of Civil Engineering. Dr.T.Kavitha, HoD, gave the welcome address to the resource person, Dr. R.Raghuraman, Chief Executive, KRG Rainwater Foundation, Chennai. Dr.RA.B.Depaa, Assoc.Professor introduced the speaker to the audience.

Dr.R.Raghuraman explained the practices of Rainwater harvesting implemented in various parts of India including, Saint Gobain, Chennai, Tata Steel, Jamshedpur, Noamundi Jharkand and also in Gujarat.

Rainwater harvesting is a simple strategy by which rainfall is gathered and stored for future usage. The process involves collection and storage of rainwater with help of artificially designed systems, that runs off natural or man-made catchment areas e.g. rooftop, compounds, rocky surface, hill slopes or artificially repaired impervious/semi-pervious land surface. The collected rainwater from surfaces on which rain falls may be filtered, stored and utilized in different ways or directly used for recharge purposes. Rainwater Harvesting is unrestricted from any kind of impurity, with relatively less storage cost and no maintenance cost involved except for periodical cleaning.

With depleting groundwater levels and fluctuating climate conditions, this measure can go a long way to help mitigate the adverse effects rising water scarcity. Reserving rainwater can help recharge local aquifers, reduce urban flooding and most notably,



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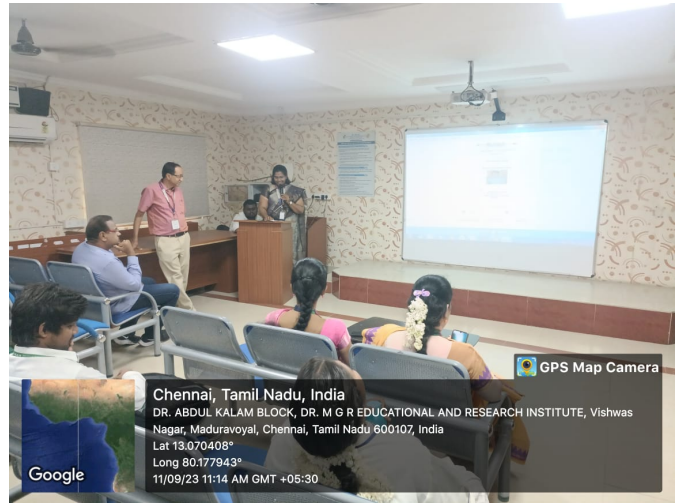


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ensure water availability in water-scarce zones. Broadly there are two ways of harvesting rainwater, namely; surface runoff harvesting and rooftop rainwater harvesting. Rainwater harvesting is the collection and storage of rain for reuse on-site, rather than allowing it to run off. The stored water is used for various purposes, such as gardening, irrigation, etc.

He also explained about Electrical Resistivity survey for investigation of subsurface.

Mr.D.Ramakrishna, Assistant Professor, and event co-ordinator proposed a formal vote of thanks.



EVENT OUTCOME

Students gained awareness on the benefits of rainwater harvesting which includes increase of ground water table, reduces erosion and flooding around buildings and also helps in drought mitigation.

PHOTOS



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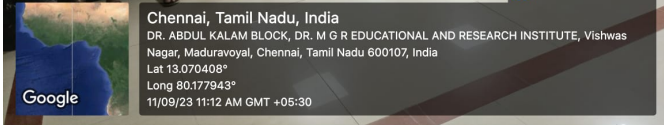
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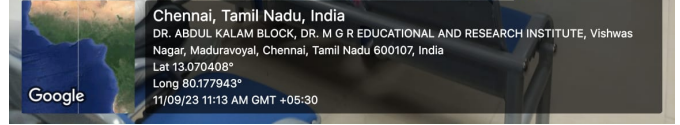
GPS Map Camera



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Mr. D.Ramakrishnan